SITE INSPECTION REPORT
CONEY ISLAND CREEK
BROOKLYN, NEW YORK

EPA ID No.: NYN000203538

EPA Contract No.: 68HE0319D0004
Document Control No.: SAT-V.6200.0057

December 2021

Prepared for:

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Prepared by:

Weston Solutions, Inc.
Edison, New Jersey 08837



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SUBMITTED BY:

Kelly Gaffney

Date 12/03/2021

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Associate Scientist

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Date 12/03/2021

Gerald V. Gilliland, P.G.
Site Assessment Team (SAT) Leader

SITE SUMMARY

The Coney Island Creek site ("the CIC site") (U.S. Environmental Protection Agency [EPA] ID No. NYN000203538) is considered an area of sediment contamination with multiple possible sources of upland contamination, located in the Coney Island and Gravesend areas of Brooklyn, NY [Ref. 1, pp. 1, 3; 21, pp. 2, 6, 7]. EPA discovery of the CIC site occurred through petition for a Preliminary Assessment (PA) in March 2020 [Ref. 2, pp. 1, 2]. The petition cited potential contaminants in the waterway from historical industrial land use, impacts of storm surges, the suspension of a U.S. Army Corps of Engineers (USACE) harbor-wide coastal storm risk management feasibility study, and proposed dredging for ferry services [Ref. 2, p. 2; 18, p. 39]. The creek extends approximately 1.8 miles from a culvert at Shell Road on the eastern end to Gravesend Bay on the western end [Ref. 4, p. 2]. The width of the creek varies from 60 to 250 feet, although it opens to 700 feet at the western end at Gravesend Bay [Ref. 12, p. 1]. The depth of the creek at mean low water varies from 1 foot in the narrow eastern end to 15 feet in the wider central portion [Ref. 13, pp. 2, 5]. The entirety of the creek is located within the New York-New Jersey (NY-NJ) Harbor Estuary [Ref. 17, pp. 2, 4]. **Figure 1** presents a Site Location Map.

Coney Island Creek is a tidal inlet that separates the western end of Coney Island peninsula from the Brooklyn mainland [Ref. 4, pp. 2; 22, pp. 6–14]. Over time, development of the surrounding land has caused the creek to undergo alterations from its natural state. The creek was once a small waterway that ran from Gravesend Bay to what is now Cropsey Avenue [Ref. 5, p. 1; 22, p. 14]. The creek was later extended eastward, completely separating Coney Island from Brooklyn's mainland, from Gravesend Bay in the west to Sheepshead Bay in the east [Ref. 22, p. 13]. In the 1920s and 1930s, development projects and the creation of highways filled in the eastern half of the creek with unspecified landfill material [Ref. 3, pp. 14, 15; 4, p. 2]. In 1962, additional portions of the inlet from Sheepshead Bay were filled with soil that had been excavated during construction of the Verrazzano-Narrows Bridge, returning Coney Island to a peninsula [Ref. 12, p. 1].

Coney Island Creek's banks are lined with various debris from shipwrecks, old barges, piling, construction material, and abandoned cars and boats [Ref. 19, p. 1; 20, p. 11]. Based on review of available aerial photographs and Sanborn maps, industrial activities have taken place in the area surrounding the creek since the early 1900s, including manufactured gas plant, coal yards, shipyards, an asphalt plant, an oil company, brick and cement yards, lumber yards, a sewage disposal plant, manufacturing facilities for furnishings (steel cabinets, wood products, and fluorescent light fixtures) and food products (baked goods, ice cream, and ice), vehicle repair and storage facilities, electroplating facilities, scrap yards, and auto salvage yards [Ref. 3, pp. 3–15; 6, pp. 3–32]. The rise in urbanization and impermeable surfaces has increased stormwater runoff to the creek and significantly reduced or eliminated tidal marshes or other buffer zones capable of absorbing the extra load [Ref. 19, pp. 1, 2]. According to the New York City Department of Environmental Protection (NYCDEP), Coney Island Creek receives approximately 290 million gallons of discharge per year through permitted combined sewer overflow (CSO) outfalls and 1,487 million gallons of stormwater runoff per year [Ref. 12, p. 9; 19, p. 2].

New York State Department of Environmental Conservation (NYSDEC) has previously addressed contamination in the eastern portion of Coney Island Creek, which was associated with investigation and remediation at the Former Brooklyn Borough Gas Works Manufactured Gas Plant (MGP) site located adjacent to the creek [Ref. 10, p. 18]. Surface water and sediment samples were collected from the eastern portion of Coney Island Creek as part of the NYSDEC remedial



LEGEND:

Site Reference Location — Lat: 40.578970, Long: -73.988472

Coney Island Creek

TITLE:

SITE LOCATION MAP
CONEY ISLAND CREEK
BROOKLYN, KINGS COUNTY, NY

PROJECT: 00490200-00

CLIENT NAME: EPA

WESTON SOLUTIONS

DATE: December 2021

FIGURE #: 1

Path: P:\SAT2\ConeyIslandCreek\MXD\25379_ConeyIslCreek0802_Site_Location.mxd

investigation (RI) at the former MGP site [Ref. 10, p. 9]. The analytical results indicated that creek sediments were contaminated with polycyclic aromatic hydrocarbons (PAHs) and BTEX compounds (i.e., benzene, toluene, ethylbenzene, and xylene) that were attributable to the former MGP; inorganic constituents, such as arsenic and lead, were detected in sediment collected near the CSO and stormwater outfalls [Ref. 10, p. 5]. A non-aqueous phase liquid (NAPL) in the form of a dense oily liquid was observed to be seeping into the creek from the former MGP site's surface near the former gas holders and the oil was observed to be saturating creek sediment [Ref. 11, p. 9]. The NAPL was a significant source of PAHs and BTEX compounds to creek sediments [Ref. 11, pp. 9, 10].

After remediation of the upland portions of the former MGP site, NYSDEC implemented remedial measures in the eastern portion of Coney Island Creek beginning in March 2007 [Ref. 10, p. 13]. The creek segment targeted for remediation was delineated based on the extent of NAPL and coal tar observed in creek sediments, and on the rationale that PAHs beyond the Metropolitan Transit Authority (MTA) bridge could be attributed to other sources along the creek [Ref. 10, p. 50]. The remediation included excavation of coal-tar-contaminated materials from the entire width of the creek, extending from the culverts at Shell Road (i.e., the eastern end of the creek) to the MTA bridge 0.4 mile downstream; the removal of the top 3 feet of contaminated sediment; and replacement of the excavated materials with clean gravel, sand, and organic material on top of a geotextile fabric that acts as a demarcation layer [Ref. 10, pp. 11, 50]. As part of the NYSDEC remediation, a total of 97,541 tons of contaminated sediment were removed from the creek for off-site disposal [Ref. 10, p. 13]. As MGP contaminants were detected at the maximum sampling depth of 10 feet below the sediment surface, contaminated sediment is known to remain in place below the 3-foot cap [Ref. 10, pp. 14, 25].

Previous environmental sampling of Coney Island Creek sediments was also conducted in association with the Newtown Creek Superfund Site (EPA ID No. NYN000206282) Remedial Investigation/Feasibility Study (RI/FS), in October 2012. Sediment samples were collected from eight locations within Coney Island Creek from 0 to 15 centimeters (5.9 inches) below the sediment surface (bss) [Ref. 7, p. 1]. The sample results showed the presence of PAHs and metals in the creek's sediments at all sample locations; volatile organic compounds (VOCs) and pesticides were also detected [Ref. 7, p. 1].

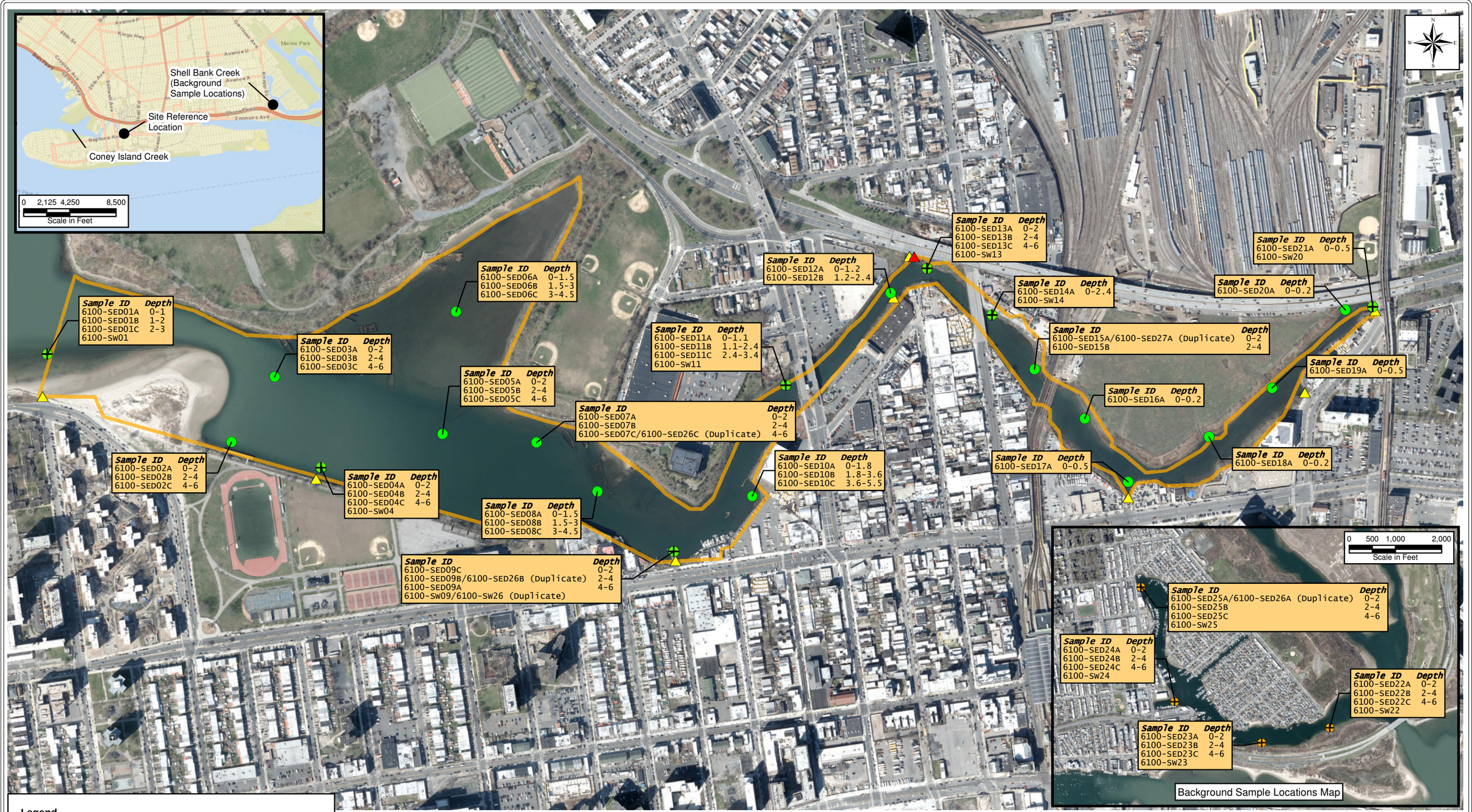
On September 3, 2020, Weston Solutions, Inc. (WESTON®) Region 2 Site Assessment Team (SAT) performed a reconnaissance of Coney Island Creek. The western portion of the creek is surrounded by multiple parks and residential areas. The reconnaissance confirmed that fishing for human consumption occurs in the western portion of the creek at the Kaiser Park fishing pier; fishing is also known to occur in other parts of the creek [Ref. 20, pp. 11–16; 57, pp. 1, 2]. On March 9, 2021, Region 2 SAT performed reconnaissance activities of the waterway to examine potential sample locations and access points. Land use surrounding the creek in the eastern portion is mostly commercial and industrial. Trash and debris were present throughout the creek and on its banks. Four outfalls were observed flowing in this area with fish and ducks seen in the water [Ref. 8, pp. 3, 4].

Despite the known impaired nature of Coney Island Creek, it is utilized for various recreational activities, including boating and birding [Ref. 14, pp. 1, 2; 16, pp. 2–4]. Four city parks are located

adjacent to the western portion of the creek near the mouth of Gravesend Bay, with approximately 2 miles of shoreline [Ref. 12, p. 17; 55, Figure 1]. Although not an official sanctioned use of the creek, primary contact in the form of swimming and baptisms have been reported along the southwestern shoreline of the creek near Gravesend Bay [Ref. 14, pp. 1, 2; 16, p. 6]. The presence of chemical and biological contamination in the creek is well-known, yet the creek remains fished for human consumption including mullet, porgy, striped bass, fluke, and bluefish [Ref. 15, p. 1; 16. pp. 2, 4, 8; 20, pp. 11, 16]. There is one permanent residence situated directly on the creek shoreline, as well as multiple encampments populated by homeless people [Ref. 16, pp. 4, 13; 20, pp. 12, 13]. Coney Island Creek is situated within the core area of the NY-NJ Harbor Estuary [Ref. 17, pp. 2–4, 93]. Sensitive environments subject to potential contamination along the 15-mile surface water pathway include habitat known to be used by Federally-designated (7) and State-designated (13) endangered or threatened species, approximately 40 miles of Hazard Ranking System (HRS)-eligible wetland frontage, and the Gateway National Recreation Area [Ref. 17, pp. 2–4; 55, Figure 5].

In April 2021, WESTON Region 2 SAT personnel collected surface water and sediment samples as part of the Site Inspection (SI) evaluation of the CIC site [Ref. 8, pp. 8–24; 9, p. 4]. WESTON collected a total of 50 sediment samples (including three environmental duplicates) from 21 locations, and 8 surface water samples (including one environmental duplicate) from 7 locations, in Coney Island Creek [Ref. 9, pp. 4, 5, 7–14; 55, Figure 3a]. NAPL was not encountered at any of the sample locations [Ref. 8, pp. 8–24]. WESTON collected samples for background comparison from Shell Bank Creek [Ref. 8, pp. 16–18; Ref. 55, Figure 3b]. The location is considered to represent background conditions in the general area of the site because it is believed to be unaffected by site-specific activities [Ref. 9, p. 4]. WESTON collected four surface water and 13 sediment samples (including one environmental duplicate) from Shell Bank Creek [Ref. 9, pp. 4, 7, 14–16]. The Sample Location Map is presented as **Figure 2**.

SI analytical results document the presence of a contaminated sediment source at the site, thus an observed release in the Surface Water Migration Pathway and actual contamination of the Coney Island Creek fishery and a portion of the NY-NJ Harbor Estuary. The contaminated sediment source is characterized primarily by the presence of PAHs (maximum concentrations), including phenanthrene (2,600 µg/kg), anthracene (700 µg/kg), fluoranthene (4,500 µg/kg), pyrene (3,700 µg/kg), benzo(a)anthracene (2,100 µg/kg), chrysene (2,100 µg/kg), benzo(b)fluoranthene (2,900 µg/kg), benzo(k)fluoranthene (820 µg/kg), benzo(a)pyrene (2,300 µg/kg), indeno(1,2,3-cd)pyrene (1,200 µg/kg), and benzo(g,h,i)perylene (1,300 µg/kg); and inorganic substances, including barium (610 J mg/kg), cadmium (15 J mg/kg), lead (1,600 J mg/kg), silver (11 J mg/kg), zinc (1,900 J mg/kg), and cyanide (5.5 J mg/kg). Other sediment contaminants include the VOC 1,2,4-trimethylbenzene (190 µg/kg); the SVOC bis(2-ethylhexyl)phthalate (2,500 µg/kg); and the pesticides 4,4′-DDE (23 J µg/kg), 4,4′-DDD (46 µg/kg), 4,4′-DDT (290 µg/kg), cis-chlordane (9.6 µg/kg), and trans-chlordane (14 µg/kg) [Ref. 32, pp. 22, 23, 80, 81, 89, 97, 111, 116, 128, 134, 140, 146, 152; 33, p. 55]. The 2021 SI sampling analytical results, including comparison to background conditions, are discussed in detail in **Part III**.



Legend

- Background Sediment and Surface Water Sample Location
- Sediment and Surface Water Sample Location
- Sediment Sample Location
- CSO Outfall (Combined Sewage Overflow Outfall)
- MS4 Outfalls (Municipal Separate Storm Sewer System)
- Coney Island Creek

Sources:
1. Weston Solutions, Inc. (WESTON®) Site Assessment Team (SAT V). Site Logbook No. DCN # SAT-V.6100.0001, Coney Island Creek Site Inspection. March 9, 2021 – June 7, 2021. [22 pages]
2. ESRI World Imagery, 2021.

Notes:
1. ***The source of this map image is Esri, used by EPA with Esri's permission.***
2. Depth in feet below sediment surface (ft bss).

SCALE: 0 250 500 1,000 Scale in Feet

PROJECT: 00490200-00

CLIENT NAME: EPA

TITLE: SAMPLE LOCATION MAP
CONEY ISLAND CREEK
BROOKLYN, KINGS COUNTY, NY

WESTON SOLUTIONS SM

DATE: December 2021

FIGURE #: 2

File Path: P:\SAT2\ConeyIslandCreekMXD\26861_ConeyIslCreek6100_Sampling_Locs_SI.mxd

The October 2012 sediment sample analytical results associated with the Newtown Creek Superfund site reference sampling discussed above showed PAH concentrations an order of magnitude higher than what was detected in sediment samples collected by SAT V in April 2021. The following PAHs and their maximum concentrations from both years is a comparison of the results [Ref. 7, pp. 10, 19, 26; 55, Figure 3a].

PAH Concentrations		
PAH	2012	2021
Benzo(a)pyrene	19,400 µg/kg	2,300 µg/kg
Benzo(a)anthracene	23,000 µg/kg	2,100 µg/kg
Benzo(b)fluoranthene	18,400 µg/kg	2,900 µg/kg
Fluoranthene	57,800 µg/kg	4,500 µg/kg
Phenanthrene	47,300 µg/kg	2,600 µg/kg

SITE INSEPCTION REPORT

PART I: SITE INFORMATION

1. Site Name/Alias Coney Island Creek

   City Brooklyn State New York Zip 11224

2. County Kings County Code 047 Cong. Dist. 8th

3. EPA ID No. NYN000203538

4. Block No. N/A Lot No. N/A

5. Latitude* +40.578970º Longitude* -73.988472º

   * The latitude and longitude values are an update for the EPA database. These coordinates correspond to sample location 6100-SED09C, within the CIC site area of observed sediment contamination (see **Table 1**). The coordinates were recorded using GPS technology on April 23, 2021. The coordinate system is WGS 1984 [Ref. 9, pp. 5, 10, 11, 18].

   USGS Quad(s) Coney Island

6. Approximate size of site 84.863 acres

7. Owner City of New York

8. Operator City of New York

   Site Contact Donette Samuel, EPA Community Involvement Coordinator

   Telephone No. (212) 637-3570

   Email Address samuel.donette@epa.gov

9. Type of Ownership

   ___ Private ___ Federal ___ State

   ___ County _X_ Municipal ___ Unknown ___ Other_____

10. Owner/Operator Notification on File

___ RCRA 3010 Date_____ ___ CERCLA 103c Date_____

_X_ None ___ Unknown

11. Permit Information

Not applicable

12. Site Status

_X_ Active ___ Inactive ___ Unknown

13. Years of Operation: _____N/A_____

14. Identify the types of waste sources (e.g., landfill, surface impoundment, piles, stained soil, above- or below-ground tanks or containers, land treatment, etc.) on site. Initiate as many waste unit numbers as needed to identify all waste sources on site.

a) Waste Sources

Waste Unit No.	Waste Source Type	Facility Name for Unit
1	Contaminated Sediment	N/A

b) Other Areas of Concern

The contaminants detected in the creek sediments can come from a wide variety of upland industrial and other anthropogenic activities. In addition, ship and submarine wreckage, wooden barge remains, car parts, trash, and debris are found on the shoreline and in the creek.

Ref. 1, pp. 1, 3; 4, p. 2; 16, pp. 2, 3; 23, p. 1; 24, p. 2; 26, p. 1; 55, Figure 3a.

15. Describe the regulatory history of the site, including the scope and objectives of any previous response actions, investigations and litigation by State, Local and Federal agencies (indicate type, affiliation, date of investigations).

- **Former Brooklyn Borough Gas Works MGP site RI, March 2002 –** As part of a RI, NYSDEC addressed contamination at the Former Brooklyn Borough Gas MGP site (State ID No. 2-24-026) and the adjacent segment of Coney Island Creek [Ref. 10, p. 18]. Analytical results for sediment samples collected as part of the RI indicated that the creek sediments were contaminated with PAHs and BTEX compounds attributable to the former MGP [Ref. 11, pp. 9, 19]. NAPL was observed seeping into the creek and was determined to be a significant source of PAHs and BTEX compounds to the creek sediments [Ref. 11, pp. 9, 10]. Remedial measures were implemented in the eastern portion of the creek following remediation of the upland portions of the former MGP site. The creek segment targeted for remediation was delineated based on the extent of NAPL and coal tar observed in creek sediments, and on the rationale that PAHs beyond the MTA bridge could be attributed to other sources along the creek [Ref. 10, p. 50]. Beginning in March 2007, 97,541 tons of contaminated sediment were removed from the creek for off-site disposal [Ref. 10, p. 13]. The remediation included excavation of coal-tar-contaminated materials from the entire width of the creek, extending from the culverts at Shell Road (i.e., the eastern end of the creek) to the MTA bridge 0.4 mile downstream; the removal of the top 3 feet of contaminated sediment; and replacement of the excavated materials with clean gravel, sand, and organic material on top of a geotextile fabric that acts as a demarcation layer [Ref. 10, pp. 11, 50].

- **Newtown Creek RI/FS, October 2012 –** Eight (8) sediment samples from Coney Island Creek collected to provide reference data for the Newtown Creek Superfund Site (EPD ID No. NYN000206282) RI/FS [Ref. 7, p. 1]. One (1) sample was collected from the eastern portion of the creek adjacent to the former Brooklyn Borough Gad Works MGP site, while the remaining seven (7) samples were collected from the central portion of the creek, extending from east of Cropsey Ave to near the Six Diamonds recreation area [Ref. 7, p. 3]. Sample results showed the presence of PAHs and metals at all sample locations. VOCs and pesticides were also detected [Ref. 7, p. 4–29].

- **Petition for Preliminary Assessment (PA), March 2020 –** Community petition for a PA of Coney Island Creek. The petition cited contaminants in the waterway from surrounding historical industrial land use, previous and future impacts to the surrounding community from storm surges, the suspension of a USACE harbor wide coastal storm risk management feasibility study, and proposed dredging for ferry service into the creek. The community requested assessment of the creek under Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) [Ref. 1, p. 1; 2, pp. 1, 2].

- **Pre-CERCLA Screening (PCS), May 2020** – Prepared by Region 2 SAT. Based on the available analytical data for surface water and sediment samples, releases of CERCLA hazardous substances from multiple possible sources are suspected. Available

information indicated that primary contact is in the form of swimming and baptism and that Coney Island Creek is fished for human consumption [Ref. 23, p. 4].

- **Off-site Reconnaissance, September 3, 2020 –** Conducted by Region 2 SAT to observe current site conditions. Although people fish in other parts of the creek, Region 2 SAT confirmed recreational use of the areas surrounding the creek and that fishing for human consumption occurs in the western portion of the creek at the Kaiser Park fishing pier [Ref. 20, pp. 11-16].

- **Abbreviated Preliminary Assessment (APA), September 2020 –** Prepared by Region 2 SAT. The APA gathered previous analytical data for the CIC site showing the presence of PAHs, VOCs, and inorganic constituents in creek surface water and sediments, and document the presence of potentially impacted receptors [Ref. 20, pp. 3, 4].

- **On-site Reconnaissance, March 9, 2021 –** Conducted by Region 2 SAT to observe the waterway and to determine potential sample locations and access points. Land use surrounding the creek in the eastern portion was observed to be mostly commercial and industrial. Personnel observed trash and debris throughout the creek and banks. Several outfalls were observed, and it was noted that access to potential sampling areas would require a boat [Ref. 8, pp. 3, 4].

- **On-site Reconnaissance, April 6, 2021 –** Conducted by Region 2 SAT via boat with the sediment coring subcontractor to confirm proposed sample locations in Coney Island Creek and proposed background sample locations in Shell Bank Creek [Ref. 8, pp. 5, 6].

- **SI Sampling, April 2021** – Conducted by WESTON to characterize site sediments and surface water, and potential releases to Coney Island Creek. WESTON collected 8 surface water and 50 sediment samples from Coney Island Creek. In addition, 4 surface water samples and 13 sediment samples were collected from Shell Bank Creek for evaluation of background conditions. Samples were analyzed for routine Target Analyte List (TAL) including mercury (Hg) and cyanide (CN) parameters by EPA Contract Laboratory Program (CLP) laboratories, for total organic carbon (TOC) by a WESTON-subcontracted laboratory, and for grain size (GS) by the EPA Region 2 Lab Services and Applied Sciences Divisions (LSASD) laboratory [Ref. 8, pp. 7–25, 29-33; 9, pp. 4–6]. Sample analytical results are discussed in **Part III**.

a) Is the site or any waste source subject to Petroleum Exclusion? Identify petroleum products and by products that justify this decision.

The site is comprised of an area of sediment contamination in Coney Island Creek with multiple unidentified upland sources. The Petroleum Exclusion would not apply to the site.

Ref. 8, pp. 3–6, 29–33; 54, pp. 3, 4; 55, Figure 3a.

b) Has normal farming application of pesticides registered under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) occurred at the site? Have pesticides been produced or stored at the site? Have there been any leaks or spills of pesticides on site?

The site is comprised of an area of sediment contamination in Coney Island Creek with multiple unidentified sources; regular application or storage of pesticides is not suspected at the site. The surrounding area has been utilized for industrial purposes since at least 1906, including a lumber yard, laundry, autobody repair shops, electroplating facilities, transportation companies, coal yards, a sewage disposal plant, the New York City (NYC) transit system, and a scrap yard. Regular application and storage of pesticides are not suspected in the highly urbanized area surrounding Coney Island Creek.

Pesticides (maximum concentrations) detected in the contaminated sediment source in Coney Island Creek during the April 2021 sampling consisted of 4,4′-DDD (46 µg/kg), 4,4′DDE (23 µg/kg), 4,4′-DDT (290 µg/kg), cis-chlordane (9.1 J µg/kg), and trans-chlordane (14 µg/kg).

Ref. 3, pp. 3–15; 6, pp. 3–36; 55, Figure 3a.

c) Is the site or any waste source subject to Resource Conservation and Recovery Act (RCRA) Subtitle C (briefly explain)?

The site is comprised of an area of sediment contamination in Coney Island Creek with multiple unidentified upland sources. There is no active facility or waste generation associated with the CIC site; therefore, neither the site nor any waste source is subject to RCRA Subtitle C.

Ref. 55, Figure 3a.

d) Is the site or any waste source maintained under the authority of the Nuclear Regulatory Commission (NRC)?

Neither the site nor any waste source is maintained under the authority of the NRC. The site is comprised of an area of sediment contamination in Coney Island Creek with multiple unidentified upland sources. There is no facility or waste generation within the Coney Island Creek watershed known to be under the authority of the NRC. Surrounding properties have been utilized for industrial purposes since at least 1906, including a lumber yard, laundry, autobody repair shops, electroplating facilities, transportation companies, coal yards, a sewage disposal plant, the NYC transit system, and a scrap yard. Prior to that time the area was mostly undeveloped. There is no known handling of radiological materials in the area surrounding Coney Island Creek.

Ref. 3, pp. 3–15; 6, pp. 3–36; 8, pp. 3–6; 55, Figure 3a.

16. Do any conditions exist on site which would warrant immediate or emergency action?

No conditions were noted during the reconnaissance activities or the April 2021 SI Sampling which would warrant immediate or emergency action.

Ref. 8, pp. 7–24; 20, pp. 11, 12.

17. Information available from:

Contact: Denise Zeno Agency: EPA Region 2 Tel. No.: (212) 637-4319

Preparer: Kelly Gaffney Agency: Region 2 START V Date: December 2021

PART II: WASTE SOURCE INFORMATION

For each of the waste units identified in Part I, complete the following items.

Waste Unit 1 – Contaminated Sediment

Source Type

_____ Landfill	_____ Contaminated Soil
_____ Surface Impoundment	_____ Pile
_____ Drums	_____ Land Treatment
_____ Tanks/Containers	____X___ Other: Contaminated Sediment

Description:

1. Describe the types of containers, impoundments, or other storage systems (i.e., concrete - lined surface impoundments) and any labels that may be present.

   The CIC site is located within a tidal inlet that separates the western end of Coney Island peninsula from the Brooklyn mainland. Coney Island Creek extends approximately 1.8 miles from a culvert at Shell Road on the eastern end to Gravesend Bay on the western end. The width of the creek varies from 60 to 250 feet, although it opens to 700 feet at the western end at Gravesend Bay. The depth of the creek at mean low water varies from 1 foot in the narrow eastern end to 15 feet in the wider central portion.

   Coney Island Creek's banks are lined with various debris from shipwrecks, old barges, piling, construction material, and abandoned cars and boats. Based on review of available site photographs and Sanborn maps, industrial activities have taken place in the area surrounding the creek since the early 1900s, including manufactured gas plant, coal yards, shipyards, an asphalt plant, an oil company, brick and cement yards, lumber yards, a sewage disposal plant, manufacturing facilities for furnishings (steel cabinets, wood products, and fluorescent light fixtures) and food products (baked goods, ice cream, and ice), vehicle repair and storage facilities, electroplating facilities, scrap yards, and auto salvage yards. The rise in urbanization and impermeable surfaces has increased stormwater runoff to the creek and significantly reduced or eliminated tidal marshes or other buffer zones capable of absorbing the extra load. According to NYCDEP, Coney Island Creek receives approximately 290 million gallons of discharge per year through permitted CSO outfalls and 1,487 million gallons of stormwater runoff per year.

   Ref. 3, pp. 3–15; 4, p. 2; 6, pp. 17–25; 12, pp. 2, 10; 13, pp. 2, 5; 19, pp. 1, 2; 20, p. 11; 22, pp. 6–14.

2. Describe the physical condition of the containers or storage systems (i.e., rusted and/or bulging drums).

   Sediment cores were collected and logged as part of the April 2021 SI sampling event. Subsurface sediments encountered were mostly fine sands, silt, and silty sands, with minor amounts of clay. Neither manufactured liners nor continuous confining layers were encountered beneath the contaminated sediments.

   Ref. 8, pp. 12–15, 18–23; 9, pp. 7–14; 25, pp. 2–16.

3. Describe any secondary containment that may be present (e.g., drums on concrete pad in building or aboveground tank surrounded by berm).

   There is no secondary containment associated with the on-site contaminated sediment.

   Ref. 25, pp. 2–16.

Hazardous Waste Quantity

A zone of contamination has been identified that is delineated by sampling locations that indicate the presence of hazardous substances at concentrations greater than or equal to three times (3x) the maximum background concentration, or greater than the highest reporting detection limit (RDL) when all background results were non-detect, and the area lying between these locations. The zone of contamination extends from 6100-SED02 and 6100-SED03 in the western portion of the creek to 6100-SED17 in the eastern portion of the creek; the area of observed contamination between sampling locations is 144,716 square yards (yd^2). Based on the average depth of contamination being 1.5 yds (4.5 ft) delineated by the sediment samples, the volume of contaminated sediment is estimated to be 217,074 cubic yards (yd^3).

Ref. 55, Figure 3a.

Hazardous Substances/Physical State

Sediments collected from Coney Island Creek were found to have detections of VOCs, SVOCs including PAHs, pesticides, and inorganic analytes at concentrations greater than or equal to 3x the maximum background concentration, or greater than the highest RDL when all background results were non-detect. The physical state of contaminated sediments is solid. The following hazardous substances and maximum concentrations are present in the contaminated sediment source and compared to Region 4 Marine/Estuarine Sediment Screening Values for Hazardous Waste Sites [Ref. 56, pp. 81–87].

Hazardous Substance	Maximum Concentration	EPA Region 4 Ecological Screening Value (ESV)
1,2,4- Trimethylbenzene	190 µg/kg	N/A
Phenanthrene	2,600 µg/kg	87 µg/kg
Anthracene	700 µg/kg	N/A
Fluoranthene	4,500 J µg/kg	113 µg/kg
Pyrene	3,700 µg/kg	153 µg/kg
Benzo(a)anthracene	2,100 µg/kg	75 µg/kg
Chrysene	2,100 µg/kg	108 µg/kg
Bis(2-ethylhexyl)phthalate	2,500 µg/kg	182 µg/kg
Benzo(b)fluoranthene	2,900 µg/kg	N/A
Benzo(k)fluoranthene	820 µg/kg	N/A
Benzo(a)pyrene	2,300 µg/kg	89 µg/kg
Indeno(1,2,3-cd)pyrene	1,200 µg/kg	340 µg/kg
Benzo(g,h,i)perylene	1,300 µg/kg	310 µg/kg
4,4'-DDE	23 J µg/kg	2.1 µg/kg
4,4'-DDD	46 µg/kg	1.2 µg/kg
4,4'-DDT	290 µg/kg	0.7 µg/kg
cis-Chlordane	9.6 µg/kg	2.7 µg/kg
trans-Chlordane	14 µg/kg	2.7 µg/kg
Barium	610 J mg/kg	N/A
Cadmium	15 J mg/kg	0.68 mg/kg
Chromium	290 J mg/kg	52.3 mg/kg
Lead	1,600 J mg/kg	30.2 mg/kg
Silver	11 J mg/kg	0.73 mg/kg
Zinc	1,900 J mg/kg	124 mg/kg
Cyanide	5.5 J mg/kg	N/A

Summaries of the sediment sample analytical results, including comparisons to background concentrations and reference citations, are presented in **Part III.**

PART III. SAMPLING RESULTS

EXISTING ANALYTICAL DATA

Former Brooklyn Borough Gas Works MGP Site RI, March 2002 – Surface water and sediment samples were collected from the eastern portion of Coney Island Creek as part of an RI under a NYSDEC program at the Former Brooklyn Borough Gas Works MGP site (State ID No. 2-24-026), located adjacent to the creek [Ref. 10, p. 9]. Analytical results showed the presence of PAHs and BTEX compounds in creek sediments attributed to the former MGP [Ref. 11, pp. 9, 19]. Inorganic constituents, such as arsenic and lead, were detected in creek sediments collected near the CSO and stormwater outfalls [Ref. 10, p. 5]. NAPL was observed seeping into the creek from the site's surface and was determined to be a significant source of PAHs and BTEX compounds to the creek sediments [Ref. 11, pp. 9, 10]. Remedial measures were implemented in the eastern portion of the creek following remediation of the upland portions of the former MGP site. The creek segment targeted for remediation was delineated based on the extent of NAPL and coal tar observed in creek sediments, and on the rationale that PAHs beyond the MTA bridge could be attributed to other sources along the creek [Ref. 10, p. 50]. Beginning in March 2007, 97,541 tons of contaminated sediment were removed from the creek for off-site disposal [Ref. 10, p. 13]. The remediation included excavation of coal-tar-contaminated materials from the entire width of the creek, extending from the culverts at Shell Road (i.e., the eastern end of the creek) to the Metropolitan Transit Authority (MTA) bridge 0.4 mile downstream; the removal of the top 3 feet of contaminated sediment; and replacement of the excavated materials with clean gravel, sand, and organic material on top of a geotextile fabric that acts as a demarcation layer [Ref. 10, pp. 11, 50].

Newtown Creek Superfund Site Reference Sampling, October 2012 – EPA collected eight sediment samples from Coney Island Creek to provide reference data for the Newtown Creek Superfund Site (EPA ID No. NYN000206282) RI/FS [Ref. 7, pp. 2, 3]. EPA collected one sediment sample from the eastern portion of the creek [Ref. 7, p. 3]. The remaining seven samples were collected from the central portion of the creek from east of Cropsey Avenue to the Six Diamonds recreation area [Ref. 7, p. 3]. The samples were analyzed for VOCs, SVOCs, pesticides, inorganic constituents, TOC, and petroleum-related analytes [Ref. 7, pp. 4-29].

VOC results showed the presence of (maximum concentrations) 1,4-dichlorobenzene (7.2 µg/kg), benzene (1.5 J µg/kg), ethylbenzene (8.4 µg/kg), toluene (14 µg/kg), and m.p-xylene (2.7 J µg/kg) [Ref. 7, pp. 4, 9, 19, 21, 28]. PAHs were detected at all sample locations. The results for the sediment samples showed PAH detections of (maximum concentrations) anthracene (10,300 µg/kg), fluoranthene (57,800 µg/kg), benzo(a)anthracene (23,000 µg/kg), benzo(a)pyrene (19,400 µg/kg), benzo(b)fluoranthene (18,400 µg/kg), benzo(g,h,i)perylene (11,000 µg/kg), benzo(k)fluoranthene (1,100 µg/kg), chrysene (23,600 µg/kg), indeno(1,2,3-cd)pyrene (11,400 µg/kg), phenanthrene (47,300 µg/kg), and pyrene (46,800 µg/kg) [Ref. 7, pp. 8, 10, 11, 17, 19, 20, 26, 27]. Bis(2-ethylhexyl)phthalate was detected in all samples ranging from 600 to 15,000 µg/kg [Ref. 7, pp. 11, 12].

Polychlorinated biphenyls (PCB) were detected in the form of Aroclor-1242 at all sample locations, with a maximum concentration of 320 µg/kg [Ref. 7, p. 9]. The pesticides (maximum

concentrations) 4,4'-DDD (73.1 µg/kg), 4,4'-DDE (34.7 µg/kg), and 4,4'-DDT (44 µg/kg) were detected at all sample locations.

Inorganic constituents detected in creek sediment included barium (12.2 to 355 mg/kg), cadmium (1.09 to 4.51 mg/kg), chromium (13 to 148 mg/kg), lead (151 to 890 mg/kg), silver (0.795 to 4.54 mg/kg), and zinc (226 to 1,100 mg/kg) [Ref. 7, pp. 9, 16, 17, 21, 27–29]. Cyanide was detected in a single sample at a concentration of 1.6 mg/kg [Ref. 7, p. 18].

REGION 2 SAT SAMPLING RESULTS, APRIL 2021

On April 13–15, 19, 20, 23, 26, and 27, 2021, Region 2 SAT personnel collected surface water and sediment samples as part of the SI evaluation of the Coney Island Creek site [Ref. 8, pp. 7–26, 29–33; 9, pp. 1–79; 55, Figures 3a and 3b]. Region 2 SAT collected a total of 12 surface water and 63 sediment samples [Ref. 8, pp. 7–26, 9, pp. 7–16, 20–24, 26–29, 31, 33, 35–37, 39, 40, 42, 43, 45–49, 51–56, 58–60, 62–64, 66, 67, 69–71, 73, 77, 78]. Eight surface water samples (including one environmental duplicate) and 50 sediment samples (including three environmental duplicates) were collected from Coney Island Creek [Ref. 8, pp. 7–15, 18–23; 9, pp. 7–14; 55, Figure 3a]. Four surface water samples and 13 sediment samples (including one environmental duplicate) were collected from Shell Bank Creek for evaluation of background conditions [Ref. 8, pp. 16–18; 9, pp. 14–16; 55, Figure 3b].

All surface water samples except 6100-SW20 were collected directly into sample jars [Ref. 9, p. 5]. Sample 6100-SW20 was collected by lowering a decontaminated, stainless-steel bucket by rope into the creek from a bridge on Shell Road at the eastern terminus of the creek [Ref. 8, pp. 11, 32; 9, p. 5]. Proposed surface water sample 6100-SW21 was not collected due to its proximity to 6100-SW20 [Ref. 9, p. 5].

All sediment samples except 6100-SED14A, 6100-SED15A, 6100-SED15B, 6100-SED16A, 6100-SED17A, 6100-SED18A, 6100-SSED19A, 6100-SED20A, and 6100-SED21A were obtained using Vibracore push-coring technology [Ref. 8, p. 23; 9, p. 5]. The sediment samples listed above were collected using manual methods (i.e., slam bar; spring-activated, self-closing dredge; or dedicated polyethylene scoop) due to shallow water that was inaccessible to the Vibracore [Ref. 8, p. 23; 9, p. 5]. Sediment samples obtained using Vibracore were generally collected within the proposed depths of 0–2, 2–4, and 4–6 feet below the sediment surface, with observed compression assumed evenly among the intervals; however, Vibracore refusal or low recovery resulted in modified depths at some locations [Ref. 9, pp. 5, 7–16]. Proposed Vibracore sediment samples 6100-SED12C, 6100-SED14B, 6100-SED14C, 6100-SED15C, 6100-SED20B, 6100-SED20C, 6100-SED21B, and 6100-SED21C were not collected either because of Vibracore refusal or because conditions at these locations necessitated manual collection methods [Ref. 9, p. 5]. Sediment samples were screened using a photoionization detector (PID) in 6-inch intervals [Ref, 8, pp. 12–20, 23; 9, pp. 7–16]. A maximum PID reading of 62.5 parts per million (ppm) above background was detected in the surface sediment at location 6100-SED15A, at a depth of 0 to 2 feet below sediment surface (bss) [Ref. 8, p. 23]. A PID reading of 57.7 ppm was recorded in subsurface sediment 2 to 4 ft bss at location 6100-SED15B [Ref. 8, p. 23].

Organic TAL VOC sediment sample fractions were collected with dedicated EnCore™ sampling

devices from the bottom of each sampling interval [Ref. 8, pp. 13, 30; 9, p. 5]. The entire sampling interval was then homogenized in dedicated, disposable aluminum trays with disposable polyethylene scoops prior to insertion into the sample containers for remaining Organic TAL, inductively coupled plasma-atomic emission spectrometry (ICP-AES) 11+ Metals (including Hg and CN), TOC (4-oz. glass jars), and GS analyses (16-oz. poly jars) [Ref. 8, pp. 14, 30; 9, p. 5]. Four rinsate blank samples were collected to demonstrate adequate decontamination of non-dedicated sampling equipment associated with the Vibracore and manual sediment collection methods [Ref. 8, pp. 11, 16, 24, 31; 9, pp. 5, 16, 32, 33, 45, 49, 74]. Three trip blanks and one rinsate blank were collected in conjunction with the surface water sampling effort [Ref. 8, pp. 9, 11, 12, 9, pp. 5, 16, 21, 28, 31–33].

Samples collected for quality assurance/quality control (QA/QC) purposes included one aqueous and four sediment environmental duplicate samples, five rinsate blanks, and three trip blanks [Ref. 8, pp. 9, 11, 12, 16, 24, 31; 9, pp. 5, 16, 21, 28, 31–33, 45, 49, 74]. One surface water and four sediment samples were designated for matrix spike/matrix spike duplicate (MS/MSD) analyses [Ref. 8, pp. 8, 9, 13, 14, 18, 20, 23; 9, pp. 7, 9, 10, 12, 14, 15, 20, 21, 24, 35, 39, 47, 48, 59, 62, 73, 77]. All samples were collected in support of the Coney Island Creek SI, assigned under EPA Contract 68HE0319D0004 (Region 2 Superfund Technical Assessment and Response Team V [START V]) [Ref. 9, p. 5].

WESTON and its Vibracore subcontractor logged sample locations electronically using GPS equipment and performed post-processing differential correction of the GPS data in accordance with EPA Region 2 GPS Standard Operating Procedures [Ref. 8, pp. 9, 10, 13; 9, pp. 5, 18; 25, pp. 1–25]. Sample location coordinates are presented in **Table 1**. The Sample Location Map is presented as **Figure 2**.

All samples obtained by WESTON were collected from locations associated with the CIC site located in Brooklyn, NY under the Region 2 START V contract [Ref. 9, p. 5]. All surface water and sediment samples, as well as their respective QA/QC samples, were analyzed for Organic TAL VOCs, SVOCs, Pesticides, and Aroclors; and ICP-AES 11+ Metals (including Hg and CN) through the EPA CLP under Case No. 49391 [Ref. 9, pp. 1, 20–24, 26–29, 31–33, 35–37, 39, 40, 45–49, 55, 56, 59, 60, 62–64, 73, 74, 76–78]]. Sediment samples were also analyzed for TOC by a WESTON-subcontracted laboratory (Chemtech Consulting Group) and for GS by the EPA Region 2 LSASD laboratory in Edison, NJ [Ref. 9, pp 1, 42, 43, 51, 52, 53, 54, 58, 66, 67, 69–71].

TABLE 1
CONEY ISLAND CREEK
SAMPLE LOCATION COORDINATES

Location Type	Location IDs	Sample IDs	Latitude	Longitude	Data Collection Type
Surface water and Vibracore Sediment	6100-SED01	6100-SW01	40.581897	-74.000676	GPS point collected in the field
		6100-SED01A			
		6100-SED01B			
		6100-SED01C			
Vibracore Sediment	6100-SED02	6100-SED02A	40.580594	-73.997086	GPS point collected in the field
		6100-SED02B			
		6100-SED02C			
Vibracore Sediment	6100-SED03	6100-SED03A	40.581562	-73.996244	GPS point collected in the field
		6100-SED03B			
		6100-SED03C			
Surface water and Vibracore Sediment	6100-SED04	6100-SW04	40.580216	-73.995342	GPS point collected in the field
		6100-SED04A			
		6100-SED04B			
		6100-SED04C			
Vibracore Sediment	6100-SED05	6100-SED05A	40.580713	-73.992973	GPS point collected in the field
		6100-SED05B			
		6100-SED05C			
Vibracore Sediment	6100-SED06	6100-SED06A	40.582526	-73.992710	GPS point collected in the field
		6100-SED06B			
		6100-SED06C			
Vibracore Sediment	6100-SED07	6100-SED07A	40.580587	-73.991143	GPS point collected in the field
		6100-SED07B			
		6100-SED07C			
		6100-SED26C (Duplicate)			
Vibracore Sediment	6100-SED08	6100-SED08A	40.579862	-73.989955	GPS point collected in the field
		6100-SED08B			
		6100-SED08C			
Surface water and Vibracore Sediment	6100-SED09	6100-SW09	40.578970	-73.988472	GPS point collected in the field
		6100-SW26 (Duplicate)			
		6100-SED09A			
		6100-SED09B			
		6100-SED26B (Duplicate)			
		6100-SED09C			
Vibracore Sediment	6100-SED10	6100-SED10A	40.579794	-73.986936	GPS point collected in the field
		6100-SED10B			
		6100-SED10C			
Surface water and Vibracore Sediment	6100-SED11	6100-SW11	40.581437	-73.986286	GPS point collected in the field
		6100-SED11A			
		6100-SED11B			
		6100-SED11C			
Vibracore Sediment	6100-SED12	6100-SED12A	40.582804	-73.984243	GPS point collected in the field
		6100-SED12B			
Surface water and Vibracore Sediment	6100-SED13	6100-SW13	40.583170	-73.983534	GPS point collected in the field
		6100-SED13A			
		6100-SED13B			
		6100-SED13C			
Surface Water and Vibracore Sediment	6100-SED14	6100-SW14	40.582478	-73.982268	GPS point collected in the field
		6100-SED12A			
Vibracore Sediment	6100-SED15	6100-SED15A	40.581673	-73.981440	GPS point collected in the field
		6100-SED27A (Duplicate)			
		6100-SED15B			
Vibracore Sediment	6100-SED16	6100-SED16A	40.580940	-73.980458	GPS point collected in the field
Vibracore Sediment	6100-SED17	6100-SED17A	40.580003	-73.979618	GPS point collected in the field
Vibracore Sediment	6100-SED18	6100-SED18A	40.580668	-73.978043	GPS point collected in the field
Vibracore Sediment	6100-SED19	6100-SED19A	40.581393	-73.976810	GPS point collected in the field
Vibracore Sediment	6100-SED20	6100-SED20A	40.582553	-73.975387	GPS point collected in the field
Surface Water and Vibracore Sediment	6100-SED21	6100-SW20	40.582599	-73.974848	Approximate GPS location
		6100-SED21A			
Surface water and Vibracore Sediment [Background]	6100-SED22	6100-SW22	40.585756	-73.917661	GPS point collected in the field
		6100-SED22A			
		6100-SED22B			
		6100-SED22C			
Surface water and Vibracore Sediment [Background]	6100-SED23	6100-SW23	40.584876	-73.922966	GPS point collected in the field
		6100-SED23A			
		6100-SED23B			
		6100-SED23C			
Surface water and Vibracore Sediment [Background]	6100-SED24	6100-SW24	40.587319	-73.929752	GPS point collected in the field
		6100-SED24A			
		6100-SED24B			
		6100-SED24C			
Surface water and Vibracore Sediment [Background]	6100-SED25	6100-SW25	40.594107	-73.932373	GPS point collected in the field
		6100-SED25A			
		6100-SED26A (Duplicate)			
		6100-SED25B			
		6100-SED25C			

Organic TAL results for the sediment samples document the presence of a contaminated sediment source in Coney Island Creek. The VOC 1,2,4-trimethylebenzene (190 µg/kg); PAHs, such as benzo(a)pyrene (2,300 µg/kg); and the pesticides 4,4′-DDD (46 µg/kg), 4,4′-DDE (23 µg/kg), 4,4′-DDT (290 µg/kg), cis-chlordane (9.1 J µg/kg), and trans-chlordane (14 µg/kg), were detected at concentrations greater than or equal to 3x maximum background concentrations, or above the highest background RDL when all background results were non-detect. Summaries of the Organic TAL results for sediment samples are presented in **Tables 2A through 2C**.

ICP-AES 11+ Metals analyses for the sediment samples showed the following analytes at concentrations greater than or equal to 3x maximum background concentrations, or above the highest background RDL when all background results were non-detect: barium (610 J mg/kg), cadmium (15 J mg/kg), chromium (290 J mg/kg), lead (1,600 J mg/kg), silver (11 J mg/kg), zinc (1,900 mg/kg), and cyanide (5.5 J mg/kg). A summary of the ICP-AES 11+ Metals results for the sediment samples is presented in **Table 2D**. The contaminant levels in Coney Island Creek sediments and the background sediment results for Shell Bank Creek are presented in **Figures 3a and 3b**, respectively.

Organic TAL analytical results for surface water samples indicate either non-detect values or low, estimated concentrations below sample reporting detection limits (RDL). ICP-AES 11+ Metals analyses indicated one detection of iron (600 micrograms per liter [µg/L]) in surface water sample 6100-SW14, which was collected from the eastern portion of the creek, and one detection of cyanide (40 J- µg/L) in surface water sample 6100-SW20, which was collected at the eastern terminus of the creek at Shell Road; both concentrations are above the highest respective RDL, as iron and cyanide were not detected in background surface water samples [Ref. 55, Figure 3a]. Results for the remaining inorganic parameters indicated either non-detect values, estimated concentrations below RDLs, or results that are comparable to background. The surface water sample analytical results are presented in **Tables 3A through 3D**.

TABLE 2A
SEDIMENT ANALYTICAL DATA - VOLATILE ORGANIC COMPOUNDS
CONEY ISLAND CREEK

| Sample Purpose: | Background Samples | | |

TABLE 2A
SEDIMENT ANALYTICAL DATA - VOLATILE ORGANIC COMPOUNDS
CONEY ISLAND CREEK

| Sample Purpose: | | | Coney Island Creek Samples | | |

TABLE 2A
SEDIMENT ANALYTICAL DATA - VOLATILE ORGANIC COMPOUNDS
CONEY ISLAND CREEK

| Sample Purpose: | | | Coney Island Creek Samples | | |

TABLE 2A
SEDIMENT ANALYTICAL DATA - VOLATILE ORGANIC COMPOUNDS
CONEY ISLAND CREEK

| Sample Purpose: | | | Coney Island Creek Samples | | |

TABLE 2A
SEDIMENT ANALYTICAL DATA - VOLATILE ORGANIC COMPOUNDS
CONEY ISLAND CREEK

Sample Purpose:			Coney Island Creek Samples																															
Field Sample ID:	3x Maximum Background, or Highest Reportig Detection Limit		6100-SED13C			6100-SED14A			6100-SED15A			6100-SED27A			6100-SED15B			6100-SED16A			6100-SED17A			6100-SED18A			6100-SED19A			6100-SED20A			6100-SED21A		
CLP ID:			BG596			BG597			BG5A0			BG516			BG5A1			BG5A3			BG5A6			BG5A9			BG5B2			BG5B5			BG4Z8		
Date:			4/26/2021			4/27/2021			4/27/2021			4/27/2021			4/27/2021			4/27/2021			4/27/2021			4/27/2021			4/27/2021			4/27/2021			4/15/2021		
Depth Interval (ft bss):			4 - 6			0 - 2.4			0 - 2			0 - 2			2 - 4			0 - 0.2			0 - 0.5			0 - 0.2			0 - 0.5			0 - 0.2			0 - 0.5		
Comments:												Duplicate of 6100-SED15A																							
VOC	**Value**	**Q**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**
Dichlorodifluoromethane	35	U	9.9	U	9.9	6.4	U	6.4	22	U	22	18	U	18	7.7	U	7.7	7.5	U	7.5	15	U	15	6.1	U	6.1	25	U	25	10	U	10	16	U	16
Chloromethane	35	U	9.9	U	9.9	6.4	U	6.4	22	U	22	18	U	18	7.7	U	7.7	7.5	U	7.5	15	U	15	6.1	U	6.1	25	U	25	10	U	10	16	U	16
Vinyl chloride	35	U	9.9	U	9.9	6.4	U	6.4	22	U	22	18	U	18	7.7	U	7.7	7.5	U	7.5	15	U	15	6.1	U	6.1	25	U	25	10	U	10	16	U	16
Bromomethane	35	U	9.9	U	9.9	6.4	U	6.4	22	U	22	18	U	18	7.7	U	7.7	7.5	U	7.5	15	U	15	6.1	U	6.1	25	U	25	10	U	10	16	U	16
Chloroethane	35	U	9.9	U	9.9	6.4	U	6.4	22	U	22	18	U	18	7.7	U	7.7	7.5	U	7.5	15	U	15	6.1	U	6.1	25	U	25	10	U	10	16	U	16
Trichlorofluoromethane	35	U	9.9	U	9.9	6.4	U	6.4	22	U	22	18	U	18	7.7	U	7.7	7.5	U	7.5	15	U	15	6.1	U	6.1	25	U	25	10	U	10	16	U	16
1,1-Dichloroethene	35	U	9.9	U	9.9	6.4	U	6.4	22	U	22	18	U	18	7.7	U	7.7	7.5	U	7.5	15	U	15	6.1	U	6.1	25	U	25	10	U	10	16	U	16
1,1,2-Trichloro-1,2,2-trifluoroethane	35	U	9.9	U	9.9	6.4	U	6.4	22	U	22	18	U	18	7.7	U	7.7	7.5	U	7.5	15	U	15	6.1	U	6.1	25	U	25	10	U	10	16	U	16
Acetone	2,760	J	90		20	37		13	65		45	76		37	19	U	15	47		15	160		30	32		12	260		49	66		21	140		33
Carbon disulfide	390	J	1.5	J	9.9	2.2	J	6.4	14	J	22	23		18	16		7.7	7.5	U	7.5	4.3	J	15	6.1	U	6.1	9.9	J	25	3.4	J	10	2.5	J	16
Methyl Acetate	35	U	9.9	U	9.9	6.4	U	6.4	22	U	22	18	U	18	7.7	U	7.7	7.5	U	7.5	15	U	15	6.1	U	6.1	25	U	25	10	U	10	16	U	16
Methylene chloride	84		24		9.9	6.9	U	6.4	22		22	18	U	18	8.9	U	7.7	8.1	U	7.5	15	U	15	6.8	U	6.1	25	U	25	12		10	23		16
trans-1,2-Dichloroethene	35	U	9.9	U	9.9	6.4	U	6.4	22	U	22	18	U	18	7.7	U	7.7	7.5	U	7.5	15	U	15	6.1	U	6.1	25	U	25	10	U	10	16	U	16
Methyl tert-butyl Ether	35	U	9.9	U	9.9	6.4	U	6.4	22	U	22	18	U	18	7.7	U	7.7	7.5	U	7.5	15	U	15	6.1	U	6.1	25	U	25	10	U	10	16	U	16
1,1-Dichloroethane	35	U	9.9	U	9.9	6.4	U	6.4	22	U	22	18	U	18	7.7	U	7.7	7.5	U	7.5	15	U	15	6.1	U	6.1	25	U	25	10	U	10	16	U	16
cis-1,2-Dichloroethene	35	U	9.9	U	9.9	6.4	U	6.4	22	U	22	18	U	18	7.7	U	7.7	7.5	U	7.5	15	U	15	6.1	U	6.1	25	U	25	10	U	10	16	U	16
2-Butanone	690	J	31		20	9.3	J	13	45	U	45	37	U	37	15	U	15	14	J	15	44		30	12	U	12	76		49	19	J	21	25	J	33
Bromochloromethane	35	U	9.9	U	9.9	6.4	U	6.4	22	U	22	18	U	18	7.7	U	7.7	7.5	U	7.5	15	U	15	6.1	U	6.1	25	U	25	10	U	10	16	U	16
Chloroform	35	U	9.9	U	9.9	6.4	U	6.4	22	U	22	18	U	18	7.7	U	7.7	7.5	U	7.5	15	U	15	6.1	U	6.1	25	U	25	10	U	10	16	U	16
1,1,1-Trichloroethane	35	U	9.9	U	9.9	6.4	U	6.4	22	U	22	18	U	18	7.7	U	7.7	7.5	U	7.5	15	U	15	6.1	U	6.1	25	U	25	10	U	10	16	U	16
Cyclohexane	35	U	9.9	U	9.9	6.4	U	6.4	22	U	22	18	U	18	7.7	U	7.7	7.5	U	7.5	15	U	15	6.1	U	6.1	25	U	25	10	U	10	16	U	16
Carbon tetrachloride	35	U	9.9	U	9.9	6.4	U	6.4	22	U	22	18	U	18	7.7	U	7.7	7.5	U	7.5	15	U	15	6.1	U	6.1	25	U	25	10	U	10	16	U	16
Benzene	35	U	9.9	U	9.9	6.4	U	6.4	22	U	22	18	U	18	7.7	U	7.7	7.5	U	7.5	15	U	15	6.1	U	6.1	25	U	25	10	U	10	16	U	16
1,2-Dichloroethane	35	U	9.9	U	9.9	6.4	U	6.4	22	U	22	18	U	18	7.7	U	7.7	7.5	U	7.5	15	U	15	6.1	U	6.1	25	U	25	10	U	10	16	U	16
Trichloroethene	35	U	9.9	U	9.9	6.4	U	6.4	22	U	22	18	U	18	7.7	U	7.7	7.5	U	7.5	15	U	15	6.1	U	6.1	25	U	25	10	U	10	16	U	16
Methylcyclohexane	35	U	2.6	J	9.9	6.4	U	6.4	22	U	22	18	U	18	7.7	U	7.7	7.5	U	7.5	15	U	15	6.1	U	6.1	25	U	25	10	U	10	16	U	16
1,2-Dichloropropane	35	U	9.9	U	9.9	6.4	U	6.4	22	U	22	18	U	18	7.7	U	7.7	7.5	U	7.5	15	U	15	6.1	U	6.1	25	U	25	10	U	10	16	U	16
Bromodichloromethane	35	U	9.9	U	9.9	6.4	U	6.4	22	U	22	18	U	18	7.7	U	7.7	7.5	U	7.5	15	U	15	6.1	U	6.1	25	U	25	10	U	10	16	U	16
cis-1,3-Dichloropropene	35	U	9.9	U	9.9	6.4	U	6.4	22	U	22	18	U	18	7.7	U	7.7	7.5	U	7.5	15	U	15	6.1	U	6.1	25	U	25	10	U	10	16	U	16
4-Methyl-2-pentanone	70	U	20	U	20	13	U	13	45	U	45	37	U	37	15	U	15	15	U	15	30	U	30	12	U	12	49	U	49	21	U	21	33	U	33
Toluene	35	U	9.9	U	9.9	6.4	U	6.4	22	U	22	18	U	18	7.7	U	7.7	7.5	U	7.5	15	U	15	6.1	U	6.1	25	U	25	10	U	10	16	U	16
trans-1,3-Dichloropropene	35	U	9.9	U	9.9	6.4	U	6.4	22	U	22	18	U	18	7.7	U	7.7	7.5	U	7.5	15	U	15	6.1	U	6.1	25	U	25	10	U	10	16	U	16
1,1,2-Trichloroethane	35	U	9.9	U	9.9	6.4	U	6.4	22	U	22	18	U	18	7.7	U	7.7	7.5	U	7.5	15	U	15	6.1	U	6.1	25	U	25	10	U	10	16	U	16
Tetrachloroethene	35	U	9.9	U	9.9	6.4	U	6.4	22	U	22	18	U	18	7.7	U	7.7	7.5	U	7.5	6.8	J	15	6.1	U	6.1	16	J	25	5.0	J	10	16	U	16
2-Hexanone	70	U	20	U	20	13	U	13	45	U	45	37	U	37	15	U	15	15	U	15	30	U	30	12	U	12	49	U	49	21	U	21	33	U	33
Dibromochloromethane	35	U	9.9	U	9.9	6.4	U	6.4	22	U	22	18	U	18	7.7	U	7.7	7.5	U	7.5	15	U	15	6.1	U	6.1	25	U	25	10	U	10	16	U	16
1,2-Dibromoethane	35	U	9.9	U	9.9	6.4	U	6.4	22	U	22	18	U	18	7.7	U	7.7	7.5	U	7.5	15	U	15	6.1	U	6.1	25	U	25	10	U	10	16	U	16
Chlorobenzene	35	U	9.9	U	9.9	6.4	U	6.4	22	U	22	18	U	18	7.7	U	7.7	7.5	U	7.5	15	U	15	6.1	U	6.1	25	U	25	10	U	10	16	U	16
Ethylbenzene	35	U	9.9	U	9.9	6.4	U	6.4	22	U	22	18	U	18	7.7	U	7.7	7.5	U	7.5	15	U	15	6.1	U	6.1	25	U	25	10	U	10	16	U	16
o-Xylene	35	U	6.0	J	9.9	6.4	U	6.4	22	U	22	18	U	18	7.7	U	7.7	7.5	U	7.5	15	U	15	6.1	U	6.1	25	U	25	10	U	10	16	U	16
m,p-Xylene	35	U	2.3	J	9.9	6.4	U	6.4	22	U	22	18	U	18	7.7	U	7.7	7.5	U	7.5	15	U	15	6.1	U	6.1	25	U	25	10	U	10	16	U	16
Styrene	35	U	9.9	U	9.9	6.4	U	6.4	22	U	22	18	U	18	7.7	U	7.7	7.5	U	7.5	15	U	15	6.1	U	6.1	25	U	25	10	U	10	16	U	16
Bromoform	35	U	9.9	U	9.9	6.4	U	6.4	22	U	22	18	U	18	7.7	U	7.7	7.5	U	7.5	15	UJ	15	6.1	U	6.1	25	UJ	25	10	U	10	16	UJ	16
Isopropylbenzene	35	U	18		9.9	6.4	U	6.4	22	U	22	18	U	18	7.7	U	7.7	7.5	U	7.5	15	UJ	15	6.1	U	6.1	25	UJ	25	10	U	10	16	UJ	16
1,2,3-Trichloropropane	35	U	9.9	U	9.9	6.4	U	6.4	22	U	22	18	U	18	7.7	U	7.7	7.5	U	7.5	15	U	15	6.1	U	6.1	25	U	25	10	U	10	16	U	16
1,1,2,2-Tetrachloroethane	35	U	9.9	U	9.9	6.4	U	6.4	22	U	22	18	U	18	7.7	U	7.7	7.5	U	7.5	15	U	15	6.1	U	6.1	25	U	25	10	U	10	16	U	16
1,3-Dichlorobenzene	35	U	9.9	U	9.9	6.4	U	6.4	22	U	22	18	U	18	7.7	U	7.7	7.5	U	7.5	15	UJ	15	6.1	U	6.1	25	UJ	25	10	U	10	16	UJ	16
1,4-Dichlorobenzene	35	U	9.9	U	9.9	6.4	U	6.4	22	U	22	18	U	18	7.7	U	7.7	7.5	U	7.5	15	UJ	15	6.1	U	6.1	25	UJ	25	10	U	10	16	UJ	16
1,2-Dichlorobenzene	35	U	9.9	U	9.9	6.4	U	6.4	22	U	22	18	U	18	7.7	U	7.7	7.5	U	7.5	15	UJ	15	6.1	U	6.1	25	UJ	25	10	U	10	16	UJ	16
1,2-Dibromo-3-chloropropane	35	U	9.9	U	9.9	6.4	U	6.4	22	U	22	18	U	18	7.7	U	7.7	7.5	U	7.5	15	UJ	15	6.1	U	6.1	25	UJ	25	10	U	10	16	UJ	16
1,2,4-Trimethylbenzene	35	U	5.4	J	9.9	6.4	U	6.4	22	U	22	18	U	18	7.7	U	7.7	7.5	U	7.5	15	UJ	15	6.1	U	6.1	25	UJ	25	10	U	10	16	UJ	16
1,3,5-Trimethylbenzene	35	U	2.1	J	9.9	6.4	U	6.4	22	U	22	18	U	18	7.7	U	7.7	7.5	U	7.5	15	UJ	15	6.1	U	6.1	25	UJ	25	10	U	10	16	UJ	16
1,2,4-trichlorobenzene	35	U	9.9	U	9.9	6.4	U	6.4	22	U	22	18	U	18	7.7	U	7.7	7.5	U	7.5	15	UJ	15	6.1	U	6.1	25	UJ	25	10	U	10	16	UJ	16
1,2,3-Trichlorobenzene	35	U	9.9	U	9.9	6.4	U	6.4	22	U	22	18	U	18	7.7	U	7.7	7.5	U	7.5	15	UJ	15	6.1	U	6.1	25	UJ	25	10	U	10	16	UJ	16
Total Organic Carbon	NA		76000		500	24800		500	66500		500	97400		500	31400		500	10900		250	97800		500	9780		250	138000		500	21100		500	132000		500
Grain Size Distribution:																																			
Total Coarse (%)	NA		41.7			70.1			14.9			10.6			51.1			89.9			49.4			90.7			18.2			82.7			59.2		
Total Fines-Silt/Clay (%)			58.3			29.9			85.1			89.4			48.9			10.1			50.6			9.3			81.8			17.3			40.8		
Reference			35, pp. 39, 40, 83, 84; 51, pp. 17, 183			33, pp. 29, 30, 98, 99; 51, pp. 17, 184			33, pp. 39, 40, 99, 100; 51, pp. 17, 185			33, pp. 23, 24, 98; 51, pp. 18, 19, 169			33, pp. 45, 46, 100, 101; 51, pp. 19, 186			33, pp. 51, 52, 101; 51, pp. 17, 162			33, pp. 57, 58, 101, 102; 51, pp. 18, 187			33, pp. 65, 66, 103, 104; 51, pp. 18, 165			33, pp. 71, 72, 104, 105; 51, pp. 18, 188			33, pp. 79, 80, 105, 106; 51, pp. 18, 189			30, pp. 23, 24, 148; 51, pp. 11, 30		

All results are reported in micrograms per kilogram (µg/kg)
ft bss = feet below sediment surface
RDL = Reporting Detection Limit, equivalent to the adjusted Contract Required Quantitation limit (ACRQL)
Q = Validation Qualifier
Data Qualifiers:

U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the ACRQL for sample and method [Ref. 35, p. 2]
J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL) [Ref. 35, p. 2]. Values qualified J due to issues of quality control as determined by the Data Validator are not considered for selection of maximum background or for evaluation of observed release/observed contamination.
UJ = The analyte was not detected at a level greater than or equal to the ACRQL. However, the reported ACRQL is approximate and may be innacurate or imprecise [Ref. 35, p.2]

TABLE 2B
SEDIMENT ANALYTICAL DATA - SEMIVOLATILE ORGANIC COMPOUNDS
CONEY ISLAND CREEK

| Sample Purpose: | Background Samples | | |

TABLE 2B
SEDIMENT ANALYTICAL DATA - SEMIVOLATILE ORGANIC COMPOUNDS
CONEY ISLAND CREEK

Sample Purpose:		Coney Island Creek Samples																																	
Field Sample ID:	3x Maximum	6100-SED01A			6100-SED01B			6100-SED01C			6100-SED02A			6100-SED02B			6100-SED02C			6100-SED03A			6100-SED03B			6100-SED03C			6100-SED04A			6100-SED04B			6100-SED04C			6100-SED05A		
CLP ID:	Background, or	BG558			BG559			BG560			BG561			BG562			BG563			BG564			BG565			BG566			BG567			BG568			BG569			BG570		
Date:	Highest Reportig	4/19/2021			4/19/2021			4/19/2021			4/19/2021			4/19/2021			4/19/2021			4/19/2021			4/19/2021			4/19/2021			4/19/2021			4/19/2021			4/19/2021			4/19/2021		
Depth Interval (ft bss):	Detection Limit	0 - 1			1 - 2			2 - 3			0 - 2			2 - 4			4 - 6			0 - 1			2 - 4			4 - 6			0 - 2			2 - 4			4 - 6			0 - 2		
Comments:																																									
SVOC	Value	Q	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL
1,4-Dioxane	260	U	81	UJ	81	82	UJ	82	83	UJ	83	130	UJ	130	130	UJ	130	93	UJ	93	130	UJ	130	200	UJ	200	190	UJ	190	100	U	100	130	UJ	130	180	U	180	160	UJ	160
Benzaldehyde	1300	U	400	U	400	72	J	400	410	U	410	650	U	650	620	U	620	460	U	460	660	U	660	990	U	990	940	U	940	510	U	510	630	U	630	910	U	910	780	U	780
Phenol	1300	U	56	J	400	83	J	400	43	J	410	650	U	650	620	U	620	63	J	460	660	U	660	990	U	990	940	U	940	67	J	510	630	U	630	170	J	910	100	J	780
Bis(2-Chloroethyl)ether	1300	U	400	U	400	400	U	400	410	U	410	650	U	650	620	U	620	460	U	460	660	U	660	990	U	990	940	U	940	510	U	510	630	U	630	910	U	910	780	U	780
2-Chlorophenol	650	U	210	U	210	210	U	210	210	U	210	330	U	330	320	U	320	240	U	240	340	U	340	510	U	510	480	U	480	260	U	260	330	U	330	470	U	470	400	U	400
2-Methylphenol	1300	U	400	U	400	400	U	400	410	U	410	650	U	650	620	U	620	460	U	460	660	U	660	990	U	990	940	U	940	510	U	510	630	U	630	910	U	910	780	U	780
2,2-oxybis(1-Chloropropane)	1300	U	400	U	400	400	U	400	410	U	410	650	U	650	620	U	620	460	U	460	660	U	660	990	U	990	940	U	940	510	U	510	630	U	630	910	U	910	780	U	780
Acetophenone	1300	U	400	U	400	150	J	400	410	U	410	650	U	650	620	U	620	460	U	460	660	U	660	990	U	990	940	U	940	510	U	510	630	U	630	910	U	910	780	U	780
4-Methylphenol	1300	U	400	U	400	400	U	400	410	U	410	650	U	650	620	U	620	460	U	460	660	U	660	990	U	990	940	U	940	510	U	510	630	U	630	910	U	910	780	U	780
N-Nitroso-di-n-propylamine	650	U	210	U	210	210	U	210	210	U	210	330	U	330	320	U	320	240	U	240	340	U	340	510	U	510	480	U	480	260	U	260	330	U	330	470	U	470	400	U	400
Hexachloroethane	650	U	210	U	210	210	U	210	210	U	210	330	U	330	320	U	320	240	U	240	340	U	340	510	U	510	480	U	480	260	U	260	330	U	330	470	U	470	400	U	400
Nitrobenzene	650	U	210	U	210	210	U	210	210	U	210	330	U	330	320	U	320	240	U	240	340	U	340	510	U	510	480	U	480	260	U	260	330	U	330	470	U	470	400	U	400
Isophorone	650	U	210	U	210	210	U	210	210	U	210	330	U	330	320	U	320	240	U	240	340	U	340	510	U	510	480	U	480	260	U	260	330	U	330	470	U	470	400	U	400
2-Nitrophenol	650	U	210	U	210	210	U	210	210	U	210	330	U	330	320	U	320	240	U	240	340	U	340	510	U	510	480	U	480	260	U	260	330	U	330	470	U	470	400	U	400
2,4-Dimethylphenol	650	U	210	U	210	210	U	210	210	U	210	330	U	330	320	U	320	240	U	240	340	U	340	510	U	510	480	U	480	260	U	260	330	U	330	470	U	470	400	U	400
Bis(2-Chloroethoxy)methane	650	U	210	U	210	210	U	210	210	U	210	330	U	330	320	U	320	240	U	240	340	U	340	510	U	510	480	U	480	260	U	260	330	U	330	470	U	470	400	U	400
2,4-Dichlorophenol	650	U	210	U	210	210	U	210	210	U	210	330	U	330	320	U	320	240	U	240	340	U	340	510	U	510	480	U	480	260	U	260	330	U	330	470	U	470	400	U	400
Naphthalene	650	U	210	U	210	210	U	210	210	U	210	330	U	330	320	U	320	240	U	240	340	U	340	510	U	510	480	U	480	260	U	260	330	U	330	470	U	470	400	U	400
4-Chloroaniline	1300	U	400	U	400	400	U	400	410	U	410	650	U	650	620	U	620	460	U	460	660	U	660	990	U	990	940	U	940	510	U	510	630	U	630	910	U	910	780	U	780
Hexachlorobutadiene	650	U	210	U	210	210	U	210	210	U	210	330	U	330	320	U	320	240	U	240	340	U	340	510	U	510	480	U	480	260	U	260	330	U	330	470	U	470	400	U	400
Caprolactam	1300	U	400	U	400	400	U	400	410	U	410	650	U	650	620	U	620	460	U	460	660	U	660	990	U	990	940	U	940	510	U	510	630	U	630	910	U	910	780	U	780
4-Chloro-3-methylphenol	650	U	210	U	210	210	U	210	210	U	210	330	U	330	320	U	320	240	U	240	340	U	340	510	U	510	480	U	480	260	U	260	330	U	330	470	U	470	400	U	400
1-Methylnaphthalene	650	U	210	U	210	210	U	210	210	U	210	330	U	330	320	U	320	240	U	240	340	U	340	510	U	510	480	U	480	260	U	260	330	U	330	470	U	470	400	U	400
2-Methylnaphthalene	650	U	210	U	210	210	U	210	210	U	210	330	U	330	320	U	320	240	U	240	340	U	340	510	U	510	480	U	480	260	U	260	330	U	330	470	U	470	400	U	400
Hexachlorocyclopentadiene	1300	U	400	U	400	400	U	400	410	U	410	650	U	650	620	U	620	460	U	460	660	U	660	990	U	990	940	U	940	510	U	510	630	U	630	910	U	910	780	U	780
2,4,6-Trichlorophenol	650	U	210	U	210	210	U	210	210	U	210	330	U	330	320	U	320	240	U	240	340	U	340	510	U	510	480	U	480	260	U	260	330	U	330	470	U	470	400	U	400
2,4,5-Trichlorophenol	650	U	210	U	210	210	U	210	210	U	210	330	U	330	320	U	320	240	U	240	340	U	340	510	U	510	480	U	480	260	U	260	330	U	330	470	U	470	400	U	400
1,1-Biphenyl	650	U	210	U	210	210	U	210	210	U	210	330	U	330	320	U	320	240	U	240	340	U	340	510	U	510	480	U	480	260	U	260	330	U	330	470	U	470	400	U	400
2-Chloronaphthalene	650	U	210	U	210	210	U	210	210	U	210	330	U	330	320	U	320	240	U	240	340	U	340	510	U	510	480	U	480	260	U	260	330	U	330	470	U	470	400	U	400
2-Nitroaniline	650	U	210	U	210	210	U	210	210	U	210	330	UJ	330	320	U	320	240	U	240	340	UJ	340	510	U	510	480	U	480	260	U	260	330	U	330	470	U	470	400	U	400
Dimethylphthalate	1770		44	J	210	210	U	210	52	J	210	330	U	330	74	J	320	250		240	150	J	340	280	J	510	240	J	480	210	J	260	130	J	330	170	J	470	310	J	400
2,6-Dinitrotoluene	650	U	210	U	210	210	U	210	210	U	210	330	U	330	320	U	320	240	U	240	340	U	340	510	U	510	480	U	480	260	U	260	330	U	330	470	U	470	400	U	400
Acenaphthylene	650	U	210	U	210	210	U	210	210	U	210	100	J	330	320	U	320	240	U	240	340	U	340	510	U	510	480	U	480	260	U	260	330	U	330	470	U	470	400	U	400
3-Nitroaniline	1300	U	400	U	400	400	U	400	410	U	410	650	UJ	650	620	U	620	460	U	460	660	UJ	660	990	U	990	940	U	940	510	U	510	630	U	630	910	U	910	780	U	780
Acenaphthene	650	U	210	U	210	210	U	210	210	U	210	330	U	330	320	U	320	240	U	240	340	U	340	510	U	510	480	U	480	260	U	260	330	U	330	470	U	470	400	U	400
2,4-Dinitrophenol	1300	U	400	U	400	400	U	400	410	U	410	650	UJ	650	620	U	620	460	U	460	660	UJ	660	990	U	990	940	U	940	510	U	510	630	U	630	910	U	910	780	U	780
4-Nitrophenol	1300	U	400	U	400	400	U	400	410	U	410	650	UJ	650	620	U	620	460	U	460	660	UJ	660	990	U	990	940	U	940	510	U	510	630	U	630	910	U	910	780	U	780
Dibenzofuran	650	U	210	U	210	210	U	210	210	U	210	330	U	330	320	U	320	240	U	240	340	U	340	510	U	510	480	U	480	260	U	260	330	U	330	470	U	470	400	U	400
2,4-Dinitrotoluene	650	U	210	U	210	210	U	210	210	U	210	330	U	330	320	U	320	240	U	240	340	U	340	510	U	510	480	U	480	260	U	260	330	U	330	470	U	470	400	U	400
Diethylphthalate	650	U	210	U	210	210	U	210	210	U	210	330	U	330	320	U	320	240	U	240	340	U	340	510	U	510	480	U	480	260	U	260	330	U	330	470	U	470	400	U	400
Fluorene	650	U	210	U	210	210	U	210	210	U	210	330	U	330	320	U	320	240	U	240	340	U	340	510	U	510	480	U	480	260	U	260	330	U	330	470	U	470	400	U	400
4-Chlorophenyl-phenylether	650	U	210	U	210	210	U	210	210	U	210	330	U	330	320	U	320	240	U	240	340	U	340	510	U	510	480	U	480	260	U	260	330	U	330	470	U	470	400	U	400
4-Nitroaniline	1300	U	400	U	400	400	U	400	410	U	410	650	UJ	650	620	U	620	460	U	460	660	UJ	660	990	U	990	940	U	940	510	U	510	630	U	630	910	U	910	780	U	780
4,6-Dinitro-2-methylphenol	1300	U	400	U	400	400	U	400	410	U	410	650	UJ	650	620	UJ	620	460	U	460	660	UJ	660	990	U	990	940	UJ	940	510	U	510	630	U	630	910	U	910	780	U	780
N-Nitrosodiphenylamine	650	U	210	U	210	210	U	210	210	U	210	330	U	330	320	U	320	240	U	240	340	U	340	510	U	510	480	U	480	260	U	260	330	U	330	470	U	470	400	U	400
1,2,4,5-Tetrachlorobenzene	650	U	210	U	210	210	U	210	210	U	210	330	U	330	320	U	320	240	U	240	340	U	340	510	U	510	480	U	480	260	U	260	330	U	330	470	U	470	400	U	400
4-Bromophenyl-phenylether	650	U	210	U	210	210	U	210	210	U	210	330	U	330	320	U	320	240	U	240	340	U	340	510	U	510	480	U	480	260	U	260	330	U	330	470	U	470	400	U	400
Hexachlorobenzene	650	U	210	U	210	210	U	210	210	U	210	330	U	330	320	U	320	240	U	240	340	U	340	510	U	510	480	U	480	260	U	260	330	U	330	470	U	470	400	U	400
Atrazine	1300	U	400	U	400	400	U	400	410	U	410	650	U	650	620	U	620	460	U	460	660	U	660	990	U	990	940	U	940	510	U	510	630	U	630	910	U	910	780	U	780
Pentachlorophenol	1300	U	400	U	400	400	U	400	410	U	410	650	U	650	620	U	620	460	U	460	660	U	660	990	U	990	940	U	940	510	U	510	630	U	630	910	U	910	780	U	780
Phenanthrene	650	U	210	U	210	210	U	210	210	U	210	330	U	330	320	U	320	240	U	240	340	U	340	510	U	510	480	U	480	260	U	260	70	J	330	470	U	470	110	J	400
Anthracene	650	U	210	U	210	210	U	210	210	U	210	330	U	330	320	U	320	240	U	240	340	U	340	510	U	510	480	U	480	260	U	260	160	J	330	470	U	470	400	U	400
Carbazole	1300	U	400	U	400	400	U	400	410	U	410	650	U	650	620	U	620	460	U	460	660	U	660	990	U	990	940	U	940	510	U	510	630	U	630	910	U	910	780	U	780
Di-n-butylphthalate	650	U	210	U	210	210	U	210	210	U	210	330	U	330	320	U	320	240	U	240	340	U	340	510	U	510	480	U	480	260	U	260	330	U	330	470	U	470	400	U	400
Fluoranthene	650	U	210	U	210	210	U	210	210	U	210	150	J	330	320	U	320	71	J	240	340	U	340	510	U	510	480	U	480	68	J	260	170	J	330	470	U	470	160	J	400
Pyrene	650	U	210	U	210	210	U	210	210	U	210	160	J	330	320	U	320	90	J	240	340	U	340	510	U	510	480	U	480	87	J	260	190	J	330	470	U	470	170	J	400
Butylbenzylphthalate	650	U	210	U	210	210	U	210	210	U	210	330	U	330	320	U	320	240	U	240	340	U	340	510	U	510	480	U	480	260	U	260	330	U	330	470	U	470	400	U	400
3,3-Dichlorobenzidine	1300	U	400	U	400	400	U	400	410	U	410	650	U	650	620	U	620	460	U	460	660	U	660	990	U	990	940	U	940	510	U	510	630	U	630	910	U	910	780	U	780
Benzo(a)anthracene	650	U	210	U	210	210	U	210	210	U	210	240	J	330	320	U	320	51	J	240	340	U	340	510	U	510	480	U	480	260	U	260	93	J	330	470	U	470	400	U	400
Chrysene	650	U	210	U	210	210	U	210	210	U	210	220	J	330	320	U	320	94	J	240	340	U	340	510	U	510	480	U	480	260	U	260	110	J	330	470	U	470	85	J	400
Bis(2-ethylhexyl)phthalate	650	U	210	U	210	210	U	210	210	U	210	330	U	330	98	J	320	240	U	240	340	U	340	510	U	510	480	U	480	260	U	260	330	U	330	120	J	470	360	J	400
Di-n-octyl phthalate	1300	U	400	U	400	400	U	400	410	U	410	650	U	650	620	U	620	460	U	460	660	U	660	990	U	990	940	U	940	510	U	510	630	U	630	910	U	910	780	U	780
Benzo(b)fluoranthene	650	U	210	U	210	210	U	210	210	U	210	260	J	330	320	U	320	88	J	240	340	U	340	510	U	510	480	U	480	260	U	260	78	J	330	470	U	470	87	J	400
Benzo(k)fluoranthene	650	U	210	U	210	210	U	210	210	U	210	120	J	330	320	U	320	240	U	240	340	U	340	510	U	510	480	U	480	260	U	260	330	U	330	470	U	470	400	U	400
Benzo(a)pyrene	650	U	210	U	210	210	U	210	210	U	210	240	J	330	320	U	320	62	J	240	340	U	340	510	U	510	480	U	480	260	U	260	76	J	330	470	U	470	400	U	400
Indeno(1,2,3-cd)pyrene	650	U	210	U	210	210	U	210	210	U	210	100	J	330	320	U	320	240	U	240	340	U	340	510	U	510	480	U	480	260	U	260	330	U	330	470	U	470	400	U	400
Dibenzo(a,h)anthracene	650	U	210	U	210	210	U	210	210	U	210	330	U	330	320	U	320	240	U	240	340	U	340	510	U	510	480	U	480	260	U	260	330	U	330	470	U	470	400	U	400
Benzo(g,h,i)perylene	650	U	210	U	210	210	U	210	210	U	210	90	J	330	320	U	320	240	U	240	340	U	340	510	U	510	480	U	480	260	U	260	330	U	330	470	U	470	400	U	400
2,3,4,6-Tetrachlorophenol	650	U	210	U	210	210	U	210	210	U	210	330	U	330	320	U	320	240	U	240	340	U	340	510	U	510	480	U	480	260	U	260	330	U	330	470	U	470	400	U	400
Total Organic Carbon	NA		373		250	404		250	658		250	11600		500	50600		500	9700		500	72600		500	48400		500	58100		500	18200		500	68800		500	82200		500	107000		500
Grain Size Distribution:																																									
Total Coarse (%)	NA		98.4			98.3			98.2			5.3			49.6			93.6			3.5			31			4.5			94.2			61.9			11.5			22.4		
Total Fines-Silt/Clay (%)			1.6			1.7			1.8			94.7			50.4			6.4			96.5			69			95.5			5.8			38.1			88.5			77.6		
Reference			30, pp. 29, 30, 171, 172; 51, pp. 8, 31			30, pp. 39, 40, 172, 173; 51, pp. 8, 32			30, pp. 45, 46, 173, 174; 51, pp. 8, 33			30, pp. 51, 52, 174, 175; 51, pp. 8, 47			30, pp. 57, 58, 175, 176; 51, pp. 8, 48			30, pp. 63, 64, 176, 177; 51, pp. 8, 9, 49			30, pp. 69, 70, 177, 178; 51, pp. 9, 50			30, pp. 77,78, 178, 179; 51, pp. 9, 51			30, pp. 83, 84, 179, 180; 51, pp. 9, 52			30, pp. 89, 90, 180, 181; 51, pp. 9, 53			30, pp. 95, 96, 181, 182; 51, pp. 9, 54			30, pp. 103, 104, 182, 183; 51, pp. 10, 55			30, pp. 109, 110, 183, 184; 51, pp. 10, 56		

All results are reported in micrograms per kilogram (µg/kg)
ft bss = feet below sediment surface
RDL = Reporting Detection Limit, equivalent to the adjusted Contract Required Quantitation limit (ACRQL)
Q = Validation Qualifier
Data Qualifiers:

U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the ACRQL for sample and method [Ref. 20, p. 2]
J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL) [Ref. 30, p. 2]. Values qualified J due to issues of quality control as determined by the Data Validator are not considered for selection of maximum background or for evaluation of observed release/observed contamination.
UJ = The analyte was not detected at a level greater than or equal to the ACRQL. However, the reported ACRQL is approximate and may be innacurate or imprecise [Ref. 30, p.2]

TABLE 2B
SEDIMENT ANALYTICAL DATA - SEMIVOLATILE ORGANIC COMPOUNDS
CONEY ISLAND CREEK

Sample Purpose:		Coney Island Creek Samples																																							
Field Sample ID:	3x Maximum	6100-SED05B			6100-SED05C			6100-SED06A			6100-SED06B			6100-SED06C			6100-SED07A			6100-SED07B			6100-SED07C			6100-SED26C			6100-SED08A			6100-SED08B			6100-SED08C			6100-SED09A		
CLP ID:	Background, or	BG571			BG572			BG573			BG574			BG575			BG576			BG577			BG578			BG515			BG579			BG580			BG581			BG582		
Date:	Highest Reportig	4/19/2021			4/19/2021			4/20/2021			4/20/2021			4/20/2021			4/26/2021			4/26/2021			4/26/2021			4/26/2021			4/23/2021			4/23/2021			4/23/2021			4/23/2021		
Depth Interval (ft bss):	Detection Limit	2 - 4			4 - 6			0 - 1.5			1.5 - 3			3 - 4.5			0 - 2			2 - 4			4 - 6			4 - 6			0 - 1.5			1.5 - 3			3 - 4.5			4 - 6		
Comments:																											Duplicate of 6100-SED07C															
SVOC	**Value**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**
1,4-Dioxane	260	U	210	U	210	210	UJ	210	82	U	82	82	U	82	89	U	89	200	U	200	180	U	180	150	U	150	180	U	180	93	U	93	85	U	85	85	U	85	110	U	110
Benzaldehyde	1300	U	1000	U	1000	1000	U	1000	400	U	400	400	U	400	440	U	440	1000	U	1000	890	U	890	740	U	740	890	U	890	460	U	460	420	U	420	420	U	420	540	U	540
Phenol	1300	U	130	J	1000	1000	U	1000	400	U	400	400	U	400	440	U	440	1000	U	1000	890	U	890	740	U	740	890	U	890	460	U	460	420	U	420	420	U	420	89	J	540
Bis(2-Chloroethyl)ether	1300	U	1000	U	1000	1000	U	1000	400	U	400	400	U	400	440	U	440	1000	U	1000	890	U	890	740	U	740	890	U	890	460	U	460	420	U	420	420	U	420	540	U	540
2-Chlorophenol	650	U	530	U	530	520	U	520	210	U	210	210	U	210	230	U	230	520	U	520	460	U	460	380	U	380	460	U	460	240	U	240	220	U	220	220	U	220	280	U	280
2-Methylphenol	1300	U	1000	U	1000	1000	U	1000	400	U	400	400	U	400	440	U	440	1000	U	1000	890	U	890	740	U	740	890	U	890	460	U	460	420	U	420	420	U	420	540	U	540
2,2-oxybis(1-Chloropropane)	1300	U	1000	U	1000	1000	U	1000	400	U	400	400	U	400	440	U	440	1000	U	1000	890	U	890	740	U	740	890	U	890	460	U	460	420	U	420	420	U	420	540	U	540
Acetophenone	1300	U	1000	U	1000	1000	U	1000	400	U	400	400	U	400	440	U	440	1000	U	1000	890	U	890	740	U	740	890	U	890	460	U	460	420	U	420	420	U	420	540	U	540
4-Methylphenol	1300	U	1000	U	1000	1000	U	1000	400	U	400	400	U	400	440	U	440	1000	U	1000	890	U	890	740	U	740	890	U	890	460	U	460	420	U	420	420	U	420	79	J	540
N-Nitroso-di-n-propylamine	650	U	530	U	530	520	U	520	210	U	210	210	U	210	230	U	230	520	U	520	460	U	460	380	U	380	460	U	460	240	U	240	220	U	220	220	U	220	280	U	280
Hexachloroethane	650	U	530	U	530	520	U	520	210	U	210	210	U	210	230	U	230	520	U	520	460	U	460	380	U	380	460	U	460	240	U	240	220	U	220	220	U	220	280	U	280
Nitrobenzene	650	U	530	U	530	520	U	520	210	U	210	210	U	210	230	U	230	520	U	520	460	U	460	380	U	380	460	U	460	240	U	240	220	U	220	220	U	220	280	U	280
Isophorone	650	U	530	U	530	520	U	520	210	U	210	210	U	210	230	U	230	520	U	520	460	U	460	380	U	380	460	U	460	240	U	240	220	U	220	220	U	220	280	U	280
2-Nitrophenol	650	U	530	U	530	520	U	520	210	U	210	210	U	210	230	U	230	520	U	520	460	U	460	380	U	380	460	U	460	240	U	240	220	U	220	220	U	220	280	U	280
2,4-Dimethylphenol	650	U	530	U	530	520	U	520	210	U	210	210	U	210	230	U	230	520	U	520	460	U	460	380	U	380	460	U	460	240	U	240	220	U	220	220	U	220	280	U	280
Bis(2-Chloroethoxy)methane	650	U	530	U	530	520	U	520	210	U	210	210	U	210	230	U	230	520	U	520	460	U	460	380	U	380	460	U	460	240	U	240	220	U	220	220	U	220	280	U	280
2,4-Dichlorophenol	650	U	530	U	530	520	U	520	210	U	210	210	U	210	230	U	230	520	U	520	460	U	460	380	U	380	460	U	460	240	U	240	220	U	220	220	U	220	280	U	280
Naphthalene	650	U	530	U	530	520	U	520	210	U	210	210	U	210	230	U	230	520	U	520	460	U	460	380	U	380	460	U	460	240	U	240	220	U	220	220	U	220	74	J	280
4-Chloroaniline	1300	U	1000	U	1000	1000	U	1000	400	U	400	400	U	400	440	U	440	1000	U	1000	890	U	890	740	U	740	890	U	890	460	U	460	420	U	420	420	U	420	540	U	540
Hexachlorobutadiene	650	U	530	U	530	520	U	520	210	U	210	210	U	210	230	U	230	520	U	520	460	U	460	380	U	380	460	U	460	240	U	240	220	U	220	220	U	220	280	U	280
Caprolactam	1300	U	1000	U	1000	1000	U	1000	400	U	400	400	U	400	440	U	440	1000	U	1000	890	U	890	740	U	740	890	U	890	460	U	460	420	U	420	420	U	420	540	U	540
4-Chloro-3-methylphenol	650	U	530	U	530	520	U	520	210	U	210	210	U	210	230	U	230	520	U	520	460	U	460	380	U	380	460	U	460	240	U	240	220	U	220	220	U	220	280	U	280
1-Methylnaphthalene	650	U	530	U	530	520	U	520	210	U	210	210	U	210	230	U	230	520	U	520	460	U	460	380	U	380	460	U	460	240	U	240	220	U	220	220	U	220	280	U	280
2-Methylnaphthalene	650	U	530	U	530	520	U	520	210	U	210	210	U	210	230	U	230	520	U	520	460	U	460	380	U	380	460	U	460	240	U	240	220	U	220	220	U	220	70	J	280
Hexachlorocyclopentadiene	1300	U	1000	U	1000	1000	U	1000	400	U	400	400	U	400	440	U	440	1000	U	1000	890	U	890	740	U	740	890	U	890	460	U	460	420	U	420	420	U	420	540	U	540
2,4,6-Trichlorophenol	650	U	530	U	530	520	U	520	210	U	210	210	U	210	230	U	230	520	U	520	460	U	460	380	U	380	460	U	460	240	U	240	220	U	220	220	U	220	280	U	280
2,4,5-Trichlorophenol	650	U	530	U	530	520	U	520	210	U	210	210	U	210	230	U	230	520	U	520	460	U	460	380	U	380	460	U	460	240	U	240	220	U	220	220	U	220	280	U	280
1,1-Biphenyl	650	U	530	U	530	520	U	520	210	U	210	210	U	210	230	U	230	520	U	520	460	U	460	380	U	380	460	U	460	240	U	240	220	U	220	220	U	220	280	U	280
2-Chloronaphthalene	650	U	530	U	530	520	U	520	210	U	210	210	U	210	230	U	230	520	U	520	460	U	460	380	U	380	460	U	460	240	U	240	220	U	220	220	U	220	280	U	280
2-Nitroaniline	650	U	530	U	530	520	U	520	210	U	210	210	U	210	230	U	230	520	UJ	520	460	UJ	460	380	UJ	380	460	UJ	460	240	UJ	240	220	U	220	220	UJ	220	280	U	280
Dimethylphthalate	1770		400	J	530	220	J	520	320		210	180	J	210	270		230	520	U	520	460	U	460	380	U	380	460	U	460	240	U	240	220	U	220	220	U	220	280	U	280
2,6-Dinitrotoluene	650	U	530	U	530	520	U	520	210	U	210	210	U	210	230	U	230	520	U	520	460	U	460	380	U	380	460	U	460	240	U	240	220	U	220	220	U	220	280	U	280
Acenaphthylene	650	U	530	U	530	520	U	520	210	U	210	210	U	210	230	U	230	520	U	520	460	U	460	380	U	380	460	U	460	240	U	240	220	U	220	220	U	220	280	U	280
3-Nitroaniline	1300	U	1000	U	1000	1000	U	1000	400	U	400	400	U	400	440	U	440	1000	UJ	1000	890	UJ	890	740	UJ	740	890	UJ	890	460	UJ	460	420	U	420	420	UJ	420	540	U	540
Acenaphthene	650	U	530	U	530	520	U	520	210	U	210	210	U	210	230	U	230	520	U	520	460	U	460	380	U	380	460	U	460	240	U	240	220	U	220	220	U	220	81	J	280
2,4-Dinitrophenol	1300	U	1000	U	1000	1000	U	1000	400	U	400	400	U	400	440	U	440	1000	UJ	1000	890	UJ	890	740	UJ	740	890	UJ	890	460	UJ	460	420	U	420	420	UJ	420	540	U	540
4-Nitrophenol	1300	U	1000	U	1000	1000	U	1000	400	U	400	400	U	400	440	U	440	1000	UJ	1000	890	UJ	890	740	UJ	740	890	UJ	890	460	UJ	460	420	U	420	420	UJ	420	540	U	540
Dibenzofuran	650	U	530	U	530	520	U	520	210	U	210	210	U	210	230	U	230	520	U	520	460	U	460	380	U	380	460	U	460	240	UJ	240	220	U	220	220	U	220	280	U	280
2,4-Dinitrotoluene	650	U	530	U	530	520	U	520	210	U	210	210	U	210	230	U	230	520	U	520	460	U	460	380	U	380	460	U	460	240	U	240	220	U	220	220	U	220	280	U	280
Diethylphthalate	650	U	530	U	530	520	U	520	210	U	210	210	U	210	230	U	230	520	U	520	460	U	460	380	U	380	460	U	460	240	U	240	220	U	220	220	U	220	280	U	280
Fluorene	650	U	530	U	530	520	U	520	210	U	210	210	U	210	230	U	230	520	U	520	460	U	460	380	U	380	460	U	460	240	UJ	240	220	U	220	220	U	220	280	U	280
4-Chlorophenyl-phenylether	650	U	530	U	530	520	U	520	210	U	210	210	U	210	230	U	230	520	U	520	460	U	460	380	U	380	460	U	460	240	UJ	240	220	U	220	220	U	220	280	U	280
4-Nitroaniline	1300	U	1000	U	1000	1000	U	1000	400	U	400	400	U	400	440	U	440	1000	UJ	1000	890	UJ	890	740	UJ	740	890	UJ	890	460	UJ	460	420	U	420	420	UJ	420	540	U	540
4,6-Dinitro-2-methylphenol	1300	U	1000	U	1000	1000	U	1000	400	U	400	400	U	400	440	U	440	1000	UJ	1000	890	UJ	890	740	UJ	740	890	UJ	890	460	UJ	460	420	U	420	420	U	420	540	U	540
N-Nitrosodiphenylamine	650	U	530	U	530	520	U	520	210	U	210	210	U	210	230	U	230	520	U	520	460	U	460	380	U	380	460	U	460	240	U	240	220	U	220	220	U	220	280	U	280
1,2,4,5-Tetrachlorobenzene	650	U	530	U	530	520	U	520	210	U	210	210	U	210	230	U	230	520	U	520	460	U	460	380	U	380	460	U	460	240	U	240	220	U	220	220	U	220	280	U	280
4-Bromophenyl-phenylether	650	U	530	U	530	520	U	520	210	U	210	210	U	210	230	U	230	520	U	520	460	U	460	380	U	380	460	U	460	240	UJ	240	220	U	220	220	U	220	280	U	280
Hexachlorobenzene	650	U	530	U	530	520	U	520	210	U	210	210	U	210	230	U	230	520	U	520	460	U	460	380	U	380	460	U	460	240	U	240	220	U	220	220	U	220	280	U	280
Atrazine	1300	U	1000	U	1000	1000	U	1000	400	U	400	400	U	400	440	U	440	1000	U	1000	890	U	890	740	U	740	890	U	890	460	U	460	420	U	420	420	U	420	540	U	540
Pentachlorophenol	1300	U	1000	U	1000	1000	U	1000	400	U	400	400	U	400	440	U	440	1000	U	1000	890	U	890	740	U	740	890	U	890	460	U	460	420	U	420	420	U	420	540	U	540
Phenanthrene	650	U	530	U	530	520	U	520	210	U	210	210	U	210	230	U	230	520	U	520	460	U	460	380	U	380	460	U	460	47	J	240	220	U	220	42	J	220	480		280
Anthracene	650	U	530	U	530	520	U	520	210	U	210	210	U	210	230	U	230	520	U	520	460	U	460	380	U	380	460	U	460	240	U	240	220	U	220	220	U	220	110	J	280
Carbazole	1300	U	1000	U	1000	1000	U	1000	400	U	400	400	U	400	440	U	440	1000	U	1000	890	U	890	740	U	740	890	U	890	460	UJ	460	420	U	420	420	U	420	540	U	540
Di-n-butylphthalate	650	U	530	U	530	520	U	520	210	U	210	210	U	210	230	U	230	520	U	520	460	U	460	380	U	380	460	U	460	240	U	240	220	U	220	220	U	220	280	U	280
Fluoranthene	650	U	530	U	530	520	U	520	210	U	210	210	U	210	230	U	230	520	U	520	460	U	460	380	U	380	460	U	460	120	J	240	220	U	220	120	J	220	1000		280
Pyrene	650	U	530	U	530	520	U	520	210	U	210	210	U	210	230	U	230	520	U	520	460	U	460	380	U	380	460	U	460	250		240	44	J	220	130	J	220	990		280
Butylbenzylphthalate	650	U	530	U	530	520	U	520	210	U	210	210	U	210	230	U	230	520	U	520	460	U	460	380	U	380	460	U	460	240	U	240	220	U	220	220	U	220	280	U	280
3,3-Dichlorobenzidine	1300	U	1000	U	1000	1000	U	1000	400	U	400	400	U	400	440	U	440	1000	U	1000	890	U	890	740	U	740	890	U	890	460	U	460	420	U	420	420	U	420	540	U	540
Benzo(a)anthracene	650	U	530	U	530	520	U	520	210	U	210	210	U	210	230	U	230	520	U	520	460	U	460	380	U	380	460	U	460	73	J	240	220	U	220	59	J	220	350		280
Chrysene	650	U	530	U	530	520	U	520	210	U	210	210	U	210	230	U	230	520	U	520	460	U	460	380	U	380	460	U	460	85	J	240	220	U	220	60	J	220	450		280
Bis(2-ethylhexyl)phthalate	650	U	270	J	530	520	U	520	210	U	210	210	U	210	230	U	230	110	J	520	170	J	460	78	J	380	160	J	460	95	J	240	220	U	220	45	J	220	970		280
Di-n-octyl phthalate	1300	U	1000	U	1000	1000	U	1000	400	U	400	400	U	400	440	U	440	1000	U	1000	890	U	890	740	U	740	890	U	890	460	U	460	420	U	420	420	U	420	540	U	540
Benzo(b)fluoranthene	650	U	530	U	530	520	U	520	210	U	210	210	U	210	230	U	230	520	U	520	460	U	460	380	U	380	460	U	460	91	J	240	220	U	220	65	J	220	410		280
Benzo(k)fluoranthene	650	U	530	U	530	520	U	520	210	U	210	210	U	210	230	U	230	520	U	520	460	U	460	380	U	380	460	U	460	240	U	240	220	U	220	220	U	220	120	J	280
Benzo(a)pyrene	650	U	530	U	530	520	U	520	210	U	210	210	U	210	230	U	230	520	U	520	460	U	460	380	U	380	460	U	460	96	J	240	220	U	220	55	J	220	300		280
Indeno(1,2,3-cd)pyrene	650	U	530	U	530	520	U	520	210	U	210	210	U	210	230	U	230	520	U	520	460	U	460	380	U	380	460	U	460	240	U	240	220	U	220	220	U	220	160	J	280
Dibenzo(a,h)anthracene	650	U	530	U	530	520	U	520	210	U	210	210	U	210	230	U	230	520	U	520	460	U	460	380	U	380	460	U	460	240	U	240	220	U	220	220	U	220	57	J	280
Benzo(g,h,i)perylene	650	U	530	U	530	520	U	520	210	U	210	210	U	210	230	U	230	520	U	520	460	U	460	380	U	380	460	U	460	54	J	240	220	U	220	220	U	220	200	J	280
2,3,4,6-Tetrachlorophenol	650	U	530	U	530	520	U	520	210	U	210	210	U	210	230	U	230	520	U	520	460	U	460	380	U	380	460	U	460	240	U	240	220	U	220	220	U	220	280	U	280
Total Organic Carbon	NA	129000		500	92200		500	2480		250	2310		250	2220		250	98800		500	132000		500	95000		500	114000		500	9540		250	5600		250	12500		250	46300		500
Grain Size Distribution:																																									
Total Coarse (%)	NA	3			3.4			93.5			89.5			95			4.8			8.5			21.1						89.7			96			91			68.7		
Total Fines-Silt/Clay (%)		97			96.6			6.5			10.5			5			95.2			91.5			78.9						10.3			4			9			31.3		
Reference		30, pp. 117, 118, 184, 185; 51, pp. 10, 57			30, pp. 125, 126, 185, 186; 51, pp. 10, 58			31, pp. 113, 114, 195, 196; 51, pp. 10, 89			31, pp. 119, 120, 196, 197; 51, pp. 10, 11, 90			31, pp. 125, 126, 197, 198; 51, pp. 11, 91			32, pp. 37, 38, 218, 219; 51, pp. 13, 170			32, pp. 49, 50, 219, 220; 51, pp. 14, 171			32, pp. 57, 58, 220, 221; 51, pp. 14, 172			32, pp. 31, 32, 217, 218; 51, p. 168			32, pp. 63, 64, 221, 222; 51, pp. 14, 119			32, pp. 69, 70, 222, 223; 51, pp. 14, 120			32, pp. 75, 76, 223, 224; 51, pp. 14, 121			32, pp. 81, 82, 224, 225; 51, pp. 14, 15, 126		

All results are reported in micrograms per kilogram (µg/kg)
ft bss = feet below sediment surface
RDL = Reporting Detection Limit, equivalent to the adjusted Contract Required Quantitation limit (ACRQL)
Q = Validation Qualifier
Data Qualifiers:

U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the ACRQL for sample and method [Ref. 30, p. 2]
J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL) [Ref. 30, p. 2]. Values qualified J due to issues of quality control as determined by the Data Validator are not considered for selection of maximum background or for evaluation of observed release/observed contamination.
UJ = The analyte was not detected at a level greater than or equal to the ACRQL. However, the reported ACRQL is approximate and may be innacurate or imprecise [Ref. 30, p. 2]

YELLOW HIGHLIGHT indicates that the result meets observed release criteria (≥ 3x maximum background, or ≥ highest RDL if no background detections)

TABLE 2B
SEDIMENT ANALYTICAL DATA - SEMIVOLATILE ORGANIC COMPOUNDS
CONEY ISLAND CREEK

Sample Purpose:		Coney Island Creek Samples																																	
Field Sample ID:	3x Maximum	6100-SED09B			6100-SED26B			6100-SED09C			6100-SED10A			6100-SED10B			6100-SED10C			6100-SED11A			6100-SED11B			6100-SED11C			6100-SED12A			6100-SED12B			6100-SED13A			6100-SED13B		
CLP ID:	Background, or	BG583			BG514			BG584			BG585			BG586			BG587			BG588			BG589			BG590			BG591			BG592			BG594			BG595		
Date:	Highest Reportig	4/23/2021			4/23/2021			4/23/2021			4/26/2021			4/26/2021			4/26/2021			4/26/2021			4/26/2021			4/26/2021			4/26/2021			4/26/2021			4/26/2021			4/26/2021		
Depth Interval (ft bss):	Detection Limit	2 - 4			2 - 4			0 - 2			0 - 1.8			1.8 - 3.6			3.6 - 5.5			0 - 1.1			1.1 - 2.4			2.4 - 3.4			0 - 1.2			1.2 - 2.4			0 - 2			2 - 4		
Comments:					Duplicate of 6100-SED09B																																		
SVOC	**Value**	**Q**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**
1,4-Dioxane	260	U	110	U	110	88	U	88	110	U	110	150	U	150	160	U	160	87	U	87	78	U	78	82	U	82	94	UJ	94	90	U	90	79	U	79	150	U	150	140	UJ	140
Benzaldehyde	1300	U	550	U	550	430	U	430	540	U	540	750	U	750	770	U	770	430	U	430	390	U	390	400	U	400	460	U	460	450	U	450	390	U	390	730	U	730	710	U	710
Phenol	1300	U	62	J	550	430	U	430	75	J	540	750	U	750	89	J	770	430	U	430	390	U	390	400	U	400	460	U	460	450	U	450	390	U	390	730	U	730	710	U	710
Bis(2-Chloroethyl)ether	1300	U	550	U	550	430	U	430	540	U	540	750	U	750	770	U	770	430	U	430	390	U	390	400	U	400	460	U	460	450	U	450	390	U	390	730	U	730	710	U	710
2-Chlorophenol	650	U	280	U	280	220	U	220	280	U	280	390	U	390	400	U	400	220	U	220	200	U	200	210	U	210	240	U	240	230	U	230	200	U	200	380	U	380	370	U	370
2-Methylphenol	1300	U	550	U	550	430	U	430	540	U	540	750	U	750	770	U	770	430	U	430	390	U	390	400	U	400	460	U	460	450	U	450	390	U	390	730	U	730	710	U	710
2,2-oxybis(1-Chloropropane)	1300	U	550	U	550	430	U	430	540	U	540	750	U	750	770	U	770	430	U	430	390	U	390	400	U	400	460	U	460	450	U	450	390	U	390	730	U	730	710	U	710
Acetophenone	1300	U	550	U	550	430	U	430	77	J	540	750	U	750	770	U	770	430	U	430	390	U	390	46	J	400	460	U	460	450	U	450	390	U	390	730	U	730	710	U	710
4-Methylphenol	1300	U	550	U	550	430	U	430	540	U	540	750	U	750	770	U	770	430	U	430	390	U	390	400	U	400	460	U	460	450	U	450	390	U	390	730	U	730	710	U	710
N-Nitroso-di-n-propylamine	650	U	280	U	280	220	U	220	280	U	280	390	U	390	400	U	400	220	U	220	200	U	200	210	U	210	240	U	240	230	U	230	200	U	200	380	U	380	370	U	370
Hexachloroethane	650	U	280	U	280	220	U	220	280	U	280	390	U	390	400	U	400	220	U	220	200	U	200	210	U	210	240	U	240	230	U	230	200	U	200	380	U	380	370	U	370
Nitrobenzene	650	U	280	U	280	220	U	220	280	U	280	390	U	390	400	U	400	220	U	220	200	U	200	210	U	210	240	U	240	230	U	230	200	U	200	380	U	380	370	U	370
Isophorone	650	U	280	U	280	220	U	220	280	U	280	390	U	390	400	U	400	220	U	220	200	U	200	210	U	210	240	U	240	230	U	230	200	U	200	380	U	380	370	U	370
2-Nitrophenol	650	U	280	U	280	220	U	220	280	U	280	390	U	390	400	U	400	220	U	220	200	U	200	210	U	210	240	U	240	230	U	230	200	U	200	380	U	380	370	U	370
2,4-Dimethylphenol	650	U	280	U	280	220	U	220	280	U	280	390	U	390	400	U	400	220	U	220	200	U	200	210	U	210	240	U	240	230	U	230	200	U	200	380	U	380	370	U	370
Bis(2-Chloroethoxy)methane	650	U	280	U	280	220	U	220	280	U	280	390	U	390	400	U	400	220	U	220	200	U	200	210	U	210	240	U	240	230	U	230	200	U	200	380	U	380	370	U	370
2,4-Dichlorophenol	650	U	280	U	280	220	U	220	280	U	280	390	U	390	400	U	400	220	U	220	200	U	200	210	U	210	240	U	240	230	U	230	200	U	200	380	U	380	370	U	370
Naphthalene	650	U	280	U	280	220	U	220	550		280	390	U	390	400	U	400	220	U	220	200	U	200	210	U	210	240	U	240	270		230	200		200	380	U	380	240	J	370
4-Chloroaniline	1300	U	100	J	550	430	U	430	540	U	540	750	U	750	770	U	770	430	U	430	390	U	390	400	U	400	460	U	460	450	U	450	390	U	390	730	U	730	710	U	710
Hexachlorobutadiene	650	U	280	U	280	220	U	220	280	U	280	390	U	390	400	U	400	220	U	220	200	U	200	210	U	210	240	U	240	230	U	230	200	U	200	380	U	380	370	U	370
Caprolactam	1300	U	550	U	550	430	U	430	540	U	540	750	U	750	770	U	770	430	U	430	390	U	390	400	U	400	460	U	460	450	U	450	390	U	390	730	U	730	710	U	710
4-Chloro-3-methylphenol	650	U	280	U	280	220	U	220	280	U	280	390	U	390	400	U	400	220	U	220	200	U	200	210	U	210	240	U	240	230	U	230	200	U	200	380	U	380	370	U	370
1-Methylnaphthalene	650	U	61		280	220	U	220	80		280	390	U	390	400	U	400	220	U	220	200	U	200	210	U	210	240	U	240	140		230	42		200	110		380	190	J	370
2-Methylnaphthalene	650	U	76	J	280	220	U	220	150	J	280	390	U	390	400	U	400	220	U	220	200	U	200	210	U	210	240	U	240	150	J	230	57	J	200	380	U	380	110	J	370
Hexachlorocyclopentadiene	1300	U	550	U	550	430	U	430	540	U	540	750	U	750	770	U	770	430	U	430	390	U	390	400	U	400	460	U	460	450	U	450	390	U	390	730	U	730	710	U	710
2,4,6-Trichlorophenol	650	U	280	U	280	220	U	220	280	U	280	390	U	390	400	U	400	220	U	220	200	U	200	210	U	210	240	U	240	230	U	230	200	U	200	380	U	380	370	U	370
2,4,5-Trichlorophenol	650	U	280	U	280	220	U	220	280	U	280	390	U	390	400	U	400	220	U	220	200	U	200	210	U	210	240	U	240	230	U	230	200	U	200	380	U	380	370	U	370
1,1-Biphenyl	650	U	280	U	280	220	U	220	280	U	280	390	U	390	400	U	400	220	U	220	200	U	200	210	U	210	240	U	240	230	U	230	200	U	200	380	U	380	370	U	370
2-Chloronaphthalene	650	U	280	U	280	220	U	220	280	U	280	390	U	390	400	U	400	220	U	220	200	U	200	210	U	210	240	U	240	230	U	230	200	U	200	380	U	380	370	U	370
2-Nitroaniline	650	U	280	U	280	220	U	220	280	U	280	390	U	390	400	UJ	400	220	UJ	220	200	UJ	200	210	UJ	210	240	UJ	240	230	U	230	200	UJ	200	380	U	380	370	U	370
Dimethylphthalate	1770		63	J	280	77	J	220	56	J	280	390	U	390	400	U	400	50	J	220	57	J	200	50	J	210	240	U	240	230	U	230	200	U	200	380	U	380	130	J	370
2,6-Dinitrotoluene	650	U	280	U	280	220	U	220	280	U	280	390	U	390	400	U	400	220	U	220	200	U	200	210	U	210	240	U	240	230	U	230	200	U	200	380	U	380	370	U	370
Acenaphthylene	650	U	280	U	280	220	U	220	280	U	280	390	U	390	400	U	400	220	U	220	200	U	200	210	U	210	240	U	240	230	U	230	200	U	200	380	U	380	230	J	370
3-Nitroaniline	1300	U	550	U	550	430	U	430	540	U	540	750	U	750	770	UJ	770	430	UJ	430	390	UJ	390	400	UJ	400	460	UJ	460	450	U	450	390	UJ	390	730	U	730	710	U	710
Acenaphthene	650	U	280	U	280	230		220	350		280	390	U	390	400	U	400	71	J	220	200	U	200	210	U	210	240	U	240	350		230	140	J	200	97	J	380	250	J	370
2,4-Dinitrophenol	1300	U	550	U	550	430	U	430	540	U	540	750	U	750	770	UJ	770	430	UJ	430	390	UJ	390	400	UJ	400	460	UJ	460	450	U	450	390	UJ	390	730	U	730	710	U	710
4-Nitrophenol	1300	U	550	U	550	430	U	430	540	U	540	750	U	750	770	UJ	770	430	UJ	430	390	UJ	390	400	UJ	400	460	UJ	460	450	U	450	390	UJ	390	730	U	730	710	U	710
Dibenzofuran	650	U	280	U	280	220	U	220	310		280	390	U	390	400	U	400	220	U	220	200	U	200	210	U	210	240	U	240	110	J	230	100	J-	200	380	U	380	370	U	370
2,4-Dinitrotoluene	650	U	280	U	280	220	U	220	280	U	280	390	U	390	400	U	400	220	U	220	200	U	200	210	U	210	240	U	240	230	U	230	200	U	200	380	U	380	370	U	370
Diethylphthalate	650	U	280	U	280	220	U	220	280	U	280	390	U	390	400	U	400	220	U	220	200	U	200	210	U	210	240	U	240	230	U	230	200	U	200	380	U	380	370	U	370
Fluorene	650	U	280	U	280	120	J	220	290		280	390	U	390	400	U	400	220	U	220	200	U	200	210	U	210	240	U	240	210	J	230	140	J-	200	94	J	380	260	J	370
4-Chlorophenyl-phenylether	650	U	280	U	280	220	U	220	280	U	280	390	U	390	400	U	400	220	U	220	200	U	200	210	U	210	240	U	240	230	U	230	200	UJ	200	380	U	380	370	U	370
4-Nitroaniline	1300	U	550	U	550	430	U	430	540	U	540	750	U	750	770	UJ	770	430	UJ	430	390	UJ	390	400	UJ	400	460	UJ	460	450	U	450	390	UJ	390	730	U	730	710	U	710
4,6-Dinitro-2-methylphenol	1300	U	550	U	550	430	U	430	540	U	540	750	U	750	770	UJ	770	430	UJ	430	390	U	390	400	UJ	400	460	UJ	460	450	U	450	390	UJ	390	730	U	730	710	UJ	710
N-Nitrosodiphenylamine	650	U	280	U	280	220	U	220	280	U	280	390	U	390	400	U	400	220	U	220	200	U	200	210	U	210	240	U	240	230	U	230	200	U	200	380	U	380	370	U	370
1,2,4,5-Tetrachlorobenzene	650	U	280	U	280	220	U	220	280	U	280	390	U	390	400	U	400	220	U	220	200	U	200	210	U	210	240	U	240	230	U	230	200	U	200	380	U	380	370	U	370
4-Bromophenyl-phenylether	650	U	280	U	280	220	U	220	280	U	280	390	U	390	400	U	400	220	U	220	200	U	200	210	U	210	240	U	240	230	U	230	200	UJ	200	380	U	380	370	U	370
Hexachlorobenzene	650	U	280	U	280	220	U	220	280	U	280	390	U	390	400	U	400	220	U	220	200	U	200	210	U	210	240	U	240	230	U	230	200	U	200	380	U	380	370	U	370
Atrazine	1300	U	550	U	550	430	U	430	540	U	540	750	U	750	770	U	770	430	U	430	390	U	390	400	U	400	460	U	460	450	U	450	390	U	390	730	U	730	710	U	710
Pentachlorophenol	1300	U	550	U	550	430	U	430	540	U	540	750	U	750	770	U	770	430	U	430	390	U	390	400	U	400	460	U	460	450	U	450	390	U	390	730	U	730	710	U	710
Phenanthrene	650	U	130	J	280	2200		220	2600		280	140	J	390	400	U	400	260		220	200	U	200	210	U	210	59	J	240	1900		230	1300		200	690		380	1800		370
Anthracene	650	U	280	U	280	470		220	290		280	390	U	390	400	U	400	79	J	220	200	U	200	210	U	210	240	U	240	310		230	220		200	170	J	380	700		370
Carbazole	1300	U	550	U	550	390	J	430	260	J	540	750	U	750	770	U	770	430	U	430	390	U	390	400	U	400	460	U	460	170	J	450	120	J-	390	730	U	730	710	U	710
Di-n-butylphthalate	650	U	280	U	280	220	U	220	280	U	280	390	U	390	400	U	400	220	U	220	200	U	200	210	U	210	240	U	240	230	U	230	200	U	200	380	U	380	370	U	370
Fluoranthene	650	U	370		280	4500	J	1100	3100		280	210	J	390	260	J	400	430		220	200	U	200	71	J	210	270		240	2400	J	230	1600		200	710	J	380	2700		370
Pyrene	650	U	380		280	3700		1100	2300		280	270	J	390	250	J	400	460		220	48	J	200	74	J	210	300		240	2000		230	1200		200	990		380	3300		370
Butylbenzylphthalate	650	U	120	J	280	220	U	220	81	J	280	390	U	390	400	U	400	220	U	220	200	U	200	210	U	210	240	U	240	230	U	230	200	U	200	380	U	380	370	U	370
3,3-Dichlorobenzidine	1300	U	550	U	550	430	U	430	540	U	540	750	U	750	770	U	770	430	U	430	390	U	390	400	U	400	460	U	460	450	U	450	390	U	390	730	U	730	710	U	710
Benzo(a)anthracene	650	U	130	J	280	2100		220	1000		280	110	J	390	400	U	400	140	J	220	200	U	200	210	U	210	110	J	240	1100		230	510		200	400		380	1800		370
Chrysene	650	U	160	J	280	2100		220	1200		280	100	J	390	100	J	400	160	J	220	200	U	200	210	U	210	120	J	240	1000		230	480		200	460		380	1700		370
Bis(2-ethylhexyl)phthalate	650	U	2500		280	790		220	2100		280	90	J	390	2200		400	480		220	61	J	200	590		210	110	J	240	100	J	230	44	J	200	76	J	380	370	U	370
Di-n-octyl phthalate	1300	U	550	U	550	430	U	430	540	U	540	750	U	750	770	U	770	430	U	430	390	U	390	400	U	400	460	U	460	450	U	450	390	U	390	730	U	730	710	U	710
Benzo(b)fluoranthene	650	U	180	J	280	2900		220	1400		280	110	J	390	85	J	400	150	J	220	200	U	200	210	U	210	110	J	240	1400		230	540		200	330	J	380	1500		370
Benzo(k)fluoranthene	650	U	58	J	280	820		220	400		280	390	U	390	400	U	400	220	U	220	200	U	200	210	U	210	240	U	240	430		230	150	J	200	100	J	380	360	J	370
Benzo(a)pyrene	650	U	130	J	280	2300		220	890		280	95	J	390	400	U	400	100	J	220	200	U	200	210	U	210	87	J	240	1100		230	390		200	340	J	380	1600		370
Indeno(1,2,3-cd)pyrene	650	U	69	J	280	1200		220	460		280	390	U	390	400	U	400	51	J	220	200	U	200	210	U	210	240	U	240	600		230	190	J	200	140	J	380	560		370
Dibenzo(a,h)anthracene	650	U	280	U	280	380		220	160	J	280	390	U	390	400	U	400	220	U	220	200	U	200	210	U	210	240	U	240	180	J	230	60	J	200	380	U	380	210	J	370
Benzo(g,h,i)perylene	650	U	87	J	280	1300		220	500		280	390	U	390	400	U	400	62	J	220	200	U	200	210	U	210	240	U	240	590		230	180	J	200	170	J	380	660		370
2,3,4,6-Tetrachlorophenol	650	U	280	U	280	220	U	220	280	U	280	390	U	390	400	U	400	220	U	220	200	U	200	210	U	210	240	U	240	230	U	230	200	U	200	380	U	380	370	U	370
Total Organic Carbon	NA		73700		500	41800		500	127000		500	106000		500	181000		500	30900		500	17900		500	28700		500	84400		500	19300		500	11000		500	116000		500	112000		500
Grain Size Distribution:																																									
Total Coarse (%)	NA		77			74.4			60			41.8			38.9			91.9			95.7			89.6			80.8			95			96.3			47.4			45		
Total Fines-Silt/Clay (%)			23			25.6			40			58.2			61.1			8.1			4.3			10.4			19.2			5			3.7			52.6			55		
Reference			32, pp. 89, 90, 226; 51, pp. 15, 127			32, pp. 23, 24, 216, 217; 51, pp. 18, 125			32, pp. 97, 98, 227, 228; 51, pp. 15, 128			32, pp. 103, 104, 228, 229; 51, pp. 15, 173			32, pp. 111, 112, 229, 230; 51, pp. 15, 174			32, pp. 117, 118, 230, 231; 51, pp. 15, 175			32, pp. 123, 124, 231, 232; 51, pp. 16, 176			32, pp. 129, 130, 232, 233; 51, pp. 16, 177			32, pp. 135, 136, 233, 234; 51, pp. 16, 178			32, pp. 141, 142, 234, 235; 51, pp. 16, 179			32, pp. 147, 148, 235, 236; 51, pp. 16, 180			32, pp. 153, 154, 237; 51, pp. 16, 17, 181			35, pp. 29, 30, 93, 94; 51, pp. 17, 182		

All results are reported in micrograms per kilogram (µg/kg)
ft bss = feet below sediment surface
RDL = Reporting Detection Limit, equivalent to the adjusted Contract Required Quantitation limit (ACRQL)
Q = Validation Qualifier
Data Qualifiers:

U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the ACRQL for sample and method [Ref. 32, p. 2]
J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL) [Ref. 32, p. 2]. Values qualified J due to issues of quality control as determined by the Data Validator are not considered for selection of maximum background or for evaluation of observed release/observed contamination.
J- = The result is an estimated quantity, but the result may be biased low [Ref. 32, p. 2]
UJ = The analyte was not detected at a level greater than or equal to the ACRQL. However, the reported ACRQL is approximate and may be innacurate or imprecise [Ref. 32, p. 2]

YELLOW HIGHLIGHT indicates that the result meets observed release/observed contamination criteria (≥ 3x maximum background, or ≥ highest RDL if no background detections)

TABLE 2B
SEDIMENT ANALYTICAL DATA - SEMIVOLATILE ORGANIC COMPOUNDS
CONEY ISLAND CREEK

Sample Purpose:		Coney Island Creek Samples																																	
Field Sample ID:	3x Maximum	6100-SED13C			6100-SED14A			6100-SED15A			6100-SED27A			6100-SED15B			6100-SED16A			6100-SED17A			6100-SED18A			6100-SED19A			6100-SED20A			6100-SED21A		
CLP ID:	Background, or	BG596			BG597			BG5A0			BG516			BG5A1			BG5A3			BG5A6			BG5A9			BG5B2			BG5B5			BG4Z8		
Date:	Highest Reportig	4/26/2021			4/27/2021			4/27/2021			4/27/2021			4/27/2021			4/27/2021			4/27/2021			4/27/2021			4/27/2021			4/27/2021			4/15/2021		
Depth Interval (ft bss):	Detection Limit	4 - 6			0 - 2.4			0 - 2			0 - 2			2 - 4			0 - 0.2			0 - 0.5			0 - 0.2			0 - 0.5			0 - 0.2			0 - 0.5		
Comments:											Duplicate of 6100-SED15A																									
SVOC	Value	Q	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL
1,4-Dioxane	260	U	110	UJ	110	89	U	89	160	U	160	190	U	190	100	U	100	110	U	110	150	U	150	96	U	96	200	U	200	130	U	130	160	UJ	160
Benzaldehyde	1300	U	540	U	540	440	U	440	780	U	780	940	U	940	490	U	490	520	U	520	730	U	730	470	U	470	1000	U	1000	650	U	650	770	U	770
Phenol	1300	U	540	U	540	54	J	440	780	U	780	940	U	940	94	J	490	520	U	520	100	J	730	470	U	470	140	J	1000	88	J	650	770	U	770
Bis(2-Chloroethyl)ether	1300	U	540	U	540	440	U	440	780	U	780	940	U	940	490	U	490	520	U	520	730	U	730	470	U	470	1000	U	1000	650	U	650	770	U	770
2-Chlorophenol	650	U	280	U	280	230	U	230	400	U	400	480	U	480	250	U	250	270	U	270	370	U	370	240	U	240	520	U	520	330	U	330	390	U	390
2-Methylphenol	1300	U	540	U	540	440	U	440	780	U	780	940	U	940	490	U	490	520	U	520	730	U	730	470	U	470	1000	U	1000	650	U	650	770	U	770
2,2-oxybis(1-Chloropropane)	1300	U	540	U	540	440	U	440	780	U	780	940	U	940	490	U	490	520	U	520	730	U	730	470	U	470	1000	U	1000	650	U	650	770	U	770
Acetophenone	1300	U	540	U	540	440	U	440	780	U	780	940	U	940	490	U	490	520	U	520	730	U	730	470	U	470	1000	U	1000	650	U	650	770	U	770
4-Methylphenol	1300	U	540	U	540	440	U	440	780	U	780	940	U	940	490	U	490	520	U	520	120	J	730	470	U	470	190	J	1000	650	U	650	770	U	770
N-Nitroso-di-n-propylamine	650	U	280	U	280	230	U	230	400	U	400	480	U	480	250	U	250	270	U	270	370	U	370	240	U	240	520	U	520	330	U	330	390	U	390
Hexachloroethane	650	U	280	U	280	230	U	230	400	U	400	480	U	480	250	U	250	270	U	270	370	U	370	240	U	240	520	U	520	330	U	330	390	U	390
Nitrobenzene	650	U	280	U	280	230	U	230	400	U	400	480	U	480	250	U	250	270	U	270	370	U	370	240	U	240	520	U	520	330	U	330	390	U	390
Isophorone	650	U	280	U	280	230	U	230	400	U	400	480	U	480	250	U	250	270	U	270	370	U	370	240	U	240	520	U	520	330	U	330	390	U	390
2-Nitrophenol	650	U	280	U	280	230	U	230	400	U	400	480	U	480	250	U	250	270	U	270	370	U	370	240	U	240	520	U	520	330	U	330	390	U	390
2,4-Dimethylphenol	650	U	280	U	280	230	U	230	400	U	400	480	U	480	250	U	250	270	U	270	370	U	370	240	U	240	520	U	520	330	U	330	390	U	390
Bis(2-Chloroethoxy)methane	650	U	280	U	280	230	U	230	400	U	400	480	U	480	250	U	250	270	U	270	370	U	370	240	U	240	520	U	520	330	U	330	390	U	390
2,4-Dichlorophenol	650	U	280	U	280	230	U	230	400	U	400	480	U	480	250	U	250	270	U	270	370	U	370	240	U	240	520	U	520	330	U	330	390	U	390
Naphthalene	650	U	70	J	280	230	U	230	400	U	400	480	U	480	250	U	250	270	U	270	370	U	370	240	U	240	520	U	520	330	U	330	390	U	390
4-Chloroaniline	1300	U	540	U	540	440	U	440	780	U	780	940	U	940	490	U	490	520	U	520	730	U	730	470	U	470	1000	U	1000	650	U	650	770	U	770
Hexachlorobutadiene	650	U	280	U	280	230	U	230	400	U	400	480	U	480	250	U	250	270	U	270	370	U	370	240	U	240	520	U	520	330	U	330	390	U	390
Caprolactam	1300	U	540	U	540	440	U	440	780	U	780	940	U	940	490	U	490	520	U	520	730	U	730	470	U	470	1000	U	1000	650	U	650	770	U	770
4-Chloro-3-methylphenol	650	U	280	U	280	230	U	230	400	U	400	480	U	480	250	U	250	270	U	270	370	U	370	240	U	240	520	U	520	330	U	330	390	U	390
1-Methylnaphthalene	650	U	130	J	280	230	U	230	400	U	400	480	U	480	250	U	250	270	U	270	370	U	370	240	U	240	520	U	520	330	U	330	390	U	390
2-Methylnaphthalene	650	U	87	J	280	230	U	230	400	U	400	480	U	480	250	U	250	270	U	270	370	U	370	240	U	240	520	U	520	330	U	330	390	U	390
Hexachlorocyclopentadiene	1300	U	540	U	540	440	U	440	780	U	780	940	U	940	490	U	490	520	U	520	730	U	730	470	U	470	1000	U	1000	650	U	650	770	U	770
2,4,6-Trichlorophenol	650	U	280	U	280	230	U	230	400	U	400	480	U	480	250	U	250	270	U	270	370	U	370	240	U	240	520	U	520	330	U	330	390	U	390
2,4,5-Trichlorophenol	650	U	280	U	280	230	U	230	400	U	400	480	U	480	250	U	250	270	U	270	370	U	370	240	U	240	520	U	520	330	U	330	390	U	390
1,1-Biphenyl	650	U	280	U	280	230	U	230	400	U	400	480	U	480	250	U	250	270	U	270	370	U	370	240	U	240	520	U	520	330	U	330	390	U	390
2-Chloronaphthalene	650	U	280	U	280	230	U	230	400	U	400	480	U	480	250	U	250	270	U	270	370	U	370	240	U	240	520	U	520	330	U	330	390	U	390
2-Nitroaniline	650	U	280	U	280	230	U	230	400	U	400	480	U	480	250	U	250	270	UJ	270	370	U	370	240	UJ	240	520	U	520	330	U	330	390	UJ	390
Dimethylphthalate	1770		63	J	280	230	U	230	400	U	400	480	U	480	250	U	250	270	U	270	370	U	370	240	U	240	520	U	520	330	U	330	390	U	390
2,6-Dinitrotoluene	650	U	280	U	280	230	U	230	400	U	400	480	U	480	250	U	250	270	U	270	370	U	370	240	U	240	520	U	520	330	U	330	390	U	390
Acenaphthylene	650	U	83	J	280	230	U	230	400	U	400	480	U	480	250	U	250	270	U	270	370	U	370	240	U	240	520	U	520	330	U	330	390	U	390
3-Nitroaniline	1300	U	540	U	540	440	U	440	780	U	780	940	U	940	490	U	490	520	UJ	520	730	U	730	470	UJ	470	1000	U	1000	650	U	650	770	UJ	770
Acenaphthene	650	U	180	J	280	93	J	230	400	U	400	480	U	480	250	U	250	270	U	270	370	U	370	240	U	240	520	U	520	330	U	330	390	U	390
2,4-Dinitrophenol	1300	U	540	U	540	440	U	440	780	U	780	940	U	940	490	U	490	520	UJ	520	730	U	730	470	UJ	470	1000	U	1000	650	U	650	770	UJ	770
4-Nitrophenol	1300	U	540	U	540	440	U	440	780	U	780	940	U	940	490	U	490	520	UJ	520	730	U	730	470	UJ	470	1000	U	1000	650	U	650	770	UJ	770
Dibenzofuran	650	U	280	U	280	230	U	230	400	U	400	480	U	480	250	U	250	270	U	270	370	U	370	240	U	240	520	U	520	330	U	330	390	U	390
2,4-Dinitrotoluene	650	U	280	U	280	230	U	230	400	U	400	480	U	480	250	U	250	270	U	270	370	U	370	240	U	240	520	U	520	330	U	330	390	U	390
Diethylphthalate	650	U	280	U	280	230	U	230	400	U	400	480	U	480	250	U	250	270	U	270	370	U	370	240	U	240	520	U	520	330	U	330	390	U	390
Fluorene	650	U	140	J	280	66	J	230	400	U	400	480	U	480	250	U	250	270	U	270	370	U	370	240	U	240	520	U	520	330	U	330	390	U	390
4-Chlorophenyl-phenylether	650	U	280	U	280	230	U	230	400	U	400	480	U	480	250	U	250	270	U	270	370	U	370	240	U	240	520	U	520	330	U	330	390	U	390
4-Nitroaniline	1300	U	540	U	540	440	U	440	780	U	780	940	U	940	490	U	490	520	UJ	520	730	U	730	470	UJ	470	1000	U	1000	650	U	650	770	UJ	770
4,6-Dinitro-2-methylphenol	1300	U	540	U	540	440	U	440	780	U	780	940	U	940	490	U	490	520	U	520	730	U	730	470	UJ	470	1000	U	1000	650	U	650	770	UJ	770
N-Nitrosodiphenylamine	650	U	100	J	280	230	U	230	400	U	400	480	U	480	250	U	250	270	U	270	370	U	370	240	U	240	520	U	520	330	U	330	390	U	390
1,2,4,5-Tetrachlorobenzene	650	U	280	U	280	230	U	230	400	U	400	480	U	480	250	U	250	270	U	270	370	U	370	240	U	240	520	U	520	330	U	330	390	U	390
4-Bromophenyl-phenylether	650	U	280	U	280	230	U	230	400	U	400	480	U	480	250	U	250	270	U	270	370	U	370	240	U	240	520	U	520	330	U	330	390	U	390
Hexachlorobenzene	650	U	280	U	280	230	U	230	400	U	400	480	U	480	250	U	250	270	U	270	370	U	370	240	U	240	520	U	520	330	U	330	390	U	390
Atrazine	1300	U	540	U	540	440	U	440	780	U	780	940	U	940	490	U	490	520	U	520	730	U	730	470	U	470	1000	U	1000	650	U	650	770	U	770
Pentachlorophenol	1300	U	540	U	540	440	U	440	780	U	780	940	U	940	490	U	490	520	U	520	730	U	730	470	U	470	1000	U	1000	650	U	650	770	U	770
Phenanthrene	650	U	820		280	810		230	400	U	400	480	U	480	250	U	250	92	J	270	920		370	240	U	240	520	U	520	76	J	330	150	J	390
Anthracene	650	U	270	J	280	170	J	230	400	U	400	480	U	480	250	U	250	270	U	270	110	J	370	240	U	240	520	U	520	330	U	330	390	U	390
Carbazole	1300	U	540	U	540	68	J	440	780	U	780	940	U	940	490	U	490	520	U	520	92	J	730	470	U	470	1000	U	1000	650	U	650	770	U	770
Di-n-butylphthalate	650	U	280	U	280	230	U	230	400	U	400	480	U	480	250	U	250	270	U	270	370	U	370	240	U	240	520	U	520	330	U	330	390	U	390
Fluoranthene	650	U	760		280	1300		230	400	U	400	480	U	480	250	U	250	240	J	270	1600		370	240	U	240	310	J	520	220	J	330	590		390
Pyrene	650	U	950		280	1100		230	400	U	400	480	U	480	250	U	250	240	J	270	1300		370	240	U	240	230	J	520	240	J	330	440		390
Butylbenzylphthalate	650	U	280	U	280	53	J	230	400	U	400	480	U	480	250	U	250	270	U	270	210	J	370	240	U	240	520	U	520	330	U	330	390	U	390
3,3-Dichlorobenzidine	1300	U	540	U	540	440	U	440	780	U	780	940	U	940	490	U	490	520	U	520	730	U	730	470	U	470	1000	U	1000	650	U	650	770	U	770
Benzo(a)anthracene	650	U	400		280	540		230	400	U	400	480	U	480	250	U	250	110	J	270	470		370	240	U	240	520	U	520	76	J	330	150	J	390
Chrysene	650	U	420		280	550		230	400	U	400	480	U	480	250	U	250	120	J	270	580		370	240	U	240	520	U	520	110	J	330	250	J	390
Bis(2-ethylhexyl)phthalate	650	U	280	U	280	67	J	230	400	U	400	480	U	480	250	U	250	53	J	270	780		370	240	U	240	340	J	520	240	J	330	390	U	390
Di-n-octyl phthalate	1300	U	540	U	540	440	U	440	780	U	780	940	U	940	490	U	490	520	U	520	730	U	730	470	U	470	1000	U	1000	650	U	650	770	U	770
Benzo(b)fluoranthene	650	U	380		280	690		230	400	U	400	480	U	480	250	U	250	140	J	270	690		370	240	U	240	110	J	520	140	J	330	240	J	390
Benzo(k)fluoranthene	650	U	110	J	280	190	J	230	400	U	400	480	U	480	250	U	250	270	U	270	230	J	370	240	U	240	520	U	520	330	U	330	390	U	390
Benzo(a)pyrene	650	U	370		280	530		230	400	U	400	480	U	480	250	U	250	100	J	270	460		370	240	U	240	520	U	520	86	J	330	120	J	390
Indeno(1,2,3-cd)pyrene	650	U	140	J	280	290		230	400	U	400	480	U	480	250	U	250	270	U	270	280	J	370	240	U	240	520	U	520	330	U	330	390	U	390
Dibenzo(a,h)anthracene	650	U	280	U	280	90	J	230	400	U	400	480	U	480	250	U	250	270	U	270	81	J	370	240	U	240	520	U	520	330	U	330	390	U	390
Benzo(g,h,i)perylene	650	U	160	J	280	300		230	400	U	400	480	U	480	250	U	250	56	J	270	290	J	370	240	U	240	520	U	520	330	U	330	390	U	390
2,3,4,6-Tetrachlorophenol	650	U	280	U	280	230	U	230	400	U	400	480	U	480	250	U	250	270	U	270	370	U	370	240	U	240	520	U	520	330	U	330	390	U	390
Total Organic Carbon	NA		76000		500	24800		500	66500		500	97400		500	31400		500	10900		250	97800		500	9780		250	138000		500	21100		500	132000		500
Grain Size Distribution:																																			
Total Coarse (%)	NA		41.7			70.1			14.9			10.6			51.1			89.9			49.4			90.7			18.2			82.7			59.2		
Total Fines-Silt/Clay (%)			58.3			29.9			85.1			89.4			48.9			10.1			50.6			9.3			81.8			17.3			40.8		
Reference			35, pp. 37, 38, 94, 95; 51, pp. 17, 183			33, pp. 27, 28, 111, 112; 51, pp. 17, 184			33, pp. 37, 38, 112, 113; 51, pp. 17, 185			33, pp. 21, 22, 110, 111; 51, pp. 18, 19, 169			33, pp. 43, 44, 113, 114; 51, pp. 19, 186			33, pp. 49, 50, 114, 115; 51, pp. 17, 162			33, pp. 55, 56, 115, 116; 51, pp. 18, 187			33, pp. 63, 64, 116, 117; 51, pp. 18, 165			33, pp. 69, 70, 117, 118; 51, pp. 18, 188			33, pp. 77, 78, 118, 119; 51, pp. 18, 189			30, pp. 21, 22, 170, 171; 51, pp. 11, 30		

All results are reported in micrograms per kilogram (µg/kg)
ft bss = feet below sediment surface
RDL = Reporting Detection Limit, equivalent to the adjusted Contract Required Quantitation limit (ACRQL)
Q = Validation Qualifier
Data Qualifiers:

U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the ACRQL for sample and method [Ref. 35, p. 2]
J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL) [Ref. 35, p. 2]. Values qualified J due to issues of quality control as determined by the Data Validator are not considered for selection of maximum background or for evaluation of observed release/observed contamination.
UJ = The analyte was not detected at a level greater than or equal to the ACRQL. However, the reported ACRQL is approximate and may be innacurate or imprecise [Ref. 35, p. 2]

YELLOW HIGHLIGHT indicates that the result meets observed release/observed contamination criteria (≥ 3x maximum background, or ≥ highest RDL if no background detections)

TABLE 2C
SEDIMENT ANALYTICAL DATA - PESTICIDES AND AROCLORS
CONEY ISLAND CREEK

| Sample Purpose: | Background Samples | | |

TABLE 2C
SEDIMENT ANALYTICAL DATA - PESTICIDES AND AROCLORS
CONEY ISLAND CREEK

Sample Purpose:			Coney Island Creek Samples																																			
Field Sample ID:	3x Maximum Background, or Highest Reportig Detection Limit		6100-SED01A			6100-SED01B			6100-SED01C			6100-SED02A			6100-SED02B			6100-SED02C			6100-SED03A			6100-SED03B			6100-SED03C			6100-SED04A			6100-SED04B			6100-SED04C			6100-SED05A		
CLP ID:			BG558			BG559			BG560			BG561			BG562			BG563			BG564			BG565			BG566			BG567			BG568			BG569			BG570		
Date:			4/19/2021			4/19/2021			4/19/2021			4/19/2021			4/19/2021			4/19/2021			4/19/2021			4/19/2021			4/19/2021			4/19/2021			4/19/2021			4/19/2021			4/19/2021		
Depth Interval (ft bss):			0 - 1			1 - 2			2 - 3			0 - 2			2 - 4			4 - 6			0 - 1			2 - 4			4 - 6			0 - 2			2 - 4			4 - 6			0 - 2		
Comments:																																									
Pesticides	**Value**	**Q**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**
alpha-BHC	6.5	U	2.1	U	2.1	2.1	UJ	2.1	2.1	U	2.1	3.3	U	3.3	3.2	U	3.2	2.4	U	2.4	3.4	U	3.4	5.1	U	5.1	4.8	U	4.8	2.6	U	2.6	3.3	U	3.3	4.7	U	4.7	4.0	U	4.0
beta-BHC	6.5	U	2.1	U	2.1	2.1	UJ	2.1	2.1	U	2.1	3.3	U	3.3	3.2	U	3.2	2.4	U	2.4	3.4	U	3.4	5.1	U	5.1	4.8	U	4.8	2.6	U	2.6	3.3	U	3.3	4.7	U	4.7	4.0	U	4.0
delta-BHC	6.5	U	2.1	U	2.1	2.1	UJ	2.1	2.1	U	2.1	3.3	U	3.3	3.2	U	3.2	2.4	U	2.4	3.4	U	3.4	5.1	U	5.1	4.8	U	4.8	2.6	U	2.6	0.57	J	3.3	4.7	U	4.7	0.95	J	4.0
gamma-BHC (Lindane)	6.5	U	2.1	U	2.1	2.1	UJ	2.1	2.1	U	2.1	3.3	U	3.3	3.2	U	3.2	2.4	U	2.4	3.4	U	3.4	5.1	U	5.1	4.8	U	4.8	2.6	U	2.6	0.38	J	3.3	4.7	U	4.7	4.0	U	4.0
Heptachlor	6.5	U	2.1	U	2.1	2.1	UJ	2.1	2.1	U	2.1	3.3	U	3.3	3.2	U	3.2	2.4	U	2.4	3.4	U	3.4	5.1	U	5.1	4.8	U	4.8	2.6	U	2.6	3.3	U	3.3	4.7	U	4.7	4.0	U	4.0
Aldrin	6.5	U	2.1	U	2.1	2.1	UJ	2.1	2.1	U	2.1	0.54	J	3.3	3.2	U	3.2	2.4	U	2.4	3.4	U	3.4	5.1	U	5.1	4.8	U	4.8	2.6	U	2.6	0.35	J	3.3	4.7	U	4.7	4.0	U	4.0
Heptachlor epoxide	6.5	U	2.1	U	2.1	2.1	UJ	2.1	2.1	U	2.1	3.3	U	3.3	3.2	U	3.2	2.4	U	2.4	3.4	U	3.4	5.1	U	5.1	4.8	U	4.8	2.6	U	2.6	3.3	U	3.3	4.7	U	4.7	4.0	U	4.0
Endosulfan I	6.5	U	2.1	U	2.1	2.1	UJ	2.1	2.1	U	2.1	3.3	U	3.3	3.2	U	3.2	2.4	U	2.4	3.4	U	3.4	5.1	U	5.1	4.8	U	4.8	2.6	U	2.6	3.3	U	3.3	4.7	U	4.7	4.0	U	4.0
Dieldrin	13	U	4.0	U	4.0	4.0	UJ	4.0	4.1	U	4.1	6.5	U	6.5	6.2	U	6.2	4.6	U	4.6	6.6	U	6.6	0.86	NJ	10	9.4	U	9.4	5.1	U	5.1	6.3	U	6.3	9.1	U	9.1	2.7	J	7.8
4,4'-DDE	1.56	J	4.0	U	4.0	4.0	UJ	4.0	4.1	U	4.1	6.5	U	6.5	0.81	J	6.2	0.30	J	4.6	6.6	U	6.6	1.6	NJ	10	9.4	U	9.4	1.2	J	5.1	5.8	J	6.3	0.51	J	9.1	4.9	J	7.8
Endrin	13	U	4.0	U	4.0	4.0	UJ	4.0	4.1	U	4.1	6.5	U	6.5	0.80	J	6.2	4.6	U	4.6	6.6	U	6.6	1.0	J	10	9.4	U	9.4	5.1	U	5.1	6.3	U	6.3	9.1	U	9.1	1.1	J	7.8
Endosulfan II	13	U	4.0	U	4.0	4.0	UJ	4.0	4.1	U	4.1	6.5	U	6.5	6.2	U	6.2	4.6	U	4.6	6.6	U	6.6	10	U	10	9.4	U	9.4	5.1	U	5.1	6.3	U	6.3	0.63	J	9.1	7.8	U	7.8
4,4'-DDD	13	U	4.0	U	4.0	4.0	UJ	4.0	4.1	U	4.1	6.5	U	6.5	6.2	U	6.2	0.82	J	4.6	6.6	U	6.6	0.53	J	10	9.4	U	9.4	0.79	J	5.1	44	J	6.3	0.51	J	9.1	4.3	J	7.8
Endosulfan Sulfate	13	U	4.0	U	4.0	4.0	UJ	4.0	4.1	U	4.1	6.5	U	6.5	0.36	J	6.2	4.6	U	4.6	6.6	U	6.6	10	U	10	9.4	U	9.4	5.1	U	5.1	6.3	U	6.3	9.1	U	9.1	0.63	J	7.8
4,4'-DDT	13	U	4.0	U	4.0	4.0	UJ	4.0	4.1	U	4.1	6.5	U	6.5	6.2	U	6.2	0.36	J	4.6	6.6	U	6.6	10	U	10	9.4	U	9.4	5.1	U	5.1	6.3	U	6.3	0.64	J	9.1	7.8	U	7.8
Methoxychlor	65	U	21	U	21	21	UJ	21	21	U	21	33	U	33	32	U	32	24	U	24	34	U	34	51	U	51	48	U	48	26	U	26	33	U	33	47	U	47	40	U	40
Endrin ketone	13	U	4.0	U	4.0	4.0	UJ	4.0	4.1	U	4.1	6.5	U	6.5	6.2	U	6.2	4.6	U	4.6	6.6	U	6.6	10	U	10	9.4	U	9.4	5.1	U	5.1	6.3	U	6.3	9.1	U	9.1	7.8	U	7.8
Endrin Aldehyde	13	U	4.0	U	4.0	4.0	UJ	4.0	4.1	U	4.1	6.5	U	6.5	6.2	U	6.2	4.6	U	4.6	6.6	U	6.6	10	U	10	9.4	U	9.4	5.1	U	5.1	6.3	U	6.3	9.1	U	9.1	7.8	U	7.8
cis-Chlordane	6.5	U	2.1	U	2.1	2.1	UJ	2.1	2.1	U	2.1	3.3	U	3.3	3.2	U	3.2	2.4	U	2.4	3.4	U	3.4	0.43	J	5.1	4.8	U	4.8	2.6	U	2.6	0.78	J	3.3	4.7	U	4.7	2.7	J	4.0
trans-Chlordane	6.5	U	2.1	U	2.1	2.1	UJ	2.1	2.1	U	2.1	3.3	U	3.3	3.2	U	3.2	2.4	U	2.4	3.4	U	3.4	0.65	J	5.1	4.8	U	4.8	2.6	U	2.6	2.4	J	3.3	4.7	U	4.7	4.5		4.0
Toxaphene	650	U	210	U	210	210	UJ	210	210	U	210	330	U	330	320	U	320	240	U	240	340	U	340	510	U	510	480	U	480	260	U	260	330	U	330	470	U	470	400	U	400
Total Organic Carbon	NA		373		250	404		250	658		250	11600		500	50600		500	9700		500	72600		500	48400		500	58100		500	18200		500	68800		500	82200		500	107000		500
Grain Size Distribution:																																									
Total Coarse (%)	NA		98.4			98.3			98.2			5.3			49.6			93.6			3.5			31			4.5			94.2			61.9			11.5			22.4		
Total Fines-Silt/Clay (%)			1.6			1.7			1.8			94.7			50.4			6.4			96.5			69			95.5			5.8			38.1			88.5			77.6		
Reference			30, pp. 28, 188; 51, pp. 8, 31			30, pp. 38, 188, 189; 51, pp. 8, 32			30, pp. 44, 189; 51, pp. 8, 33			30, pp. 50, 189; 51, pp. 8, 47			30, pp. 56, 189, 190; 51, pp. 8, 48			30, pp. 62, 190; 51, pp. 8, 9, 49			30, pp. 68, 190; 51, pp. 9, 50			30, pp. 76, 190, 191; 51, pp. 9, 51			30, pp. 82, 191; 51, pp. 9, 52			30, pp. 88, 191; 51, pp. 9, 53			30, pp. 94, 191; 51, pp. 9, 54			30, pp. 102, 191, 192; 51, pp. 10, 55			30, pp. 108, 192; 51, pp. 10, 56		

Sample Purpose:			Coney Island Creek Samples																																			
Field Sample ID:	3x Maximum Background, or Highest Reportig Detection Limit		6100-SED01A			6100-SED01B			6100-SED01C			6100-SED02A			6100-SED02B			6100-SED02C			6100-SED03A			6100-SED03B			6100-SED03C			6100-SED04A			6100-SED04B			6100-SED04C			6100-SED05A		
CLP ID:			BG558			BG559			BG560			BG561			BG562			BG563			BG564			BG565			BG566			BG567			BG568			BG569			BG570		
Date:			4/19/2021			4/19/2021			4/19/2021			4/19/2021			4/19/2021			4/19/2021			4/19/2021			4/19/2021			4/19/2021			4/19/2021			4/19/2021			4/19/2021			4/19/2021		
Depth Interval (ft bss):			0 - 1			1 - 2			2 - 3			0 - 2			2 - 4			4 - 6			0 - 1			2 - 4			4 - 6			0 - 2			2 - 4			4 - 6			0 - 2		
Comments:																																									
Aroclors	**Value**	**Q**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**
Aroclor-1016	130	U	40	U	40	40	U	40	41	U	41	65	U	65	62	U	62	46	U	46	66	U	66	99	U	99	94	U	94	51	U	51	64	U	64	91	U	91	78	U	78
Aroclor-1221	130	U	40	U	40	40	U	40	41	U	41	65	U	65	62	U	62	46	U	46	66	U	66	99	U	99	94	U	94	51	U	51	64	U	64	91	U	91	78	U	78
Aroclor-1232	130	U	40	U	40	40	U	40	41	U	41	65	U	65	62	U	62	46	U	46	66	U	66	99	U	99	94	U	94	51	U	51	64	U	64	91	U	91	78	U	78
Aroclor-1242	130	U	40	U	40	40	U	40	41	U	41	65	U	65	62	U	62	46	U	46	66	U	66	99	U	99	94	U	94	51	U	51	64	U	64	91	U	91	78	U	78
Aroclor-1248	183	J	40	U	40	40	U	40	41	U	41	65	U	65	48	J	62	9.3	J	46	66	U	66	39	J	99	94	U	94	51	U	51	21	J	64	91	U	91	50	J	78
Aroclor-1254	130	U	40	U	40	40	U	40	41	U	41	65	U	65	21	J	62	46	U	46	66	U	66	26	J	99	94	U	94	51	U	51	14	J	64	91	U	91	40	J	78
Aroclor-1260	130	U	40	U	40	40	U	40	41	U	41	65	U	65	62	U	62	46	U	46	66	U	66	99	U	99	94	U	94	51	U	51	64	U	64	91	U	91	78	U	78
Aroclor-1262	130	U	40	U	40	40	U	40	41	U	41	65	U	65	62	U	62	46	U	46	66	U	66	99	U	99	94	U	94	51	U	51	64	U	64	91	U	91	78	U	78
Aroclor-1268	130	U	40	U	40	40	U	40	41	U	41	65	U	65	62	U	62	46	U	46	66	U	66	99	U	99	94	U	94	51	U	51	64	U	64	91	U	91	78	U	78
Total Organic Carbon	NA		373		250	404		250	658		250	11600		500	50600		500	9700		500	72600		500	48400		500	58100		500	18200		500	68800		500	82200		500	107000		500
Grain Size Distribution:																																									
Total Coarse (%)	NA		98.4			98.3			98.2			5.3			49.6			93.6			3.5			31			4.5			94.2			61.9			11.5			22.4		
Total Fines-Silt/Clay (%)			1.6			1.7			1.8			94.7			50.4			6.4			96.5			69			95.5			5.8			38.1			88.5			77.6		
Reference			30, pp. 27, 194; 51, pp. 8, 31			30, pp. 37, 194; 51, pp. 8, 32			30, pp. 43, 194; 51, pp. 8, 33			30, pp. 49, 194; 51, pp. 8, 47			30, pp. 55, 194, 195; 51, pp. 8, 48			30, pp. 61, 195; 51, pp. 8, 9, 49			30, pp. 67, 195; 51, pp. 9, 50			30, pp. 75, 195; 51, pp. 9, 51			30, pp. 81, 195; 51, pp. 9, 52			30, pp. 87, 195; 51, pp. 9, 53			30, pp. 93, 195; 51, pp. 9, 54			30, pp. 101, 195; 51, pp. 10, 55			30, pp. 107, 195, 196; 51, pp. 10, 56		

All results are reported in micrograms per kilogram (µg/kg)
ft bss = feet below sediment surface
RDL = Reporting Detection Limit, equivalent to the adjusted Contract Required Quantitation limit (ACRQL)
Q = Validator's Qualifier
Data Qualifiers:

U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the ACRQL for sample and method [Ref. 30, p. 2]
J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL) [Ref. 30, p. 2]. Values qualified J due to issues of quality control as determined by the Data Validator are not considered for selection of maximum background or for evaluation of observed release/observed contamination.
UJ = The analyte was not detected at a level greater than or equal to the ACRQL. However, the reported ACRQL is approximate and may be innacurate or imprecise [Ref. 30, p. 2]
NJ = The analysis indicates the presence of an analyte that has been "tentatively identified' and the associated numerical value represents its approximate concentration [Ref. 30, p. 2]

YELLOW HIGHLIGHT indicates that the result meets observed release/observed contamination criteria (≥ 3x maximum background, or ≥ highest RDL if no background detections)

TABLE 2C
SEDIMENT ANALYTICAL DATA - PESTICIDES AND AROCLORS
CONEY ISLAND CREEK

Sample Purpose:			Coney Island Creek Samples																																					
Field Sample ID:	3x Maximum		6100-SED05B			6100-SED05C			6100-SED06A			6100-SED06B			6100-SED06C			6100-SED07A			6100-SED07B			6100-SED07C			6100-SED26C			6100-SED08A			6100-SED08B			6100-SED08C			6100-SED09A		
CLP ID:	Background, or		BG571			BG572			BG573			BG574			BG575			BG576			BG577			BG578			BG515			BG579			BG580			BG581			BG582		
Date:	Highest Reportig		4/19/2021			4/19/2021			4/20/2021			4/20/2021			4/20/2021			4/26/2021			4/26/2021			4/26/2021			4/26/2021			4/23/2021			4/23/2021			4/23/2021			4/23/2021		
Depth Interval (ft bss):	Detection Limit		2 - 4			4 - 6			0 - 1.5			1.5 - 3			3 - 4.5			0 - 2			2 - 4			4 - 6			4 - 6			0 - 1.5			1.5 - 3			3 - 4.5			4 - 6		
Comments:																											Duplicate of 6100-SED07C														
Pesticides	**Value**	**Q**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**
alpha-BHC	6.5	U	5.3	U	5.3	5.2	U	5.2	2.1	U	2.1	2.1	U	2.1	2.2	U	2.2	5.2	U	5.2	4.6	U	4.6	3.8	U	3.8	4.6	U	4.6	2.4	U	2.4	2.2	U	2.2	2.2	U	2.2	2.8	U	2.8
beta-BHC	6.5	U	5.3	U	5.3	5.2	U	5.2	2.1	U	2.1	2.1	U	2.1	2.2	U	2.2	5.2	U	5.2	4.6	U	4.6	3.8	U	3.8	4.6	U	4.6	2.4	U	2.4	2.2	U	2.2	2.2	U	2.2	2.8	U	2.8
delta-BHC	6.5	U	1.3	J	5.3	5.2	U	5.2	2.1	U	2.1	2.1	U	2.1	2.2	U	2.2	5.2	U	5.2	2.0	J	4.6	1.3	J	3.8	1.8	J	4.6	0.72	J	2.4	2.2	U	2.2	0.23	J	2.2	2.5	J	2.8
gamma-BHC (Lindane)	6.5	U	5.3	U	5.3	5.2	U	5.2	2.1	U	2.1	2.1	U	2.1	2.2	U	2.2	5.2	U	5.2	4.6	U	4.6	0.55	NJ	3.8	0.60	J	4.6	2.4	U	2.4	2.2	U	2.2	2.2	U	2.2	0.28	NJ	2.8
Heptachlor	6.5	U	5.3	U	5.3	5.2	U	5.2	2.1	U	2.1	2.1	U	2.1	2.2	U	2.2	5.2	U	5.2	4.6	U	4.6	3.8	U	3.8	4.6	U	4.6	2.4	U	2.4	2.2	U	2.2	2.2	U	2.2	2.8	U	2.8
Aldrin	6.5	U	5.3	U	5.3	5.2	U	5.2	2.1	U	2.1	2.1	U	2.1	2.2	U	2.2	5.2	U	5.2	4.6	U	4.6	3.8	U	3.8	4.6	U	4.6	2.4	U	2.4	2.2	U	2.2	2.2	U	2.2	0.94	J	2.8
Heptachlor epoxide	6.5	U	5.3	U	5.3	5.2	U	5.2	2.1	U	2.1	2.1	U	2.1	2.2	U	2.2	5.2	U	5.2	4.6	U	4.6	3.8	U	3.8	4.6	U	4.6	2.4	U	2.4	2.2	U	2.2	2.2	U	2.2	1.4	J	2.8
Endosulfan I	6.5	U	5.3	U	5.3	5.2	U	5.2	2.1	U	2.1	2.1	U	2.1	2.2	U	2.2	5.2	U	5.2	4.6	U	4.6	3.8	U	3.8	4.6	U	4.6	2.4	U	2.4	2.2	U	2.2	2.2	U	2.2	2.8	U	2.8
Dieldrin	13	U	0.96	NJ	10	10	U	10	4.0	U	4.0	4.1	U	4.1	4.4	U	4.4	10	U	10	1.2	NJ	8.9	1.5	J	7.4	1.5	NJ	8.9	1.0	J	4.6	4.2	U	4.2	4.2	U	4.2	1.4	J	5.4
4,4'-DDE	1.56	J	2.1	J	10	10	U	10	4.0	U	4.0	4.1	U	4.1	4.4	U	4.4	0.50	J	10	2.7	J	8.9	3.2	J	7.4	4.3	J	8.9	2.4	J	4.6	2.3	J	4.2	2.6	J	4.2	23	J	5.4
Endrin	13	U	0.88	J	10	10	U	10	4.0	U	4.0	4.1	U	4.1	4.4	U	4.4	10	U	10	1.0	NJ	8.9	1.2	J	7.4	0.92	J	8.9	0.65	J	4.6	4.2	U	4.2	0.40	J	4.2	1.5	NJ	5.4
Endosulfan II	13	U	10	U	10	0.59	J	10	4.0	U	4.0	4.1	U	4.1	4.4	U	4.4	0.97	J	10	2.6	J	8.9	7.4	U	7.4	8.9	U	8.9	4.6	U	4.6	4.2	U	4.2	4.2	U	4.2	0.80	NJ	5.4
4,4'-DDD	13	U	2.0	J	10	10	U	10	4.0	U	4.0	4.1	U	4.1	4.4	U	4.4	0.52	J	10	3.1	J	8.9	2.9	J	7.4	2.3	J	8.9	7.8	J	4.6	5.6	J	4.2	2.4	J	4.2	46		5.4
Endosulfan Sulfate	13	U	0.60	J	10	10	U	10	4.0	U	4.0	4.1	U	4.1	4.4	U	4.4	10	U	10	0.88	J	8.9	7.4	U	7.4	8.9	U	8.9	4.6	U	4.6	4.2	U	4.2	4.2	U	4.2	1.5	J	5.4
4,4'-DDT	13	U	10	U	10	10	U	10	4.0	U	4.0	4.1	U	4.1	4.4	U	4.4	10	U	10	0.84	NJ	8.9	0.32	J	7.4	8.9	U	8.9	0.56	NJ	4.6	3.5	NJ	4.2	0.40	NJ	4.2	5.4	U	5.4
Methoxychlor	65	U	53	U	53	52	U	52	21	U	21	21	U	21	22	U	22	52	U	52	46	U	46	38	U	38	46	U	46	24	U	24	22	U	22	22	U	22	28	U	28
Endrin ketone	13	U	10	U	10	10	U	10	4.0	U	4.0	4.1	U	4.1	4.4	U	4.4	10	U	10	8.9	U	8.9	7.4	U	7.4	8.9	U	8.9	4.6	U	4.6	4.2	U	4.2	4.2	U	4.2	5.4	U	5.4
Endrin Aldehyde	13	U	10	U	10	10	U	10	4.0	U	4.0	4.1	U	4.1	4.4	U	4.4	10	U	10	8.9	U	8.9	7.4	U	7.4	8.9	U	8.9	4.6	U	4.6	4.2	U	4.2	4.2	U	4.2	5.4	U	5.4
cis-Chlordane	6.5	U	1.9	J	5.3	5.2	U	5.2	2.1	U	2.1	2.1	U	2.1	2.2	U	2.2	0.74	J	5.2	3.4	J	4.6	2.7	J	3.8	2.7	J	4.6	3.0		2.4	2.2	U	2.2	0.22	NJ	2.2	7.7	J	2.8
trans-Chlordane	6.5	U	2.7	J	5.3	5.2	U	5.2	2.1	U	2.1	2.1	U	2.1	2.2	U	2.2	0.93	NJ	5.2	3.0	NJ	4.6	3.6	J	3.8	4.0	J	4.6	4.0		2.4	2.2	U	2.2	1.3	J	2.2	14		2.8
Toxaphene	650	U	530	U	530	520	U	520	210	U	210	210	U	210	220	U	220	520	U	5.3	460	U	460	380	U	380	460	U	460	240	U	240	220	U	220	220	U	220	280	U	280
Total Organic Carbon	NA		129000		500	92200		500	2480		250	2310		250	2220		250	98800		500	132000		500	95000		500	114000		500	9540		250	5600		250	12500		250	46300		500
Grain Size Distribution:																																									
Total Coarse (%)	NA		3			3.4			93.5			89.5			95			4.8			8.5			21.1						89.7			96			91			68.7		
Total Fines-Silt/Clay (%)			97			96.6			6.5			10.5			5			95.2			91.5			78.9						10.3			4			9			31.3		
Reference			30, pp. 116, 192; 51, pp. 10, 57			30, pp. 124, 192, 193; 51, pp. 10, 58			31, pp. 112, 206; 51, pp. 10, 89			31, pp. 118, 206; 51, pp. 10, 11, 90			31, pp. 124, 206, 207; 51, pp. 11, 91			32, pp. 36, 240, 241; 51, pp. 13, 170			32, pp. 48, 241; 51, pp. 14, 171			32, pp. 56, 241; 51, pp. 14, 172			32, pp. 30; 51, p. 168			32, pp. 62, 241; 51, pp. 14, 119			32, pp. 68, 242; 51, pp. 14, 120			32, pp. 74, 242; 51, pp. 14, 121			32, pp. 80, 242; 51, pp. 14, 15, 126		

Sample Purpose:			Coney Island Creek Samples																																					
Field Sample ID:	3x Maximum		6100-SED05B			6100-SED05C			6100-SED06A			6100-SED06B			6100-SED06C			6100-SED07A			6100-SED07B			6100-SED07C			6100-SED26C			6100-SED08A			6100-SED08B			6100-SED08C			6100-SED09A		
CLP ID:	Background, or		BG571			BG572			BG573			BG574			BG575			BG576			BG577			BG578			BG515			BG579			BG580			BG581			BG582		
Date:	Highest Reportig		4/19/2021			4/19/2021			4/20/2021			4/20/2021			4/20/2021			4/26/2021			4/26/2021			4/26/2021			4/26/2021			4/23/2021			4/23/2021			4/23/2021			4/23/2021		
Depth Interval (ft bss):	Detection Limit		2 - 4			4 - 6			0 - 1.5			1.5 - 3			3 - 4.5			0 - 2			2 - 4			4 - 6			4 - 6			0 - 1.5			1.5 - 3			3 - 4.5			4 - 6		
Comments:																											Duplicate of 6100-SED07C														
Aroclors	**Value**	**Q**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**
Aroclor-1016	130	U	100	U	100	100	U	100	40	U	40	41	U	41	44	U	44	100	U	100	89	U	89	74	U	74	89	U	89	46	U	46	42	U	42	42	U	42	54	U	54
Aroclor-1221	130	U	100	U	100	100	U	100	40	U	40	41	U	41	44	U	44	100	U	100	89	U	89	74	U	74	89	U	89	46	U	46	42	U	42	42	U	42	54	U	54
Aroclor-1232	130	U	100	U	100	100	U	100	40	U	40	41	U	41	44	U	44	100	U	100	89	U	89	74	U	74	89	U	89	46	U	46	42	U	42	42	U	42	54	U	54
Aroclor-1242	130	U	100	U	100	100	U	100	40	U	40	41	U	41	44	U	44	100	U	100	89	U	89	74	U	74	89	U	89	46	U	46	42	U	42	42	U	42	54	U	54
Aroclor-1248	183	J	71	J	100	100	U	100	40	U	40	41	U	41	44	U	44	33	J	100	78	J	89	56	J	74	71	J	89	53		46	46		42	15	J	42	84	J	54
Aroclor-1254	130	U	33	J	100	100	U	100	40	U	40	41	U	41	44	U	44	18	J	100	39	J	90	38	J	74	43	J	89	31	J	46	30	J	42	19	J	42	120	J	54
Aroclor-1260	130	U	100	U	100	100	U	100	40	U	40	41	U	41	44	U	44	100	U	100	89	U	91	74	U	74	89	U	89	46	U	46	42	U	42	42	U	42	54	U	54
Aroclor-1262	130	U	100	U	100	100	U	100	40	U	40	41	U	41	44	U	44	100	U	100	89	U	92	74	U	74	89	U	89	46	U	46	42	U	42	42	U	42	54	U	54
Aroclor-1268	130	U	100	U	100	100	U	100	40	U	40	41	U	41	44	U	44	100	U	100	89	U	93	74	U	74	89	U	89	46	U	46	42	U	42	42	U	42	54	U	54
Total Organic Carbon	NA		129000		500	92200		500	2480		250	2310		250	2220		250	98800		500	132000		500	95000		500	114000		500	9540		250	5600		250	12500		250	46300		500
Grain Size Distribution:																																									
Total Coarse (%)	NA		3			3.4			93.5			89.5			95			4.8			8.5			21.1						89.7			96			91			68.7		
Total Fines-Silt/Clay (%)			97			96.6			6.5			10.5			5			95.2			91.5			78.9						10.3			4			9			31.3		
Reference			30, pp. 115, 196; 51, pp. 10, 57			30, pp. 123, 196; 51, pp. 10, 58			31, pp. 111, 210; 51, pp. 10, 89			31, pp. 117, 210; 51, pp. 10, 11, 90			31, pp. 123, 210, 211; 51, pp. 11, 91			32, pp. 35, 247; 51, pp. 13, 170			32, pp. 47, 247; 51, pp. 14, 171			32, pp. 55, 247; 51, pp. 14, 172			32, pp. 29, 247; 51, p. 168			32, pp. 61, 247; 51, pp. 14, 119			32, pp. 67, 247, 248; 51, pp. 14, 120			32, pp. 73, 248; 51, pp. 14, 121			32, pp. 79, 248; 51, pp. 14, 15, 126		

All results are reported in micrograms per kilogram (µg/kg)
ft bss = feet below sediment surface
RDL = Reporting Detection Limit, equivalent to the adjusted Contract Required Quantitation limit (ACRQL)
Q = Validator's Qualifier
Data Qualifiers:

U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the ACRQL for sample and method [Ref. 30, p. 2]
J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL) [Ref. 30, p. 2]. Values qualified J due to issues of quality control as determined by the Data Validator are not considered for selection of maximum background or for evaluation of observed release/ observed contamination.
NJ = The analysis indicates the presence of an analyte that has been "tentatively identified' and the associated numerical value represents its approximate concentration [Ref. 30, p. 2]

YELLOW HIGHLIGHT indicates that the result meets observed release/observed contamination criteria (≥ 3x maximum background, or ≥ highest RDL if no background detections)

TABLE 2C
SEDIMENT ANALYTICAL DATA - PESTICIDES AND AROCLORS
CONEY ISLAND CREEK

Sample Purpose:			Coney Island Island Creek Samples																																					
Field Sample ID:	3x Maximum Background, or Highest Reportig Detection Limit		6100-SED09B			6100-SED26B			6100-SED09C			6100-SED10A			6100-SED10B			6100-SED10C			6100-SED11A			6100-SED11B			6100-SED11C			6100-SED12A			6100-SED12B			6100-SED13A			6100-SED13B		
CLP ID:			BG583			BG514			BG584			BG585			BG586			BG587			BG588			BG589			BG590			BG591			BG592			BG594			BG595		
Date:			4/23/2021			4/23/2021			4/23/2021			4/26/2021			4/26/2021			4/26/2021			4/26/2021			4/26/2021			4/26/2021			4/26/2021			4/26/2021			4/26/2021			4/26/2021		
Depth Interval (ft bss):			2 - 4			2 - 4			0 - 2			0 - 1.8			1.8 - 3.6			3.6 - 5.5			0 - 1.1			1.1 - 2.4			2.4 - 3.4			0 - 1.2			1.2 - 2.4			0 - 2			2 - 4		
Comments:						Duplicate of 6100-SED09B																																				
Pesticides	**Value**	**Q**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**
alpha-BHC	6.5	U	2.8	UJ	2.8	2.2	U	2.2	2.8	U	2.8	3.9	U	3.9	4.0	U	4.0	2.2	U	2.2	2.0	U	2.0	2.1	U	2.1	2.4	U	2.4	2.3	U	2.3	2.0	U	2.0	3.8	U	3.8	3.7	U	3.7
beta-BHC	6.5	U	2.8	UJ	2.8	2.2	U	2.2	2.8	U	2.8	3.9	U	3.9	4.0	U	4.0	2.2	U	2.2	2.0	U	2.0	2.1	U	2.1	2.4	U	2.4	2.3	U	2.3	2.0	U	2.0	3.8	U	3.8	3.7	U	3.7
delta-BHC	6.5	U	2.3	J-	2.8	1.3	J	2.2	1.7	J	2.8	1.5	J	3.9	3.9 (0.39)	J+	4.0	3.0	J	2.2	0.34	NJ	2.0	1.3	J	2.1	1.4	J	2.4	1.8	J	2.3	2.3		2.0	1.8	J	3.8	3.7	U	3.7
gamma-BHC (Lindane)	6.5	U	0.44 (0.03)	J+	2.8	2.2	U	2.2	0.49	J	2.8	0.45	J	3.9	0.67 (0.05)	J+	4.0	0.6	J	2.2	2.0	U	2.0	2.1	U	2.1	2.4	U	2.4	0.47	NJ	2.3	0.71	NJ	2.0	0.56	NJ	3.8	3.7	U	3.7
Heptachlor	6.5	U	2.8	UJ	2.8	2.2	U	2.2	2.8	U	2.8	3.9	U	3.9	4.0	U	4.0	2.2	U	2.2	2.0	U	2.0	2.1	U	2.1	2.4	U	2.4	2.3	U	2.3	2.0	U	2.0	3.8	U	3.8	3.7	U	3.7
Aldrin	6.5	U	0.31	J-	2.8	2.2	U	2.2	2.8	U	2.8	3.9	U	3.9	4.0	U	4.0	2.2	U	2.2	2.0	U	2.0	2.1	U	2.1	0.45	J	2.4	2.3	U	2.3	2.0	U	2.0	0.91	J	3.8	0.48	J	3.7
Heptachlor epoxide	6.5	U	0.43	NJ	2.8	2.2	U	2.2	2.8	U	2.8	3.9	U	3.9	1.0	NJ	4.0	0.64	NJ	2.2	2.0	U	2.0	0.37	J	2.1	0.72	J	2.4	2.3	U	2.3	2.0	U	2.0	1.7	J	3.8	0.63	NJ	3.7
Endosulfan I	6.5	U	2.8	UJ	2.8	2.2	U	2.2	2.8	U	2.8	3.9	U	3.9	4.0	U	4.0	2.2	U	2.2	2.0	U	2.0	2.1	U	2.1	2.4	U	2.4	2.3	U	2.3	2.0	U	2.0	3.8	U	3.8	3.7	U	3.7
Dieldrin	13	U	1.7	NJ	5.5	1.9	J	4.3	1.1	NJ	5.4	0.98	NJ	7.5	1.6 (0.13)	J+	7.7	2.8	NJ	4.3	0.50	NJ	3.8	2.7	J	4.0	4.6	U	4.6	1.6	J	4.5	1.6	NJ	3.9	1.7	J	7.3	7.1	U	7.1
4,4'-DDE	1.56	J	3.8 (0.38)	J+	5.5	3.2	J	4.3	2.9	J	5.4	3.1	J	7.5	6.6 (0.66)	J+	7.7	7.3	J	4.3	0.89	J	3.8	6.1	J	4.0	8.7	J	4.6	2.1	J	4.5	3.7	J	3.9	14	J	7.3	0.61	J	7.1
Endrin	13	U	3.2	J-	5.5	0.78	J	4.3	2.0	J	5.4	2.3	J	7.5	3.6 (0.25)	J+	7.7	0.99	NJ	4.3	0.28	J	3.8	0.76	J	4.0	0.79	J	4.6	0.78	J	4.5	1.5	J	3.9	0.88	J	7.3	7.1	U	7.1
Endosulfan II	13	U	5.5	UJ	5.5	4.3	U	4.3	9.3		5.4	8.2		7.5	8.6 (0.86)	J+	7.7	4.3	U	4.3	3.8	U	3.8	4.0	U	4.0	4.6	U	4.6	4.5	U	4.5	3.9	U	3.9	7.3	U	7.3	1.4	J	7.1
4,4'-DDD	13	U	11 (1.1)	J+	5.5	17		4.3	11		5.4	6.4	J	7.5	6.0 (0.60)	J+	7.7	21		4.3	5.3	J	3.8	35		4.0	21		4.6	15		4.5	38		3.9	4.8	J	7.3	1.7	J	7.1
Endosulfan Sulfate	13	U	5.5	UJ	5.5	4.3	U	4.3	5.4	U	5.4	7.5	U	7.5	7.7	U	7.7	4.3	U	4.3	3.8	U	3.8	4.0	U	4.0	4.6	U	4.6	4.5	U	4.5	3.9	U	3.9	7.3	U	7.3	1.5	NJ	7.1
4,4'-DDT	13	U	0.99	NJ	5.5	0.40	NJ	4.3	0.49	NJ	5.4	7.5	U	7.5	7.7	U	7.7	1.5	NJ	4.3	0.29	NJ	3.8	4.0	U	4.0	4.6	U	4.6	1.1	J	4.5	290		39	7.3	U	7.3	7.1	U	7.1
Methoxychlor	65	U	28	UJ	28	22	U	22	28	U	28	1.9	NJ	39	1.1	NJ	40	1.3	NJ	22	20	U	20	21	U	21	24	U	24	23	U	23	20	U	20	38	U	38	37	U	37
Endrin ketone	13	U	5.5	UJ	5.5	4.3	U	4.3	5.4	U	5.4	7.5	U	7.5	7.7	U	7.7	4.3	U	4.3	3.8	U	3.8	4.0	U	4.0	4.6	U	4.6	4.5	U	4.5	3.9	U	3.9	7.3	U	7.3	7.1	U	7.1
Endrin Aldehyde	13	U	5.5	UJ	5.5	4.3	U	4.3	5.4	U	5.4	7.5	U	7.5	7.7	U	7.7	4.3	U	4.3	3.8	U	3.8	4.0	U	4.0	4.6	U	4.6	4.5	U	4.5	3.9	U	3.9	7.3	U	7.3	0.70	J	7.1
cis-Chlordane	6.5	U	13 (1.3)	J+	2.8	5.6		2.2	9.1	J	2.8	9.6		3.9	13 (1.3)	J+	4.0	7.8		2.2	0.71	J	2.0	6.1		2.1	2.6	J	2.4	6.9		2.3	8.1		2.0	2.4	J	3.8	3.7	U	3.7
trans-Chlordane	6.5	U	16 (1.6)	J+	2.8	7.3	J	2.2	8.8	NJ	2.8	7.3	NJ	3.9	14 (1.4)	J+	4.0	10		2.2	1.4	NJ	2.0	9.8		2.1	7.3	J	2.4	8.3	J	2.3	11	J	2.0	7.9	J	3.8	0.75	NJ	3.7
Toxaphene	650	U	280	UJ	280	220	U	220	280	U	280	390	U	390	400	U	400	220	U	220	200	U	200	210	U	210	240	U	240	230	U	230	200	U	200	380	U	380	370	U	370
Total Organic Carbon	NA		73700		500	41800		500	127000		500	106000		500	181000		500	30900		500	17900		500	28700		500	84400		500	19300		500	11000		500	116000		500	112000		500
Grain Size Distribution:																																										
Total Coarse (%)	NA		77			74.4			60			41.8			38.9			91.9			95.7			89.6			80.8			95			96.3			47.4			45		
Total Fines-Silt/Clay (%)			23			25.6			40			58.2			61.1			8.1			4.3			10.4			19.2			5			3.7			52.6			55		
Reference			32, pp. 88, 242, 243; 51, pp. 15, 127			32, pp. 22, 240; 51, pp. 18, 125			32, pp. 96, 243; 51, pp. 15, 128			32, pp. 102, 243; 51, pp. 15, 173			32, pp. 110, 243, 244; 51, pp. 15, 174			32, pp. 116, 244; 51, pp. 15, 175			32, pp. 122, 244; 51, pp. 16, 176			32, pp. 128, 244; 51, pp. 16, 177			32, pp. 134, 244, 245; 51, pp. 16, 178			32, pp. 140, 245; 51, pp. 16, 179			32, pp. 146, 245; 51, pp. 16, 180			32, pp. 152, 245, 246; 51, pp. 16, 17, 181			35, pp. 28, 100; 51, pp. 17, 182		

Sample Purpose:			Coney Island Island Creek Samples																																					
Field Sample ID:	3x Maximum Background, or Highest Reportig Detection Limit		6100-SED09B			6100-SED26B			6100-SED09C			6100-SED10A			6100-SED10B			6100-SED10C			6100-SED11A			6100-SED11B			6100-SED11C			6100-SED12A			6100-SED12B			6100-SED13A			6100-SED13B		
CLP ID:			BG583			BG514			BG584			BG585			BG586			BG587			BG588			BG589			BG590			BG591			BG592			BG594			BG595		
Date:			4/23/2021			4/23/2021			4/23/2021			4/26/2021			4/26/2021			4/26/2021			4/26/2021			4/26/2021			4/26/2021			4/26/2021			4/26/2021			4/26/2021			4/26/2021		
Depth Interval (ft bss):			2 - 4			2 - 4			0 - 2			0 - 1.8			1.8 - 3.6			3.6 - 5.5			0 - 1.1			1.1 - 2.4			2.4 - 3.4			0 - 1.2			1.2 - 2.4			0 - 2			2 - 4		
Comments:						Duplicate of 6100-SED09B																																				
Aroclors	**Value**	**Q**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**
Aroclor-1016	130	U	55	U	55	43	U	43	53	U	53	75	U	75	77	U	77	43	U	43	39	U	39	40	U	40	46	U	46	45	U	45	39	U	39	73	U	73	71	U	71
Aroclor-1221	130	U	55	U	55	43	U	43	53	U	53	75	U	75	77	U	77	43	U	43	39	U	39	40	U	40	46	U	46	45	U	45	39	U	39	73	U	73	71	U	71
Aroclor-1232	130	U	55	U	55	43	U	43	53	U	53	75	U	75	77	U	77	43	U	43	39	U	39	40	U	40	46	U	46	45	U	45	39	U	39	73	U	73	71	U	71
Aroclor-1242	130	U	55	U	55	43	U	43	53	U	53	75	U	75	77	U	77	43	U	43	39	U	39	40	U	40	46	U	46	45	U	45	39	U	39	73	U	73	71	U	71
Aroclor-1248	183	J	150	J	55	54	J	43	50	J	53	42	J	75	98	J	77	100		43	10	J	39	28	J	40	27	J	46	77	J	45	45		39	27	J	73	71	U	71
Aroclor-1254	130	U	110	J	55	35	J	43	48	J	53	41	J	75	72	J	77	55	J	43	13	J	39	32	J	40	46	U	46	43	J	45	42		39	28	J	73	71	U	71
Aroclor-1260	130	U	55	U	55	43	U	43	53	U	53	75	U	75	77	U	77	43	U	43	39	U	39	40	U	40	46	U	46	45	U	45	39	U	39	73	U	73	71	U	71
Aroclor-1262	130	U	55	U	55	43	U	43	53	U	53	75	U	75	77	U	77	43	U	43	39	U	39	40	U	40	46	U	46	45	U	45	39	U	39	73	U	73	71	U	71
Aroclor-1268	130	U	55	U	55	43	U	43	53	U	53	75	U	75	77	U	77	43	U	43	39	U	39	40	U	40	46	U	46	45	U	45	39	U	39	73	U	73	71	U	71
Total Organic Carbon	NA		73700		500	41800		500	127000		500	106000		500	181000		500	30900		500	17900		500	28700		500	84400		500	19300		500	11000		500	116000		500	112000		500
Grain Size Distribution:																																										
Total Coarse (%)	NA		77			74.4			60			41.8			38.9			91.9			95.7			89.6			80.8			95			96.3			47.4			45		
Total Fines-Silt/Clay (%)			23			25.6			40			58.2			61.1			8.1			4.3			10.4			19.2			5			3.7			52.6			55		
Reference			32, pp. 87, 248; 51, pp. 15, 127			32, pp. 21, 247; 51, pp. 18, 125			32, pp. 95, 248; 51, pp. 15, 128			32, pp. 101, 248; 51, pp. 15, 173			32, pp. 109, 248; 51, pp. 15, 174			32, pp. 115, 248; 51, pp. 15, 175			32, pp. 121, 248, 249; 51, pp. 16, 176			32, pp. 127, 249; 51, pp. 16, 177			32, pp. 133, 249; 51, pp. 16, 178			32, pp. 139, 249; 51, pp. 16, 179			32, pp. 145, 249; 51, pp. 16, 180			32, pp. 151, 249; 51, pp. 16, 17, 181			35, pp. 27, 102; 51, pp. 17, 182		

All results are reported in micrograms per kilogram (µg/kg)
ft bss = feet below sediment surface
RDL = Reporting Detection Limit, equivalent to the adjusted Contract Required Quantitation limit (ACRQL)
Q = Validator's Qualifier
Data Qualifiers:

U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the ACRQL for sample and method [Ref. 32, p. 2]
J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL) [Ref. 32, p. 2]. Values qualified J due to issues of quality control as determined by the Data Validator are not considered for selection of maximum background or for evaluation of observed release/observed contamination.
J+ = The result is an estimated quantity, but the result may be biased high [Ref. 30, p. 2]
J- = The result is an estimated quantity, but the result may be biased low [Ref. 30, p. 2]
UJ = The analyte was not detected at a level greater than or equal to the ACRQL. However, the reported ACRQL is approximate and may be innacurate or imprecise [Ref. 30, p. 2]
NJ = The analysis indicates the presence of an analyte that has been "tentatively identified' and the associated numerical value represents its approximate concentration [Ref. 30, p. 2]

Values in parentheses have been adjusted per EPA Fact Sheet *Using Quaified Data to Document an Observed Release and Observed Contamination* [Ref. 53, pp. 5–8, 16, 17]
YELLOW HIGHLIGHT indicates that the result meets observed release/observed contamination criteria (≥ 3x maximum background, or ≥ highest RDL if no background detections)

TABLE 2C
SEDIMENT ANALYTICAL DATA - PESTICIDES AND AROCLORS
CONEY ISLAND CREEK

Sample Purpose:			Coney Island Creek Samples																																			
Field Sample ID:	3x Maximum Background, or Highest Reportig Detection Limit		6100-SED13C			6100-SED14A			6100-SED15A			6100-SED27A			6100-SED15B			6100-SED16A			6100-SED17A			6100-SED18A			6100-SED19A			6100-SED20A			6100-SED21A		
CLP ID:			BG596			BG597			BG5A0			BG516			BG5A1			BG5A3			BG5A6			BG5A9			BG5B2			BG5B5			BG4Z8		
Date:			4/26/2021			4/27/2021			4/27/2021			4/27/2021			4/27/2021			4/27/2021			4/27/2021			4/27/2021			4/27/2021			4/27/2021			4/15/2021		
Depth Interval (ft bss):			4 - 6			0 - 2.4			0 - 2			0 - 2			2 - 4			0 - 0.2			0 - 0.5			0 - 0.2			0 - 0.5			0 - 0.2			0 - 0.5		
Comments:												Duplicate of 6100-SED15A																									
Pesticides	**Value**	**Q**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**
alpha-BHC	6.5	U	2.8	U	2.8	2.3	U	2.3	4.0	U	4.0	4.8	U	4.8	2.5	U	2.5	2.7	U	2.7	3.7	U	3.7	2.4	U	2.4	5.2	U	5.2	3.3	U	3.3	3.9	U	3.9			
beta-BHC	6.5	U	0.61	NJ	2.8	2.3	U	2.3	4.0	U	4.0	4.8	U	4.8	2.5	U	2.5	2.7	U	2.7	3.7	U	3.7	2.4	U	2.4	5.2	U	5.2	3.3	U	3.3	3.9	U	3.9			
delta-BHC	6.5	U	0.38	J	2.8	0.74	J	2.3	4.0	U	4.0	4.8	U	4.8	2.5	U	2.5	2.7	U	2.7	3.7	U	3.7	2.4	U	2.4	0.93 (0.09)	J+	5.2	3.3	U	3.3	0.49	J	3.9			
gamma-BHC (Lindane)	6.5	U	2.8	U	2.8	2.3	U	2.3	4.0	U	4.0	4.8	U	4.8	2.5	U	2.5	2.7	U	2.7	3.7	U	3.7	2.4	U	2.4	5.2	U	5.2	3.3	U	3.3	1.4	J	3.9			
Heptachlor	6.5	U	2.8	U	2.8	2.3	U	2.3	4.0	U	4.0	4.8	U	4.8	2.5	U	2.5	2.7	U	2.7	3.7	U	3.7	2.4	U	2.4	5.2	U	5.2	3.3	U	3.3	3.9	U	3.9			
Aldrin	6.5	U	0.39	J	2.8	2.3	U	2.3	4.0	U	4.0	4.8	U	4.8	2.5	U	2.5	2.7	U	2.7	3.7	U	3.7	2.4	U	2.4	5.2	U	5.2	3.3	U	3.3	3.9	U	3.9			
Heptachlor epoxide	6.5	U	2.8	U	2.8	0.65	J	2.3	4.0	U	4.0	4.8	U	4.8	2.5	U	2.5	2.7	U	2.7	3.7	U	3.7	2.4	U	2.4	5.2	U	5.2	3.3	U	3.3	3.9	U	3.9			
Endosulfan I	6.5	U	2.8	U	2.8	2.3	U	2.3	4.0	U	4.0	4.8	U	4.8	2.5	U	2.5	2.7	U	2.7	3.7	U	3.7	2.4	U	2.4	5.2	U	5.2	3.3	U	3.3	3.9	U	3.9			
Dieldrin	13	U	5.4	U	5.4	2.7	J	4.4	7.9	U	7.9	9.4	U	9.4	4.9	U	4.9	0.29	NJ	5.2	0.54	NJ	7.3	4.7	U	4.7	0.53	NJ	10	0.32	NJ	6.5	0.70	NJ	7.6			
4,4'-DDE	1.56	J	5.4	U	5.4	0.33	NJ	4.4	7.9	U	7.9	9.4	U	9.4	4.9	U	4.9	0.16	NJ	5.2	0.71	NJ	7.3	4.7	U	4.7	0.61	NJ	10	0.97	J	6.5	1.5	J	7.6			
Endrin	13	U	5.4	U	5.4	4.4	U	4.4	7.9	U	7.9	9.4	U	9.4	4.9	U	4.9	5.2	U	5.2	7.3	U	7.3	4.7	U	4.7	10	U	10	6.5	U	6.5	0.62	J	7.6			
Endosulfan II	13	U	5.4	U	5.4	4.4	U	4.4	7.9	U	7.9	9.4	U	9.4	4.9	U	4.9	5.2	U	5.2	7.3	U	7.3	0.35 (0.03)	J+	4.7	10	U	10	6.5	U	6.5	3.0	J	7.6			
4,4'-DDD	13	U	0.48	NJ	5.4	2.9	J	4.4	7.9	U	7.9	9.4	U	9.4	4.9	U	4.9	0.81	NJ	5.2	2.1	J	7.3	0.52 (0.05)	J+	4.7	1.7 (0.17)	J+	10	1.7	J	6.5	4.9	J	7.6			
Endosulfan Sulfate	13	U	0.83	J	5.4	4.4	U	4.4	7.9	U	7.9	9.4	U	9.4	4.9	U	4.9	5.2	U	5.2	7.3	U	7.3	4.7	U	4.7	10	U	10	6.5	U	6.5	7.6	U	7.6			
4,4'-DDT	13	U	5.4	U	5.4	1.4	J	4.4	7.9	U	7.9	9.4	U	9.4	4.9	U	4.9	5.2	U	5.2	3.2	J	7.3	4.7	U	4.7	10	U	10	0.64	J	6.5	2.6	J	7.6			
Methoxychlor	65	U	28	U	28	23	U	23	41	U	41	48	U	48	25	U	25	27	U	27	38	U	38	24	U	24	52	U	52	34	U	34	39	U	39			
Endrin ketone	13	U	5.4	U	5.4	4.4	U	4.4	7.9	U	7.9	9.4	U	9.4	4.9	U	4.9	5.2	U	5.2	7.3	U	7.3	4.7	U	4.7	10	U	10	6.5	U	6.5	7.6	U	7.6			
Endrin Aldehyde	13	U	5.4	U	5.4	4.4	U	4.4	7.9	U	7.9	9.4	U	9.4	4.9	U	4.9	5.2	U	5.2	7.3	U	7.3	4.7	U	4.7	10	U	10	6.5	U	6.5	7.6	U	7.6			
cis-Chlordane	6.5	U	2.8	U	2.8	9.2	J	2.3	4.0	U	4.0	0.36	J	4.8	2.5	U	2.5	0.64	J	2.7	1.6	J	3.7	0.37 (0.03)	J+	2.4	2.4 (0.24)	J+	5.2	2.9	J	3.3	3.3	J	3.9			
trans-Chlordane	6.5	U	2.5	J	2.8	9.3	J	2.3	4.0	U	4.0	4.8	U	4.8	2.5	U	2.5	0.41	J	2.7	0.85	NJ	3.7	0.36	NJ	2.4	1.5	NJ	5.2	2.8	NJ	3.3	3.0	J	3.9			
Toxaphene	650	U	280	U	280	230	U	230	400	U	400	480	U	480	250	U	250	270	U	270	370	U	370	240	U	240	520	U	520	330	U	330	390	U	390			
Total Organic Carbon	NA		76000		500	24800		500	66500		500	97400		500	31400		500	10900		250	97800		500	9780		250	138000		500	21100		500	132000		500			
Grain Size Distribution:																																						
Total Coarse (%)	NA		41.7			70.1			14.9			10.6			51.1			89.9			49.4			90.7			18.2			82.7			59.2					
Total Fines-Silt/Clay (%)			58.3			29.9			85.1			89.4			48.9			10.1			50.6			9.3			81.8			17.3			40.8					
Reference			35, pp. 36, 101; 51, pp. 17, 183			33, pp. 26, 121, 122; 51, pp. 17, 184			33, pp. 36, 122; 51, pp. 17, 185			33, pp. 20, 121; 51, pp. 18, 19, 169			33, pp. 42, 122; 51, pp. 19, 186			33, pp. 48, 122, 123; 51, pp. 17, 162			33, pp. 54, 123; 51, pp. 18, 187			33, pp. 62, 123; 51, pp. 18, 165			33, pp. 68, 123; 51, pp. 18, 188			33, pp. 76, 123, 124; 51, pp. 18, 189			30, pp. 20, 188; 51, pp. 11, 30					

Sample Purpose:			Coney Island Creek Samples																																			
Field Sample ID:	3x Maximum Background, or Highest Reportig Detection Limit		6100-SED13C			6100-SED14A			6100-SED15A			6100-SED27A			6100-SED15B			6100-SED16A			6100-SED17A			6100-SED18A			6100-SED19A			6100-SED20A			6100-SED21A		
CLP ID:			BG596			BG597			BG5A0			BG516			BG5A1			BG5A3			BG5A6			BG5A9			BG5B2			BG5B5			BG4Z8		
Date:			4/26/2021			4/27/2021			4/27/2021			4/27/2021			4/27/2021			4/27/2021			4/27/2021			4/27/2021			4/27/2021			4/27/2021			4/15/2021		
Depth Interval (ft bss):			4 - 6			0 - 2.4			0 - 2			0 - 2			2 - 4			0 - 0.2			0 - 0.5			0 - 0.2			0 - 0.5			0 - 0.2			0 - 0.5		
Comments:												Duplicate of 6100-SED15A																									
Aroclors	**Value**	**Q**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**
Aroclor-1016	130	U	54	U	54	44	U	44	78	U	78	94	U	94	49	U	49	52	U	52	73	U	73	47	U	47	100	U	100	65	UJ	65	76	U	76			
Aroclor-1221	130	U	54	U	54	44	U	44	78	U	78	94	U	94	49	U	49	52	U	52	73	U	73	47	U	47	100	U	100	65	UJ	65	76	U	76			
Aroclor-1232	130	U	54	U	54	44	U	44	78	U	78	94	U	94	49	U	49	52	U	52	73	U	73	47	U	47	100	U	100	65	UJ	65	76	U	76			
Aroclor-1242	130	U	54	U	54	44	U	44	78	U	78	94	U	94	49	U	49	52	U	52	73	U	73	47	U	47	100	U	100	65	UJ	65	76	U	76			
Aroclor-1248	183	J	54	U	54	44	U	44	78	U	78	94	U	94	49	U	49	52	U	52	73	U	73	47	U	47	100	U	100	65	UJ	65	27	J	76			
Aroclor-1254	130	U	54	U	54	44	U	44	78	U	78	94	U	94	49	U	49	52	U	52	73	U	73	47	U	47	100	U	100	65	UJ	65	34	J	76			
Aroclor-1260	130	U	54	U	54	16	J	44	78	U	78	94	U	94	49	U	49	52	U	52	73	U	73	47	U	47	100	U	100	65	UJ	65	76	U	76			
Aroclor-1262	130	U	54	U	54	44	U	44	78	U	78	94	U	94	49	U	49	52	U	52	73	U	73	47	U	47	100	U	100	65	UJ	65	76	U	76			
Aroclor-1268	130	U	54	U	54	44	U	44	78	U	78	94	U	94	49	U	49	52	U	52	73	U	73	47	U	47	100	U	100	65	UJ	65	76	U	76			
Total Organic Carbon	NA		76000		500	24800		500	66500		500	97400		500	31400		500	10900		250	97800		500	9780		250	138000		500	21100		500	132000		500			
Grain Size Distribution:																																						
Total Coarse (%)	NA		41.7			70.1			14.9			10.6			51.1			89.9			49.4			90.7			18.2			82.7			59.2					
Total Fines-Silt/Clay (%)			58.3			29.9			85.1			89.4			48.9			10.1			50.6			9.3			81.8			17.3			40.8					
Reference			35, pp. 35, 102, 103; 51, pp. 17, 183			33, pp. 25, 125; 51, pp. 17, 184			33, pp. 35, 125; 51, pp. 17, 185			33, pp. 19, 125; 51, pp. 18, 19, 169			33, pp. 41, 125; 51, pp. 19, 186			33, pp. 47, 125, 126; 51, pp. 17, 162			33, pp. 53, 126; 51, pp. 18, 187			33, pp. 61, 126; 51, pp. 18, 165			33, pp. 67, 126; 51, pp. 18, 188			33, pp. 75, 126; 51, pp. 18, 189			30, pp. 19, 194; 51, pp. 11, 30					

All results are reported in micrograms per kilogram (µg/kg)
ft bss = feet below sediment surface
RDL = Reporting Detection Limit, equivalent to the adjusted Contract Required Quantitation limit (ACRQL)
Q = Validator's Qualifier
Data Qualifiers:

U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the ACRQL for sample and method [Ref. 35, p. 2]
J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL) [Ref. 35, p. 2]. Values qualified J due to issues of quality control as determined by the Data Validator are not considered for selection of maximum background or for evaluation of observed release/observed contamination.
J+ = The result is an estimated quantity, but the result may be biased high [Ref. 35, p. 2]
NJ = The analysis indicates the presence of an analyte that has been "tentatively identified' and the associated numerical value represents its approximate concentration [Ref. 35, p. 2]

Values in parentheses have been adjusted per EPA Fact Sheet *Using Quaified Data to Document an Observed Release and Observed Contamination* [Ref. 53, pp. 5–8, 16, 17]

TABLE 2D
SEDIMENT ANALYTICAL DATA - INORGANIC
CONEY ISLAND CREEK

| Sample Purpose: | Background Samples from Shell Bank Creek | | |

TABLE 2D
SEDIMENT ANALYTICAL DATA - INORGANIC
CONEY ISLAND CREEK

Sample Purpose:		Coney Island Creek Samples																																	
Field Sample ID:	3x Maximum	6100-SED01A			6100-SED01B			6100-SED01C			6100-SED02A			6100-SED02B			6100-SED02C			6100-SED03A			6100-SED03B			6100-SED03C			6100-SED04A			6100-SED04B			6100-SED04C			6100-SED05A		
CLP ID:	Background, or	BG558			BG559			BG560			BG561			BG562			BG563			BG564			BG565			BG566			BG567			BG568			BG569			BG570		
Date:	Highest Reportig	4/19/2021			4/19/2021			4/19/2021			4/19/2021			4/19/2021			4/19/2021			4/19/2021			4/19/2021			4/19/2021			4/19/2021			4/19/2021			4/19/2021			4/19/2021		
Depth Interval (ft bss):	Detection Limit	0 - 1			1 - 2			2 - 3			0 - 2			2 - 4			4 - 6			0 - 1			2 - 4			4 - 6			0 - 2			2 - 4			4 - 6			0 - 2		
Comments:																																									
Metals	**Value**	**Q**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**
Aluminum	66000		1100		24	1100		23	1100		24	17000		39	10000		32	3200		27	18000	J	46	13000	J	44	19000	J	58	4800		31	9700		37	18000	J	58	17000	J	50
Antimony	7.8	J	7.3	U	7.3	7.0	U	7.0	7.2	U	7.2	12	U	12	9.6	U	9.6	8.0	U	8.0	14	UJ	14	13	UJ	13	17	UJ	17	9.3	U	9.3	11	U	11	17	UJ	17	15	UJ	15
Arsenic	54	J	0.77	J	1.2	0.98	J	1.2	1.1	J	1.2	25		2.0	9.9		1.6	2.1		1.3	22	J	2.3	17	J	2.2	13	J	2.9	5.4		1.5	12		1.8	14	J	2.9	25	J	2.5
Barium	390	J	24	U	24	23	U	23	24	U	24	220		39	93		32	27	U	27	190	J	46	220	J	44	110	J	58	64		31	160		37	130	J	58	320	J	50
Beryllium	3.6		0.058	J	0.60	0.055	J	0.58	0.059	J	0.60	0.88	J	0.98	0.53	J	0.80	0.16	J	0.67	1.0	J	1.2	0.71	J	1.1	0.95	J	1.4	0.28	J	0.77	0.55	J	0.92	0.92	J	1.4	0.83	J	1.2
Cadmium	7.2	J	0.60	U	0.60	0.58	U	0.58	0.60	U	0.60	4.2		0.98	3.6		0.80	0.21	J	0.67	5.1	J	1.2	7.2	J	1.1	2.8	J	1.4	1.4		0.77	5.0		0.92	5.4	J	1.4	15	J	1.2
Calcium	12900	J	600	U	600	580	U	580	680		600	8000		980	3900		800	2000		670	6800	J	1200	5200	J	1100	9400	J	1400	1500		770	3300		920	7500	J	1400	8300	J	1200
Chromium	228	J	3.3		1.2	3.0		1.2	3.5		1.2	130		2.0	110		1.6	13		1.3	170	J	2.3	190	J	2.2	130	J	2.9	43		1.5	130		1.8	160	J	2.9	230	J	2.5
Cobalt	51		1.2	J	6.0	1.2	J	5.8	1.0	J	6.0	11		9.8	6.9	J	8.0	2.7	J	6.7	11	J	12	8.5	J	11	12	J	14	3.4	J	7.7	6.5	J	9.2	12	J	14	11	J	12
Copper	1260	J	1.6	J	3.0	1.3	J	2.9	1.7	J	3.0	550		4.9	170		4.0	16		3.3	260	J	5.8	340	J	5.5	200	J	7.2	82		3.9	250		4.6	300	J	7.2	670	J	6.2
Iron	144000	J	2500		12	2100		12	2400		12	32000		20	20000		16	6500		13	35000	J	23	26000	J	22	36000	J	29	10000		15	23000		18	35000	J	29	35000	J	25
Lead	990	J	4.1	J	1.2	2.2		1.2	3.2		1.2	370		2.0	240		1.6	23		1.3	320	J	2.3	450	J	2.2	240	J	2.9	110		1.5	400		1.8	390	J	2.9	1000	J	2.5
Magnesium	25200	J	730		600	700		580	730		600	7100		980	5000		800	2100		670	8000	J	1200	6000	J	1100	9900	J	1400	2200		770	4400		920	9000	J	1400	8000	J	1200
Manganese	1260		22		1.8	20		1.8	24		1.8	330		2.9	190		2.4	60		2.0	370	J	3.5	230	J	3.3	430	J	4.3	94		2.3	170		2.8	360	J	4.3	270	J	3.7
Nickel	330		3.6	J	4.8	3.2	J	4.7	3.3	J	4.8	45		7.8	34		6.4	8.8		5.3	44	J	9.2	47	J	8.9	46	J	12	13		6.2	35		7.3	51	J	12	84	J	10
Potassium	12000	J	310	J	600	310	J	580	330	J	600	3800		980	2400		800	930		670	4500	J	1200	3000	J	1100	4800	J	1400	1200		770	2200		920	4700	J	1400	3700	J	1200
Selenium	11	U	4.2	U	4.2	4.1	U	4.1	4.2	U	4.2	1.3	J	6.8	5.6	U	5.6	4.7	U	4.7	1.4	J	8.1	1.4	J	7.7	10	UJ	10	5.4	U	5.4	1.0	J	6.4	10	UJ	10	1.5	J	8.7
Silver	4.2	J	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	5.7		2.0	4.2		1.6	0.30	J	1.3	6.3	J	2.3	7.9	J	2.2	5.7	J	2.9	1.6		1.5	5.3		1.8	6.8	J	2.9	10	J	2.5
Sodium	57000	J	1600		600	1800		580	1600		600	6900		980	6300		800	3100		670	12000	J	1200	11000	J	1100	17000	J	1400	2700		770	5200		920	16000	J	1400	14000	J	1200
Thallium	7.7	U	3.0	U	3.0	2.9	U	2.9	3.0	U	3.0	4.9	U	4.9	4.0	U	4.0	3.3	U	3.3	5.8	UJ	5.8	5.5	UJ	5.5	7.2	UJ	7.2	3.9	U	3.9	4.6	U	4.6	7.2	UJ	7.2	6.2	UJ	6.2
Vanadium	195	J	3.2	J	6.0	2.8	J	5.8	3.2	J	6.0	50		9.8	36		8.0	9.7		6.7	55	J	12	67	J	11	53	J	14	17		7.7	45		9.2	56	J	14	130	J	12
Zinc	1440	J	11		7.3	7.1		7.0	10		7.2	540		12	300		9.6	60		8.0	500	J	14	710	J	13	370	J	17	180		9.3	550		11	570	J	17	1400	J	15
Mercury	27	J	0.12	UJ	0.12	0.11	UJ	0.11	0.12	UJ	0.12	4	J-	0.58	2.2	J-	0.32	0.085	J-	0.13	4	J-	0.66	3.7	J-	0.45	2.5	J-	0.30	1.1	J-	0.15	3	J-	0.52	1.8	J-	0.30	5.5	J-	0.75
Cyanide	1.3	U	0.60	U	0.60	0.61	U	0.61	0.59	U	0.59	0.92	U	0.92	0.83	U	0.83	0.63	U	0.63	1.1	UJ	1.1	1.1	UJ	1.1	1.5	J	1.4	0.77	U	0.77	0.92	U	0.92	1.5	UJ	1.5	5.5	J	1.2
Total Organic Carbon	NA		373		250	404		250	658		250	11600		500	50600		500	9700		500	72600		500	48400		500	58100		500	18200		500	68800		500	82200		500	107000		500
Grain Size Distribution:																																									
Total Coarse (%)	NA		98.4			98.3			98.2			5.3			49.6			93.6			3.5			31			4.5			94.2			61.9			11.5			22.4		
Total Fines-Silt/Clay (%)			1.6			1.7			1.8			94.7			50.4			6.4			96.5			69			95.5			5.8			38.1			88.5			77.6		
Reference			36, pp. 14-16, 73, 79; 51, pp. 8, 31			36, pp. 25-27, 74, 79; 51, pp. 8, 32			36, pp. 28-30, 74, 79; 51, pp. 8, 33			36, pp. 31-33, 74, 79; 51, pp. 8, 47			36, pp. 34-36, 75, 79; 51, pp. 8, 48			36, pp. 37-39, 75, 79; 51, pp. 8, 9, 49			36, pp. 40-42, 75, 79, 80; 51, pp. 9, 50			36, pp. 43-45, 76, 79, 80; 51, pp. 9, 51			36, pp. 46-48, 76, 79, 80; 51, pp. 9, 52			36, pp. 49-51, 76, 79, 80; 51, pp. 9, 53			36, pp. 52-54, 77, 79, 80; 51, pp. 9, 54			36, pp. 55-57, 77, 79, 80; 51, pp. 10, 55			36, pp. 58-60, 77, 79, 80; 51, pp. 10, 56		

All concentrations presented in milligrams per kilogram (mg/kg)
ft bss = feet below sediment surface
RDL = Reporting Detection Limit, equivalent to the adjusted Contract Required Quantitation Limit (ACRQL)
NA = not applicable
Q = Validation Qualifier
Data Qualifiers:
U = The analyte was analyzed for, but was not detected above the level of the reported quantitation limit. [Ref. 36, p. 2]
J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample. [Ref. 36, p. 2]
J- = The result is an estimated quantity, but the result may be biased low [Ref. 36, p. 2]
UJ = The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise [Ref. 36, p. 2]
YELLOW HIGHLIGHT indicates that the result meets observed release/observed contamination criteria (≥ 3x maximum background, or ≥ highest RDL if no background detections)

TABLE 2D
SEDIMENT ANALYTICAL DATA - INORGANIC
CONEY ISLAND CREEK

Sample Purpose:		Coney Island Creek Samples																																	
Field Sample ID:	3x Maximum	6100-SED05B			6100-SED05C			6100-SED06A			6100-SED06B			6100-SED06C			6100-SED07A			6100-SED07B			6100-SED07C			6100-SED26C			6100-SED08A			6100-SED08B			6100-SED08C			6100-SED09A		
CLP ID:	Background, or	BG571			BG572			BG573			BG574			BG575			BG576			BG577			BG578			BG515			BG579			BG580			BG581			BG582		
Date:	Highest Reportig	4/19/2021			4/19/2021			4/20/2021			4/20/2021			4/20/2021			4/26/2021			4/26/2021			4/26/2021			4/26/2021			4/23/2021			4/23/2021			4/23/2021			4/23/2021		
Depth Interval (ft bss):	Detection Limit	2 - 4			4 - 6			0 - 1.5			1.5 - 3			3 - 4.5			0 - 2			2 - 4			4 - 6			4 - 6			0 - 1.5			3 - 4.5			3 - 4.5			4 - 6		
Comments:																											Duplicate of 6100-SED07C														
Metals	**Value**	**Q**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**
Aluminum	66000		18000	J	60	19000	J	58	2200		24	1800		23	1100		26	19000	J	57	17000	J	55	14000	J	50	14000	J	48	4100		27	1100		21	4100		27	5200		28
Antimony	7.8	J	18	UJ	18	17	UJ	17	7.2	U	7.2	7.0	U	7.0	7.8	U	7.8	17	UJ	17	16	UJ	16	15	UJ	15	14	UJ	14	8.2	U	8.2	6.3	U	6.3	8.2	U	8.2	1.2	J	8.5
Arsenic	54	J	20	J	3.0	12	J	2.9	1.6		1.2	1.5		1.2	0.80	J	1.3	12	J	2.9	17	J	2.7	18	J	2.5	18	J	2.4	5.2		1.4	1.5		1.0	7.8		1.4	8.8		1.4
Barium	390	J	230	J	60	110	J	58	24	U	24	23	U	23	26	U	26	130	J	57	210	J	55	230	J	50	230	J	48	81		27	22		21	110		27	200		28
Beryllium	3.6		0.92	J	1.5	0.98	J	1.5	0.60	U	0.60	0.58	U	0.58	0.65	U	0.65	0.93	J	1.4	0.82	J	1.4	0.70	J	1.3	0.69	J	1.2	0.68	U	0.68	0.52	U	0.52	0.68	U	0.68	0.71	U	0.71
Cadmium	7.2	J	11	J	1.5	2.7	J	1.5	0.60	U	0.60	0.066	J	0.58	0.17	J	0.65	4.3	J	1.4	11	J	1.4	11	J	1.3	11	J	1.2	4.3		0.68	0.45	J	0.52	3.6		0.68	6.4		0.71
Calcium	12900	J	9500	J	1500	9300	J	1500	600	U	600	580	U	580	650	U	650	7800	J	1400	8500	J	1400	7600	J	1300	6800	J	1200	2900		680	4000		520	1400		680	2800		710
Chromium	228	J	290	J	3.0	94	J	2.9	5.5		1.2	4.9		1.2	5.5		1.3	110	J	2.9	240	J	2.7	210	J	2.5	200	J	2.4	62		1.4	7.2		1.0	44		1.4	49		1.4
Cobalt	51		12	J	15	13	J	15	1.6	J	6.0	1.5	J	5.8	1.0	J	6.5	12	J	14	11	J	14	9.7	J	13	9.6	J	12	3.7	J	6.8	1.2	J	5.2	3.3	J	6.8	4.7	J	7.1
Copper	1260	J	580	J	7.4	200	J	7.3	1.7	J	3.0	1.7	J	2.9	8.0		3.3	310	J	7.1	630	J	6.9	580	J	6.3	560	J	6.0	220		3.4	22		2.6	190		3.4	380		3.5
Iron	144000	J	37000	J	30	36000	J	29	4100		12	3500		12	2100		13	33000	J	29	32000	J	27	28000	J	25	27000	J	24	8400		14	4200		10	7400		14	14000		14
Lead	990	J	930	J	3.0	270	J	2.9	2.2		1.2	2.6		1.2	12		1.3	450	J	2.9	1100	J	2.7	940	J	2.5	890	J	2.4	490		1.4	46		1.0	350		1.4	720		1.4
Magnesium	25200	J	9000	J	1500	10000	J	1500	1100		600	910		580	650	U	650	9900	J	1400	8300	J	1400	6800	J	1300	6700	J	1200	2300		680	690		520	2000		680	2800		710
Manganese	1260		320	J	4.5	360	J	4.4	41		1.8	38		1.7	20		2.0	310	J	4.3	270	J	4.1	210	J	3.8	210	J	3.6	63		2.0	25		1.6	57		2.1	82		2.1
Nickel	330		74	J	12	47	J	12	3.9	J	4.8	3.8	J	4.7	3.2	J	5.2	52	J	11	72	J	11	70	J	10	66	J	9.6	28		5.4	4.5		4.2	20		5.5	38		5.7
Potassium	12000	J	4400	J	1500	4900	J	1500	600		600	500	J	580	340	J	650	4700	J	1400	4000	J	1400	3200	J	1300	3200	J	1200	1000		680	280	J	520	1000		680	1100		710
Selenium	11	U	1.8	J	10	10	UJ	10	4.2	U	4.2	4.1	U	4.1	4.6	U	4.6	10	UJ	10	9.6	UJ	9.6	1.5	J	8.8	1.5	J	8.4	0.81	J	4.8	3.7	U	3.7	4.8	U	4.8	1.4	J	5.0
Silver	4.2	J	11	J	3.0	4.1	J	2.9	1.2	U	1.2	1.2	U	1.2	1.3	U	1.3	5	J	2.9	9.3	J	2.7	8.2	J	2.5	8.4	J	2.4	2.4		1.4	1.0	U	1.0	2.2		1.4	3.7		1.4
Sodium	57000	J	18000	J	1500	18000	J	1500	1800		600	1800		580	1700		650	16000	J	1400	15000	J	1400	12000	J	1300	11000	J	1200	3600		680	1600		520	3500		680	4400		710
Thallium	7.7	U	7.4	UJ	7.4	7.3	UJ	7.3	3.0	U	3.0	2.9	U	2.9	3.3	U	3.3	7.1	UJ	7.1	6.9	UJ	6.9	6.3	UJ	6.3	6.0	UJ	6.0	3.4	U	3.4	2.6	U	2.6	3.4	U	3.4	3.5	U	3.5
Vanadium	195	J	100	J	15	56	J	15	6.7		6.0	6.1		5.8	3.9	J	6.5	63	J	14	92	J	14	110	J	13	100	J	12	39		6.8	4.3	J	5.2	34		6.8	67		7.1
Zinc	1440	J	910	J	18	500	J	17	8.7		7.2	8.5		7.0	22		7.8	670	J	17	1000	J	16	1000	J	15	1000	J	14	410		8.2	89		6.3	480		8.2	920		8.5
Mercury	27	J	5.5	J-	0.88	1.3	J-	0.31	0.11	UJ	0.11	0.12	UJ	0.12	0.064	J-	0.13	1.8	J	0.30	4.3	J	0.53	4.2	J	0.68	3.5	J	0.46	0.76		0.14	0.12		0.11	1.3		0.14	1.8		0.15
Cyanide	1.3	U	1.5	UJ	1.5	1.5	UJ	1.5	0.52	U	0.52	0.54	U	0.54	0.59	U	0.59	1.5	UJ	1.5	0.75	J	1.3	1.3	J	1.3	0.52	J	1.2	0.68	U	0.68	0.57	U	0.57	0.29	J	0.66	0.81	U	0.81
Total Organic Carbon	NA		129000		500	92200		500	2480		250	2310		250	2220		250	98800		500	132000		500	95000		500	114000		500	9540		250	5600		250	12500		250	46300		500
Grain Size Distribution:																																										
Total Coarse (%)	NA		3			3.4			93.5			89.5			95			4.8			8.5			21.1						89.7			96			91			68.7		
Total Fines-Silt/Clay (%)			97			96.6			6.5			10.5			5			95.2			91.5			78.9						10.3			4			9			31.3		
Reference			36, pp. 61-63, 78-80; 51, pp. 10, 57			36, pp. 64-66, 78-80; 51, pp. 10, 58			37, pp. 59-61, 78, 80, 81; 51, pp. 10, 89			37, pp. 62-64, 79-81; 51, pp. 10, 11, 90			37, pp. 65-67, 79-81; 51, pp. 11, 91			39, pp. 14-16, 71, 77; 51, pp. 13, 170			39, pp. 26-28, 72, 77; 51, pp. 14, 171			39, pp. 29-31, 72, 77; 51, pp. 14, 172			39, pp. 11-13, 71, 77; 51, p. 168			38, pp. 22-24, 45, 48; 51, pp. 14, 119			38, pp. 25-27, 46, 48; 51, pp. 14, 120			38, pp. 28-30, 46, 48; 51, pp. 14, 121			38, pp. 31-33, 46, 48; 51, pp. 14, 15, 126		

All concentrations presented in milligrams per kilogram (mg/kg)
ft bss = feet below sediment surface
RDL = Reporting Detection Limit, equivalent to the adjusted Contract Required Quantitation Limit (ACRQL)
NA = not applicable
Q = Validation Qualifier
Data Qualifiers:
U = The analyte was analyzed for, but was not detected above the level of the reported quantitation limit. [Ref. 36, p. 2]
J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample. [Ref. 36, p. 2]
J- = The result is an estimated quantity, but the result may be biased low [Ref. 36, p. 2]
UJ = The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise [Ref. 36, p. 2]
YELLOW HIGHLIGHT indicates that the result meets observed release/observed contamination criteria (≥ 3x maximum background, or ≥ highest RDL if no background detections)

TABLE 2D
SEDIMENT ANALYTICAL DATA - INORGANIC
CONEY ISLAND CREEK

| Sample Purpose: | | | Coney Island Creek Samples | | |

TABLE 2D
SEDIMENT ANALYTICAL DATA - INORGANIC
CONEY ISLAND CREEK

Sample Purpose:		Coney Island Creek Samples																											
Field Sample ID:	3x Maximum	6100-SED13C			6100-SED14A			6100-SED15A			6100-SED27A			6100-SED15B			6100-SED16A			6100-SED17A			6100-SED18A			6100-SED19A			6100-SED20A			6100-SED21A		
CLP ID:	Background, or	BG596			BG597			BG5A0			BG516			BG5A1			BG5A3			BG5A6			BG5A9			BG5B2			BG5B5			BG4Z8		
Date:	Highest Reportig	4/26/2021			4/27/2021			4/27/2021			4/27/2021			4/27/2021			4/27/2021			4/27/2021			4/27/2021			4/27/2021			4/27/2021			4/15/2021		
Depth Interval (ft bss):	Detection Limit	4 - 6			0 - 2.4			0 - 2			0 - 2			2 - 4			0 - 0.2			0 - 0.5			0 - 0.2			0 - 0.5			0 - 0.2			0 - 0.5		
Comments:											Duplicate of 6100-SED15A																									
Metals	**Value**	**Q**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**
Aluminum	66000		11000		37	10000		25	16000	J	48	18000	J	62	7900		27	3500		27	10000	J	47	2400		24	14000	J	55	5100		28	9100	J	54
Antimony	7.8	J	11	U	11	1.2	J-	7.5	14	UJ	14	19	UJ	19	8.0	U	8.0	8.0	U	8.0	2.3	J	14	7.3	U	7.3	2.3	J	16	1.4	J	8.3	2.8	J	16
Arsenic	54	J	19		1.8	6.1		1.3	9	J	2.4	15	J	3.1	6.1		1.3	5.7		1.3	26	J	2.4	2.0		1.2	18	J	2.7	6.2		1.4	20	J	2.7
Barium	390	J	510		37	95		25	56	J	48	73	J	62	27	U	27	27	U	27	100	J	47	24	U	24	120	J	55	28	U	28	110	J	54
Beryllium	3.6		0.60	J	0.92	0.43	J	0.63	0.71	J	1.2	0.76	J	1.6	0.39	J	0.67	0.26	J	0.67	0.53	J	1.2	0.17	J	0.61	0.66	J	1.4	0.41	J	0.69	0.40	J	1.4
Cadmium	7.2	J	4.2		0.92	0.31	J	0.63	0.47	J	1.2	1.3	J	1.6	0.23	J	0.67	0.24	J	0.67	1.5	J	1.2	0.20	J	0.61	2.7	J	1.4	0.72		0.69	1.8	J	1.4
Calcium	12900	J	5800		920	1600		630	1900	J	1200	2400	J	1600	1000		670	1900		670	11000	J	1200	1800		610	16000	J	1400	4300		690	14000	J	1400
Chromium	228	J	44		1.8	19		1.3	33	J	2.4	39	J	3.1	17		1.3	16		1.3	68	J	2.4	13		1.2	95	J	2.7	84		1.4	64	J	2.7
Cobalt	51		8.1	J	9.2	5.4	J	6.3	8.3	J	12	9.2	J	16	4.6	J	6.7	2.3	J	6.7	8.7	J	12	1.2	J	6.1	9.8	J	14	2.6	J	6.9	7.8	J	14
Copper	1260	J	290		4.6	56		3.1	44	J	5.9	83	J	7.8	6.4		3.3	34		3.3	250	J	5.9	12		3.1	310	J	6.9	55		3.5	190	J	6.8
Iron	144000	J	24000		18	16000		13	27000	J	24	33000	J	31	18000		13	9600		13	23000	J	24	6200		12	31000	J	27	27000		14	34000	J	27
Lead	990	J	750		1.8	250		1.3	88	J	2.4	190	J	3.1	7.8		1.3	70		1.3	510	J	2.4	23		1.2	470	J	2.7	97		1.4	710	J	2.7
Magnesium	25200	J	4700		920	2700		630	6100	J	1200	7300	J	1600	3100		670	2100		670	9200	J	1200	1200		610	12000	J	1400	3200		690	9900	J	1400
Manganese	1260		150		2.8	170	J	1.9	250	J	3.6	280	J	4.7	170		2.0	55		2.0	160	J	3.5	22		1.8	280	J	4.1	140		2.1	160	J	4.1
Nickel	330		49		7.4	24		5.0	28	J	9.5	34	J	12	14		5.3	7.0		5.3	32	J	9.5	2.8	J	4.9	42	J	11	9.2		5.5	33	J	11
Potassium	12000	J	1800		920	990		630	3900	J	1200	4700	J	1600	2000		670	1300		670	2400	J	1200	1300		610	3300	J	1400	2300		690	2300	J	1400
Selenium	11	U	2.6	J	6.5	1.1	J	4.4	1.9	J	8.3	2.9	J	11	0.76	J	4.7	4.7	U	4.7	2.2	J	8.3	0.64	J	4.3	2.4	J	9.6	1.1	J	4.8	9.5	UJ	9.5
Silver	4.2	J	7.8		1.8	1.3	U	1.3	2.4	UJ	2.4	0.43	J	3.1	1.3	U	1.3	1.3	U	1.3	0.74	J	2.4	1.2	U	1.2	1.8	J	2.7	1.4	U	1.4	2.0	J	2.7
Sodium	57000	J	1000		920	2300		630	10000	J	1200	15000	J	1600	3100		670	2400		670	10000	J	1200	2200		610	7800	J	1400	3600		690	12000	J	1400
Thallium	7.7	U	4.6	U	4.6	3.1	U	3.1	5.9	UJ	5.9	7.8	UJ	7.8	3.3	U	3.3	3.3	U	3.3	5.9	UJ	5.9	3.1	U	3.1	6.9	UJ	6.9	3.5	U	3.5	6.8	UJ	6.8
Vanadium	195	J	34		9.2	27		6.3	39	J	12	48	J	16	20		6.7	13		6.7	43	J	12	9.7		6.1	60	J	14	21		6.9	42	J	14
Zinc	1440	J	1900		11	210	J	7.5	130	J	14	290	J	19	40		8.0	84		8.0	740	J	14	40		7.3	970	J	16	190		8.3	700	J	16
Mercury	27	J	4.1		0.92	0.22	J-	0.13	0.19	J-	0.22	1.9	J-	0.32	0.0086	J-	0.13	0.073	J-	0.13	0.17	J-	0.23	0.29	J-	0.13	0.067	J-	0.29	0.3	J-	0.14	0.4	J-	0.29
Cyanide	1.3	U	2.7		0.94	0.62	UJ	0.62	1.2	UJ	1.2	1.5	UJ	1.5	0.62	U	0.62	0.64	U	0.64	1.2	UJ	1.2	0.65	U	0.65	1.5	UJ	1.5	0.70	U	0.70	1.4	R	1.4
Total Organic Carbon	NA		76000		500	24800		500	66500		500	97400		500	31400		500	10900		250	97800		500	9780		250	138000		500	21100		500	132000		500
Grain Size Distribution:																																					
Total Coarse (%)	NA		41.7			70.1			14.9			10.6			51.1			89.9			49.4			90.7			18.2			82.7			59.2		
Total Fines-Silt/Clay (%)			58.3			29.9			85.1			89.4			48.9			10.1			50.6			9.3			81.8			17.3			40.8		
Reference			39, pp. 62-64, 76, 77; 51, pp. 17, 183			40, pp. 14-16, 52, 56; 51, pp. 17, 184			40, pp. 26-28, 53, 56; 51, pp. 17, 185			40, pp. 11-13, 52, 56; 51, pp. 18, 19, 169			40, pp. 29-31, 53, 56; 51, pp. 19, 186			40, pp. 32-34, 53, 56; 51, pp. 17, 162			40, pp. 35-37, 54, 56; 51, pp. 18, 187			40, pp. 38-40, 54, 56; 51, pp. 18, 165			40, pp. 41-43, 54, 56; 51, pp. 18, 188			40, pp. 44-46, 55, 56; 51, pp. 18, 189			36, pp, 11-13, 73; 51, pp. 11, 30		

All concentrations presented in milligrams per kilogram (mg/kg)
ft bss = feet below sediment surface
RDL = Reporting Detection Limit, equivalent to the adjusted Contract Required Quantitation Limit (ACRQL)
NA = not applicable
Q = Validation Qualifier
Data Qualifiers:

U = The analyte was analyzed for, but was not detected above the level of the reported quantitation limit. [Ref. 39, p. 2]
J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample. [Ref. 39, p. 2]
J- = The result is an estimated quantity, but the result may be biased low [Ref. 39, p. 2]
UJ = The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise [Ref. 39, p. 2]
R = The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample [Ref. 39, p. 2]

YELLOW HIGHLIGHT indicates that the result meets observed release criteria (≥ 3x maximum background, or ≥ highest RDL if no background detections)

Calvert Vaux Park

Six Diamonds Park

Kaiser Park Fishing Pier

6100-SED01A
Depth 0 - 1.1 ft bss
Parameter Result
Silver 6.3 J

6100-SED03B
Depth 2 - 4 ft bss
Parameter Result
Cadmium 7.2 J
Silver 7.9 J

6100-SED03C
Depth 4 - 6 ft bss
Parameter Result
Silver 5.7 J
Cyanide 1.5 J

6100-SED02A
Depth 0 - 2 ft bss
Parameter Result
Silver 5.7

6100-SED02B
Depth 2 - 4 ft bss
Parameter Result
Silver 4.2

6100-SED04B
Depth 2 - 4 ft bss
Parameter Result
Silver 5.3
4,4'-DDD 44 J

6100-SED04C
Depth 4 - 6 ft bss
Parameter Result
Silver 8.8 J

6100-SED11B
Depth 1.1 - 2.4 ft bss
Parameter Result
4,4'-DDE 6.1 J
4,4'-DDD 35
trans-Chlordane 9.8

6100-SED11C
Depth 2.4 - 3.4 ft bss
Parameter Result
4,4'-DDE 8.7 J
4,4'-DDD 21
trans-Chlordane 7.3 J

6100-SED12A
Depth 0 - 1.2 ft bss
Parameter Result
4,4'-DDD 15
cis-Chlordane 6.9
trans-Chlordane 8.3 J

6100-SED12B
Depth 1.2 - 2.4 ft bss
Parameter Result
4,4'-DDD 38
4,4'-DDT 290
cis-Chlordane 8.1
trans-Chlordane 11 J

6100-SED13A
Depth 0 - 2 ft bss
Parameter Result
Barium 390 J
Cadmium 7.9 J
Lead 1,100 J
Silver 9.1 J
Zinc 1,600 J
Phenanthrene 680
Fluoranthene 710 J
Pyrene 990
4,4'-DDE 14 J
trans-Chlordane 7.9 J

6100-SED13B
Depth 2 - 4 ft bss
Parameter Result
Barium 610 J
Lead 1,400 J
Silver 7.8 J
Zinc 1,900 J
Cyanide 2.6 J
Phenanthrene 1,800
Anthracene 700
Fluoranthene 2,700
Pyrene 3,300
Benzo(a)anthracene 1,800
Chrysene 1,700
Benzo(b)fluoranthene 1,500
Benzo(a)pyrene 1,600
Benzo(g,h,i)perylene 660

6100-SED13C
Depth 4 - 6 ft bss
Parameter Result
Barium 510
Silver 7.6
Zinc 1,900
Cyanide 2.7
Phenanthrene 820
Fluoranthene 760
Pyrene 950

6100-SW14
Parameter Result
Iron 600

6100-SED14A
Depth 0 - 2.4 ft bss
Parameter Result
Phenanthrene 810
Fluoranthene 1,300
Pyrene 1,100
Benzo(b)fluoranthene 690

6100-SW20
Parameter Result
Cyanide 40 J-

6100-SED07A
Depth 0 - 2 ft bss
Parameter Result
Silver 5 J

6100-SED07B
Depth 2 - 4 ft bss
Parameter Result
Cadmium 11 J
Chromium 240 J
Lead 1,100 J
Silver 9.3 J

6100-SED07C
Depth 4 - 6 ft bss
Parameter Result
Cadmium 11 J
Silver 8.2 J

6100-SED26C (Duplicate)
Depth 4 - 6 ft bss
Parameter Result
Cadmium 11 J
Silver 8.4 J

6100-SED05A
Depth 0 - 2 ft bss
Parameter Result
Cadmium 15 J
Chromium 230 J
Lead 1,000 J
Silver 10 J
Cyanide 5.5 J

6100-SED05B
Depth 2 - 4 ft bss
Parameter Result
Cadmium 11 J
Chromium 290 J
Silver 11 J

6100-SED10A
Depth 0 - 1.8 ft bss
Parameter Result
Silver 10 J
cis-Chlordane 9.6

6100-SED10B
Depth 1.8 - 3.6 ft bss
Parameter Result
Cadmium 11 J
Lead 1,600 J
Silver 8.1 J
Zinc 1,600 J
Bis(2-ethylhexyl)phthalate 2,200

6100-SED10C
Depth 3.6 - 5.5 ft bss
Parameter Result
1,2,4-Trimethylbenzene 190
4,4'-DDE 7.3 J
4,4'-DDD 21
cis-Chlordane 7.8
trans-Chlordane 10

6100-SED17A
Depth 0 - 0.5 ft bss
Parameter Result
Phenanthrene 920
Fluoranthene 1,600
Pyrene 1,300
Bis(2-ethylhexyl)phthalate 780
Benzo(b)fluoranthene 690

6100-SED09C
Depth 0 - 2 ft bss
Parameter Result
Silver 5.8
Phenanthrene 2,600
Fluoranthene 3,100
Pyrene 2,300
Benzo(a)anthracene 1,000
Chrysene 1,200
Bis(2-ethylhexyl)phthalate 2,100
Benzo(b)fluoranthene 1,400
Benzo(a)pyrene 890
cis-Chlordane 9.1 J

6100-SED09B
Depth 2 - 4 ft bss
Parameter Result
Lead 1,000
Silver 4.9
Bis(2-ethylhexyl)phthalate 2,500

6100-SED26B (Duplicate)
Depth 2 - 4 ft bss
Parameter Result
Phenanthrene 2,200
Fluoranthene 4,500 J
Pyrene 3,700
Benzo(a)anthracene 2,100
Chrysene 2,100
Bis(2-ethylhexyl)phthalate 790
Benzo(b)fluoranthene 2,900
Benzo(k)fluoranthene 820
Benzo(a)pyrene 2,300
Indeno(1,2,3-cd)pyrene 1,200
Benzo(g,h,i)perylene 1,300
4,4'-DDD 17
trans-Chlordane 7.3 J

6100-SED09A
Depth 4 - 6 ft bss
Parameter Result
Fluoranthene 1,000
Pyrene 990
Bis(2-ethylhexyl)phthalate 970
4,4'-DDE 23 J
4,4'-DDD 46
cis-Chlordane 7.7 J
trans-Chlordane 14

0 130 260 520
Scale in Feet

Legend

- Sediment and Surface Water Sample Location
- Sediment Sample Location
- CSO Outfall (Combined Sewage Overflow Outfall)
- MS4 Outfalls (Municipal Separate Storm Sewer System)
- Extent of Cyanide Contamination (Inferred Through Remediated Zone)
- Coney Island Creek
- Area of Observed Sediment Contamination (144,716 sq yards)
- NY Protected Areas Database

Sources:
1. New York Protected Areas Database (NYPAD) New York Natural Heritage Program 625 Broadway Albany, NY 12233-4757, 2017.
2. Weston Solutions, Inc. (WESTON®) Site Assessment Team (SAT V). Site Logbook No. DCN # SAT-V.6100.0001, Coney Island Creek Site Inspection, March 9, 2021 – June 7, 2021. [22 pages]
3. Okwuonu, Israel, USEPA/R2/HWSB/HWSS. Executive Narrative, Case No.: 49391, SDG No.: BG4Z8; with attached analytical data. June 14, 2021. [196 pages], p. 94
4. Okwuonu, Israel, USEPA/R2/HWSB/HWSS. Executive Narrative, Case No.: 49391, SDG No.: BG514; with attached analytical data. June 22, 2021. [250 pages] pp. 23, 24, 80-82, 90, 96-98, 102, 112, 116, 128, 134, 140, 146, 152-154
5. Arnone, Russell, USEPA/R2/HWSB/HWSS. Executive Narrative, Case No.: 49391, SDG No.: BG516; with attached analytical data. June 25, 2021. [127 pages] pp. 27, 28, 55, 56
6. Arnone, Russell, USEPA/R2/HWSB/HWSS. Executive Narrative, Case No.: 49391, SDG No.: BG595; with attached analytical data. June 23, 2021. [103 pages] pp. 29, 30, 37, 38
7. Kumar, Narendra, USEPA/R2/HWSB/HWSS. Executive Narractive, Case No.: 49391, SDG No.: BG4Z8-M; with attached analytical data. June 7, 2021. [80 pages] pp. 13, 33, 36, 42, 43, 45, 46, 48, 54, 57, 58, 60, 63, 66
8. Arnone, Russell, USEPA/R2/HWSB/HWSS. Executive Narrative, Case No.: 49391, SDG No.: BG501-M; with attached analytical data. June 3, 2021. [81 pages] p. 64
9. Kumar, Narendra, USEPA/R2/HWSB/HWSS. Executive Narrative, Case No.: 49391, SDG No.: BG514-M; with attached analytical data. June 10, 2021. [48 pages] pp. 24, 30, 33, 36, 39
10. Kumar, Narendra, USEPA/R2/HWSB/HWSS. Executive Narrative, Case No.: 49391, SDG No.: BG515-M; with attached analytical data. June 10, 2021. [77 pages] pp. 13, 16, 28, 21, 34, 37, 49, 58, 59, 61, 62, 64
11. Kumar, Narendra, USEPA/R2/HWSB/HWSS. Executive Narrative, Case No.: 49391, SDG No.: BG516-M; with attached analytical data. June 17, 2021. [56 pages] p. 43
12. Esri World Imagery, 2021.

Notes:
1. *The source of this map image is Esri, used by EPA with Esri's permission.*
2. ft bss - feet below sediment surface
3. Sediment results for organic constituents presented in micrograms per kilogram (µg/kg).
4. Sediment results for inorganic constituents presented in milligrams per kilogram (mg/kg).
5. Surface water results presented in micrograms per liter (µg/L).
6. J - estimated concentration.
7. Locations of CSO and MS4 outfalls confirmed in the field.
8. The Area of Observed Sediment Contamination is shaded. The calculated surface area (144,716 sq yards) multiplied by the average maximum depth of contamination (1.5 yds) gives us the volume of contaminated sediment (217,074 cubic yards).
9. Only showing locations/results that meet the criteria for observed release/observed contamination (≥3x maximum background, or ≥ highest RDL if no background detections).

WESTON SOLUTIONS SM
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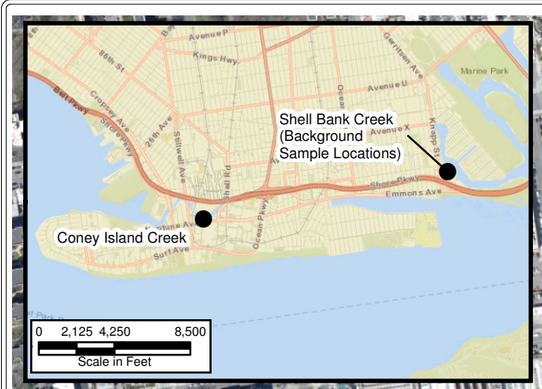
PROJECT MANAGER: S. Snyder
CHECKED BY: G. Gilliland
CONTRACT No.:
DELIVERY ORDER NO.:
DRAWN/MODIFIED BY: H. Bravo-Ruiz
DATE CREATED: 7/28/2021
REPORT DATE: December 2021
DRAWING: 2724\1_ConeyIslandCreek\0022_Sampling_Results.mxd
PATH: P:\SAT\ConeyIslandCreek\MXD
REVISION No.: 0
WORK ORDER No.: 40200.036.049.6200

N W E S

CLIENT NAME: EPA
PROJECT NAME: 00490200-00

DRAWING TITLE: Contaminant Levels in Coney Island Creek Sediment and Surface Water
DATE: December 2021
SCALE: 1 " = 260 '
FIGURE: 3a



	6100-SED25A Depth 0 - 2	6100-SED26A* Depth 0-2	6100-SED25B Depth 2-4	6100-SED25C Depth 4-6
Parameter	**Result**	**Result**	**Result**	**Result**
Barium	24 U	24 U	62	110 J
Cadmium	0.14 J	0.11 J	0.49 J	1.4 J
Chromium	19	14	65	59 J
Lead	6.8	4.5	34	180 J
Silver	1.2 U	1.2 U	1.9 U	0.68 J
Zinc	25	21	100	270 J
Cyanide	0.26 J	0.58 U	0.58 J	1.3 UJ
1,2,4-Trimethylbenzene	6.4 U	6.2 U	12 U	35 UJ
Phenanthrene	220 U	220 U	300 U	650 UJ
Anthracene	220 U	220 U	300 U	650 UJ
Fluoranthene	220 U	220 U	300 U	650 UJ
Pyrene	220 U	220 U	300 U	650 UJ
Benzo(a)anthracene	220 U	220 U	300 U	650 UJ
Chrysene	220 U	220 U	300 U	650 UJ
Bis(2-ethylhexyl)phthalate	220 U	220 U	300 U	650 UJ
Benzo(b)fluoranthene	220 U	220 U	300 U	650 UJ
Benzo(k)fluoranthene	220 U	220 U	300 U	650 UJ
Benzo(a)pyrene	220 U	220 U	300 U	650 UJ
Indeno(1,2,3-cd)pyrene	220 U	220 U	300 U	650 UJ
Benzo(g,h,i)perylene	220 U	220 U	300 U	650 UJ
4,4'-DDE	4.4 U	4.3 U	5.8 U	13 UJ
4,4'-DDD	4.4 U	4.3 U	5.8 U	13 UJ
4,4'-DDT	4.4 U	4.3 U	5.8 U	13 UJ
cis-Chlordane	2.2 U	2.2 U	3.0 U	6.5 UJ
trans-Chlordane	2.2 U	2.2 U	3.0 U	6.5 UJ

6100-SW25	
Parameter	**Result**
Iron	500 U
Cyanide	10 U

	6100-SED23A Depth 0 - 2	6100-SED23B Depth 2-4	6100-SED23C Depth 4-6
Parameter	**Result**	**Result**	**Result**
Barium	23 U	32 U	31 U
Cadmium	0.57 U	0.31 J	0.31 J
Chromium	6.0	28	28
Lead	2.2	8.7	8.8
Silver	1.1 U	1.6 U	1.5 U
Zinc	8.7	45	47
Cyanide	0.50 U	0.80 U	0.76 U
1,2,4-Trimethylbenzene	6.8 U	9.0 U	9.4 U
Phenanthrene	220 U	260 U	280 U
Anthracene	220 U	260 U	280 U
Fluoranthene	220 U	260 U	280 U
Pyrene	220 U	260 U	280 U
Benzo(a)anthracene	220 U	260 U	280 U
Chrysene	220 U	260 U	280 U
Bis(2-ethylhexyl)phthalate	220 U	260 U	280 U
Benzo(b)fluoranthene	220 U	260 U	280 U
Benzo(k)fluoranthene	220 U	260 U	280 U
Benzo(a)pyrene	220 U	260 U	280 U
Indeno(1,2,3-cd)pyrene	220 U	260 U	280 U
Benzo(g,h,i)perylene	220 U	260 U	280 U
4,4'-DDE	4.2 U	5.0 U	5.5 U
4,4'-DDD	4.2 U	5.0 U	5.5 U
4,4'-DDT	4.2 U	5.0 U	5.5 U
cis-Chlordane	2.2 U	2.6 U	2.8 U
trans-Chlordane	2.2 U	2.6 U	2.8 U

6100-SW23	
Parameter	**Result**
Iron	500 U
Cyanide	10 U

	6100-SED22A Depth 0 - 2	6100-SED22B Depth 2-4	6100-SED22C Depth 4-6
Parameter	**Result**	**Result**	**Result**
Barium	41 UJ	38 UJ	41 UJ
Cadmium	0.58 J	0.50 J	0.67 J
Chromium	35 J	29 J	40 J
Lead	11 J	9.5 J	12 J
Silver	2.1 UJ	1.9 UJ	2.0 UJ
Zinc	52 J	48 J	61 J
Cyanide	1.0 UJ	0.97 UJ	0.87 UJ
1,2,4-Trimethylbenzene	9.9 U	11 U	14 U
Phenanthrene	310 U	310 U	330 U
Anthracene	310 U	310 U	330 U
Fluoranthene	310 U	310 U	330 U
Pyrene	310 U	310 U	330 U
Benzo(a)anthracene	310 U	310 U	330 U
Chrysene	310 U	310 U	330 U
Bis(2-ethylhexyl)phthalate	310 U	310 U	330 U
Benzo(b)fluoranthene	310 U	310 U	330 U
Benzo(k)fluoranthene	310 U	310 U	330 U
Benzo(a)pyrene	310 U	310 U	330 U
Indeno(1,2,3-cd)pyrene	310 U	310 U	330 U
Benzo(g,h,i)perylene	310 U	310 U	330 U
4,4'-DDE	6.0 U	6.0 U	6.4 U
4,4'-DDD	6.0 U	6.0 U	6.4 U
4,4'-DDT	6.0 U	6.0 U	6.4 U
cis-Chlordane	3.1 U	3.1 U	3.3 U
trans-Chlordane	3.1 U	3.1 U	3.3 U

6100-SW24	
Parameter	**Result**
Iron	500 U
Cyanide	10 U

	6100-SED24A Depth 0 - 2	6100-SED24B Depth 2-4	6100-SED24C Depth 4-6
Parameter	**Result**	**Result**	**Result**
Barium	30	62	130 J
Cadmium	0.30 J	0.61 J	2.4 J
Chromium	38	37	76 J
Lead	18	55	330 J
Silver	1.5 U	1.5 U	1.4 J
Zinc	58	140	480 J
Cyanide	0.77 U	0.76 U	0.47 J
1,2,4-Trimethylbenzene	8.5 U	8.2 U	18 U
Phenanthrene	260 U	290 U	390 U
Anthracene	260 U	290 U	390 U
Fluoranthene	260 U	290 U	390 U
Pyrene	260 U	290 U	390 U
Benzo(a)anthracene	260 U	290 U	390 U
Chrysene	260 U	290 U	390 U
Bis(2-ethylhexyl)phthalate	260 U	290 U	390 U
Benzo(b)fluoranthene	260 U	290 U	390 U
Benzo(k)fluoranthene	260 U	290 U	390 U
Benzo(a)pyrene	260 U	290 U	390 U
Indeno(1,2,3-cd)pyrene	260 U	290 U	390 U
Benzo(g,h,i)perylene	260 U	290 U	390 U
4,4'-DDE	5.0 U	5.6 U	0.52 J
4,4'-DDD	5.0 U	5.6 U	7.5 U
4,4'-DDT	5.0 U	5.6 U	7.5 U
cis-Chlordane	2.6 U	2.9 U	3.9 U
trans-Chlordane	2.6 U	2.9 U	3.9 U

6100-SW22	
Parameter	**Result**
Iron	500 U
Cyanide	10 U

Legend

⊕ Background Sediment and Surface Water Sample Location

Sources:
1. Weston Solutions, Inc. (WESTON®) Site Assessment Team (SAT V). Site Logbook No. DCN # SAT-V.6100.0001, Coney Island Creek Site Inspection. March 9, 2021 – June 7, 2021. [22 pages]
2. Kumar, Narendra, USEPA/R2/HWSB/HWSS. Executive Narrative, Case No.: 49391, SDG No.: BG501; with attached analytical data. June 16, 2021. [211 pages] pp. 22-24, 26, 28-30, 32, 38-40, 42, 44-46, 48, 50-58, 60, 62-64, 68-70, 72, 74-76, 78, 80-82, 84, 86-88, 90, 92-94, 96, 100-102, 104
3. Arnone, Russell, USEPA/R2/HWSB/HWSS. Executive Narrative, Case No.: 49391, SDG No.: BG501-M; with attached analytical data. June 3, 2021. [81 pages] pp. 11, 13, 14, 16, 26, 28, 29, 31, 32, 34, 35, 37, 38, 40, 41, 43, 44, 46, 47, 49, 50, 52, 53, 55, 56, 58
4. ESRI World Imagery, 2021.

Notes:
1. ***The source of this map image is Esri, used by EPA with Esri's permission.***
2. All depths in feet below sediment surface (ft bss).
3. Only showing background results for analytes detected at levels that meet observed release criteria in Coney Island Creek (see Figure 3a).
4. Sediment resuts for organic constituents presented in micrograms per kilogram (µg/kg).
5. Sediment results for inorganic constituents presented in milligrams per kilogram (mg/kg).
6. Surface water results presented in micrograms per liter (µg/L).
7. * - Duplicate of sample 6100-SED25A.

SCALE: 0 250 500 1,000 Scale in Feet

PROJECT: 00490200-00

CLIENT NAME: EPA

TITLE: CONEY ISLAND CREEK BACKGROUND SEDIMENT AND SURFACE WATER ANALYTICAL RESULTS

WESTON SOLUTIONS SM

DATE: December 2021

FIGURE #: 3b

File Path: P:\SAT2\ConeyIslandCreek\MXD\27245_ConeyIslCreek6100_Sampling_Results_Bkground.mxd

TABLE 3A
SURFACE WATER ANALYTICAL DATA - VOLATILE ORGANIC COMPOUNDS
CONEY ISLAND CREEK

Sample Purpose:	Background Samples												3x Maximum Background, or Highest Reportig Detection Limit		Coney Island Creek Samples																	
Field Sample ID:	6100-SW22			6100-SW23			6100-SW24			6100-SW25					6100-SW01			6100-SW04			6100-SW09			6100-SW26			6100-SW11			6100-SW13			6100-SW14			6100-SW20		
CLP ID:	BG536			BG537			BG538			BG539					BG528			BG529			BG530			BG548			BG531			BG532			BG533			BG534		
Date:	4/13/2021			4/13/2021			4/13/2021			4/13/2021					4/13/2021			4/13/2021			4/14/2021			4/14/2021			4/14/2021			4/14/2021			4/14/2021			4/15/2021		
Comments:																								Duplicate of 6100-SW26														
VOC	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Value**	**Q**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**
Dichlorodifluoromethane	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Chloromethane	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Vinyl chloride	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Bromomethane	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Chloroethane	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Trichlorofluoromethane	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
1,1-Dichloroethene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	UJ	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Acetone	10	U	*10*	10	U	*10*	10	U	*10*	10	U	*10*	10	U	10	U	10	10	U	10	10	UJ	10	10	U	10	10	U	10	10	U	10	10	U	10	10	U	10
Carbon disulfide	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Methyl Acetate	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Methylene chloride	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
trans-1,2-Dichloroethene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	UJ	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Methyl tert-butyl Ether	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
1,1-Dichloroethane	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
cis-1,2-Dichloroethene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	UJ	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
2-Butanone	10	U	*10*	10	U	*10*	10	U	*10*	10	U	*10*	10	U	10	U	10	10	U	10	10	U	10	10	U	10	10	U	10	10	U	10	10	U	10	10	U	10
Bromochloromethane	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Chloroform	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
1,1,1-Trichloroethane	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Cyclohexane	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Carbon tetrachloride	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Benzene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
1,2-Dichloroethane	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Trichloroethene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Methylcyclohexane	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
1,2-Dichloropropane	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Bromodichloromethane	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
cis-1,3-Dichloropropene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
4-Methyl-2-pentanone	10	U	*10*	10	U	*10*	10	U	*10*	10	U	*10*	10	U	10	U	10	10	U	10	10	U	10	10	U	10	10	U	10	10	U	10	10	U	10	10	U	10
Toluene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	1.4	J	5.0	1.4	J	5.0	1.6	J	5.0	1.8	J	5.0	2.2	J	5.0	2.3	J	5.0	1.8	J	5.0	4.2	J	5.0
trans-1,3-Dichloropropene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
1,1,2-Trichloroethane	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Tetrachloroethene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
2-Hexanone	10	U	*10*	10	U	*10*	10	U	*10*	10	U	*10*	10	U	10	U	10	10	U	10	10	U	10	10	U	10	10	U	10	10	U	10	10	U	10	10	U	10
Dibromochloromethane	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
1,2-Dibromoethane	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Chlorobenzene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Ethylbenzene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
o-Xylene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
m,p-Xylene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Styrene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Bromoform	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Isopropylbenzene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
1,2,3-Trichloropropane	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
1,1,2,2-Tetrachloroethane	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
1,3-Dichlorobenzene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
1,4-Dichlorobenzene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
1,2-Dichlorobenzene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
1,2-Dibromo-3-chloropropane	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
1,2,4-Trimethylbenzene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
1,3,5-Trimethylbenzene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
1,2,4-trichlorobenzene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
1,2,3-Trichlorobenzene	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	*5.0*	5.0	U	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0	5.0	U	5.0
Reference	34, pp. 68, 69, 146, 147			34, pp. 74, 75, 147			34, pp. 80, 81, 147, 148			34, pp. 86, 87, 148, 149					34, pp. 22, 23, 140, 141			34, pp. 32, 33, 141, 142			34, pp. 38, 39, 142, 143			34, pp. 110, 111, 149, 150			34, pp. 44, 45, 143			34, pp. 50, 51, 143, 144			34, pp. 56, 57, 144, 145			34, pp. 62, 63, 145, 146		

All results are reported in micrograms per liter (µg/L)
RDL = Reporting Detection Limit, equivalent to the adjusted Contract Required Quantitation limit (ACRQL)
Q = Validator's Qualifier
Data Qualifiers:

U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the ACRQL for sample and method [Ref. 34, p. 2]
J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL) [Ref. 34, p. 2]. Values qualified J due to issues of quality control as determined by the Data Validator are not considered for selection of maximum background or for evaluation of observed release.
UJ = The analyte was not detected at a level greater than or equal to the ACRQL. However, the reported ACRQL is approximate and may be innacurate or imprecise [Ref. 34, p. 2]

ITALICS indicate the highest background detection for each analyte (or highest background RDL if no detections)

TABLE 3B
SURFACE WATER ANALYTICAL DATA - SEMIVOLATILE ORGANIC COMPOUNDS
CONEY ISLAND CREEK

Sample Purpose:	Background Samples												3x Maximum Background, or Highest Reportig Detection Limit		Coney Island Creek Samples																				
Field Sample ID:	6100-SW22			6100-SW23			6100-SW24			6100-SW25					6100-SW01			6100-SW04			6100-SW09			6100-SW26			6100-SW11			6100-SW13			6100-SW14			6100-SW20		
CLP ID:	BG536			BG537			BG538			BG539					BG528			BG529			BG530			BG548			BG531			BG532			BG533			BG534		
Date:	4/13/2021			4/13/2021			4/13/2021			4/13/2021					4/13/2021			4/13/2021			4/14/2021			4/14/2021			4/14/2021			4/14/2021			4/14/2021			4/15/2021		
Comments:																								Duplicate of 6100-SW09													
SVOC	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Value	Q	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL	Result	Q	RDL
1,4-Dioxane	2.4	U	*2.4*	2.4	U	*2.4*	2.2	U	2.2	2.3	U	2.3	2.4	U	2.0	U	2.0	2.0	U	2.0	2.2	U	2.2	2.2	U	2.2	2.1	U	2.1	2.3	U	2.3	2.2	U	2.2	2.0	U	2.0
Benzaldehyde	12	U	*12*	12	U	*12*	11	U	11	11	U	11	12	U	10	U	10	10	U	10	11	U	11	11	U	11	11	U	11	11	U	11	11	U	11	10	U	10
Phenol	12	U	*12*	12	U	*12*	11	U	11	11	U	11	12	U	10	U	10	10	U	10	11	U	11	11	U	11	11	U	11	11	U	11	11	U	11	10	U	10
Bis(2-Chloroethyl)ether	12	U	*12*	12	U	*12*	11	U	11	11	U	11	12	U	10	U	10	10	U	10	11	U	11	11	U	11	11	U	11	11	U	11	11	U	11	10	U	10
2-Chlorophenol	6.0	U	*6.0*	6.0	U	*6.0*	5.4	U	5.4	5.7	U	5.7	6.0	U	5.0	U	5.0	5.0	U	5.0	5.5	U	5.5	5.4	U	5.4	5.3	U	5.3	5.7	U	5.7	5.4	U	5.4	5.0	U	5.0
2-Methylphenol	12	U	*12*	12	U	*12*	11	U	11	11	U	11	12	U	10	U	10	10	U	10	11	U	11	11	U	11	11	U	11	11	U	11	11	U	11	10	U	10
2,2-oxybis(1-Chloropropane)	12	U	*12*	12	U	*12*	11	U	11	11	U	11	12	U	10	U	10	10	U	10	11	U	11	11	U	11	11	U	11	11	U	11	11	U	11	10	U	10
Acetophenone	12	U	*12*	12	U	*12*	11	U	11	11	U	11	12	U	10	U	10	10	U	10	11	U	11	11	U	11	11	U	11	11	U	11	11	U	11	10	U	10
4-Methylphenol	12	U	*12*	12	U	*12*	11	U	11	11	U	11	12	U	10	U	10	10	U	10	11	U	11	11	U	11	11	U	11	11	U	11	11	U	11	10	U	10
N-Nitroso-di-n-propylamine	6.0	U	*6.0*	6.0	U	*6.0*	5.4	U	5.4	5.7	U	5.7	6.0	U	5.0	U	5.0	5.0	U	5.0	5.5	U	5.5	5.4	U	5.4	5.3	U	5.3	5.7	U	5.7	5.4	U	5.4	5.0	U	5.0
Hexachloroethane	6.0	U	*6.0*	6.0	U	*6.0*	5.4	U	5.4	5.7	U	5.7	6.0	U	5.0	U	5.0	5.0	U	5.0	5.5	U	5.5	5.4	U	5.4	5.3	U	5.3	5.7	U	5.7	5.4	U	5.4	5.0	U	5.0
Nitrobenzene	6.0	U	*6.0*	6.0	U	*6.0*	5.4	U	5.4	5.7	U	5.7	6.0	U	5.0	U	5.0	5.0	U	5.0	5.5	U	5.5	5.4	U	5.4	5.3	U	5.3	5.7	U	5.7	5.4	U	5.4	5.0	U	5.0
Isophorone	6.0	U	*6.0*	6.0	U	*6.0*	5.4	U	5.4	5.7	U	5.7	6.0	U	5.0	U	5.0	5.0	U	5.0	5.5	U	5.5	5.4	U	5.4	5.3	U	5.3	5.7	U	5.7	5.4	U	5.4	5.0	U	5.0
2-Nitrophenol	6.0	U	*6.0*	6.0	U	*6.0*	5.4	U	5.4	5.7	U	5.7	6.0	U	5.0	U	5.0	5.0	U	5.0	5.5	U	5.5	5.4	U	5.4	5.3	U	5.3	5.7	U	5.7	5.4	U	5.4	5.0	U	5.0
2,4-Dimethylphenol	6.0	U	*6.0*	6.0	U	*6.0*	5.4	U	5.4	5.7	U	5.7	6.0	U	5.0	U	5.0	5.0	U	5.0	5.5	U	5.5	5.4	U	5.4	5.3	U	5.3	5.7	U	5.7	5.4	U	5.4	5.0	U	5.0
Bis(2-Chloroethoxy)methane	6.0	U	*6.0*	6.0	U	*6.0*	5.4	U	5.4	5.7	U	5.7	6.0	U	5.0	U	5.0	5.0	U	5.0	5.5	U	5.5	5.4	U	5.4	5.3	U	5.3	5.7	U	5.7	5.4	U	5.4	5.0	U	5.0
2,4-Dichlorophenol	6.0	U	*6.0*	6.0	U	*6.0*	5.4	U	5.4	5.7	U	5.7	6.0	U	5.0	U	5.0	5.0	U	5.0	5.5	U	5.5	5.4	U	5.4	5.3	U	5.3	5.7	U	5.7	5.4	U	5.4	5.0	U	5.0
Naphthalene	6.0	U	*6.0*	6.0	U	*6.0*	5.4	U	5.4	5.7	U	5.7	6.0	U	5.0	U	5.0	5.0	U	5.0	5.5	U	5.5	5.4	U	5.4	5.3	U	5.3	5.7	U	5.7	5.4	U	5.4	5.0	U	5.0
4-Chloroaniline	12	U	*12*	12	U	*12*	11	U	11	11	U	11	12	U	10	U	10	10	U	10	11	U	11	11	U	11	11	U	11	11	U	11	11	U	11	10	U	10
Hexachlorobutadiene	6.0	U	*6.0*	6.0	U	*6.0*	5.4	U	5.4	5.7	U	5.7	6.0	U	5.0	U	5.0	5.0	U	5.0	5.5	U	5.5	5.4	U	5.4	5.3	U	5.3	5.7	U	5.7	5.4	U	5.4	5.0	U	5.0
Caprolactam	12	U	*12*	12	U	*12*	11	U	11	11	U	11	12	U	10	U	10	10	U	10	11	U	11	11	U	11	11	U	11	11	U	11	11	U	11	10	U	10
4-Chloro-3-methylphenol	6.0	U	*6.0*	6.0	U	*6.0*	5.4	U	5.4	5.7	U	5.7	6.0	U	5.0	U	5.0	5.0	U	5.0	5.5	U	5.5	5.4	U	5.4	5.3	U	5.3	5.7	U	5.7	5.4	U	5.4	5.0	U	5.0
1-Methylnaphthalene	6.0	U	*6.0*	6.0	U	*6.0*	5.4	U	5.4	5.7	U	5.7	6.0	U	5.0	U	5.0	5.0	U	5.0	5.5	U	5.5	5.4	U	5.4	5.3	U	5.3	5.7	U	5.7	5.4	U	5.4	5.0	U	5.0
2-Methylnaphthalene	6.0	U	*6.0*	6.0	U	*6.0*	5.4	U	5.4	5.7	U	5.7	6.0	U	5.0	U	5.0	5.0	U	5.0	5.5	U	5.5	5.4	U	5.4	5.3	U	5.3	5.7	U	5.7	5.4	U	5.4	5.0	U	5.0
Hexachlorocyclopentadiene	12	U	*12*	12	U	*12*	11	U	11	11	U	11	12	U	10	U	10	10	U	10	11	U	11	11	U	11	11	U	11	11	U	11	11	U	11	10	U	10
2,4,6-Trichlorophenol	6.0	U	*6.0*	6.0	U	*6.0*	5.4	U	5.4	5.7	U	5.7	6.0	U	5.0	U	5.0	5.0	U	5.0	5.5	U	5.5	5.4	U	5.4	5.3	U	5.3	5.7	U	5.7	5.4	U	5.4	5.0	U	5.0
2,4,5-Trichlorophenol	6.0	U	*6.0*	6.0	U	*6.0*	5.4	U	5.4	5.7	U	5.7	6.0	U	5.0	U	5.0	5.0	U	5.0	5.5	U	5.5	5.4	U	5.4	5.3	U	5.3	5.7	U	5.7	5.4	U	5.4	5.0	U	5.0
1,1-Biphenyl	6.0	U	*6.0*	6.0	U	*6.0*	5.4	U	5.4	5.7	U	5.7	6.0	U	5.0	U	5.0	5.0	U	5.0	5.5	U	5.5	5.4	U	5.4	5.3	U	5.3	5.7	U	5.7	5.4	U	5.4	5.0	U	5.0
2-Chloronaphthalene	6.0	U	*6.0*	6.0	U	*6.0*	5.4	U	5.4	5.7	U	5.7	6.0	U	5.0	U	5.0	5.0	U	5.0	5.5	U	5.5	5.4	U	5.4	5.3	U	5.3	5.7	U	5.7	5.4	U	5.4	5.0	U	5.0
2-Nitroaniline	6.0	U	*6.0*	6.0	U	*6.0*	5.4	U	5.4	5.7	U	5.7	6.0	U	5.0	U	5.0	5.0	UJ	5.0	5.5	U	5.5	5.4	U	5.4	5.3	U	5.3	5.7	U	5.7	5.4	U	5.4	5.0	U	5.0
Dimethylphthalate	3.1	J	*6.0*	3.0	J	*6.0*	3.3	J	5.4	4.0	J	5.7	12.0	J	1.9	J	5.0	2.5	J	5.0	2.7	J	5.5	2.7	J	5.4	3.6	J	5.3	5.7	U	5.7	5.4	U	5.4	5.0	U	5.0
2,6-Dinitrotoluene	6.0	U	*6.0*	6.0	U	*6.0*	5.4	U	5.4	5.7	U	5.7	6.0	U	5.0	U	5.0	5.0	U	5.0	5.5	U	5.5	5.4	U	5.4	5.3	U	5.3	5.7	U	5.7	5.4	U	5.4	5.0	U	5.0
Acenaphthylene	6.0	U	*6.0*	6.0	U	*6.0*	5.4	U	5.4	5.7	U	5.7	6.0	U	5.0	U	5.0	5.0	U	5.0	5.5	U	5.5	5.4	U	5.4	5.3	U	5.3	5.7	U	5.7	5.4	U	5.4	5.0	U	5.0
3-Nitroaniline	12	U	*12*	12	U	*12*	11	U	11	11	U	11	12	U	10	U	10	10	UJ	10	11	U	11	11	U	11	11	U	11	11	U	11	11	U	11	10	U	10
Acenaphthene	6.0	U	*6.0*	6.0	U	*6.0*	5.4	U	5.4	5.7	U	5.7	6.0	U	5.0	U	5.0	5.0	U	5.0	5.5	U	5.5	5.4	U	5.4	5.3	U	5.3	5.7	U	5.7	5.4	U	5.4	5.0	U	5.0
2,4-Dinitrophenol	12	U	*12*	12	U	*12*	11	U	11	11	U	11	12	U	10	U	10	10	UJ	10	11	U	11	11	U	11	11	U	11	11	U	11	11	U	11	10	U	10
4-Nitrophenol	12	U	*12*	12	U	*12*	11	U	11	11	U	11	12	U	10	U	10	10	UJ	10	11	U	11	11	U	11	11	U	11	11	U	11	11	U	11	10	U	10
Dibenzofuran	6.0	U	*6.0*	6.0	U	*6.0*	5.4	U	5.4	5.7	U	5.7	6.0	U	5.0	U	5.0	5.0	U	5.0	5.5	U	5.5	5.4	U	5.4	5.3	U	5.3	5.7	U	5.7	5.4	U	5.4	5.0	U	5.0
2,4-Dinitrotoluene	6.0	U	*6.0*	6.0	U	*6.0*	5.4	U	5.4	5.7	U	5.7	6.0	U	5.0	U	5.0	5.0	U	5.0	5.5	U	5.5	5.4	U	5.4	5.3	U	5.3	5.7	U	5.7	5.4	U	5.4	5.0	U	5.0
Diethylphthalate	6.0	U	*6.0*	6.0	U	*6.0*	5.4	U	5.4	5.7	U	5.7	6.0	U	5.0	U	5.0	5.0	U	5.0	5.5	U	5.5	5.4	U	5.4	5.3	U	5.3	5.7	U	5.7	5.4	U	5.4	5.0	U	5.0
Fluorene	6.0	U	*6.0*	6.0	U	*6.0*	5.4	U	5.4	5.7	U	5.7	6.0	U	5.0	U	5.0	5.0	U	5.0	5.5	U	5.5	5.4	U	5.4	5.3	U	5.3	5.7	U	5.7	5.4	U	5.4	5.0	U	5.0
4-Chlorophenyl-phenylether	6.0	U	*6.0*	6.0	U	*6.0*	5.4	U	5.4	5.7	U	5.7	6.0	U	5.0	U	5.0	5.0	U	5.0	5.5	U	5.5	5.4	U	5.4	5.3	U	5.3	5.7	U	5.7	5.4	U	5.4	5.0	U	5.0
4-Nitroaniline	12	U	*12*	12	U	*12*	11	U	11	11	U	11	12	U	10	U	10	10	UJ	10	11	U	11	11	U	11	11	U	11	11	U	11	11	U	11	10	U	10
4,6-Dinitro-2-methylphenol	12	U	*12*	12	U	*12*	11	U	11	11	U	11	12	U	10	U	10	10	U	10	11	U	11	11	U	11	11	U	11	11	U	11	11	U	11	10	U	10
N-Nitrosodiphenylamine	6.0	U	*6.0*	6.0	U	*6.0*	5.4	U	5.4	5.7	U	5.7	6.0	U	5.0	U	5.0	5.0	U	5.0	5.5	U	5.5	5.4	U	5.4	5.3	U	5.3	5.7	U	5.7	5.4	U	5.4	5.0	U	5.0
1,2,4,5-Tetrachlorobenzene	6.0	U	*6.0*	6.0	U	*6.0*	5.4	U	5.4	5.7	U	5.7	6.0	U	5.0	U	5.0	5.0	U	5.0	5.5	U	5.5	5.4	U	5.4	5.3	U	5.3	5.7	U	5.7	5.4	U	5.4	5.0	U	5.0
4-Bromophenyl-phenylether	6.0	U	*6.0*	6.0	U	*6.0*	5.4	U	5.4	5.7	U	5.7	6.0	U	5.0	U	5.0	5.0	U	5.0	5.5	U	5.5	5.4	U	5.4	5.3	U	5.3	5.7	U	5.7	5.4	U	5.4	5.0	U	5.0
Hexachlorobenzene	6.0	U	*6.0*	6.0	U	*6.0*	5.4	U	5.4	5.7	U	5.7	6.0	U	5.0	U	5.0	5.0	U	5.0	5.5	U	5.5	5.4	U	5.4	5.3	U	5.3	5.7	U	5.7	5.4	U	5.4	5.0	U	5.0
Atrazine	12	U	*12*	12	U	*12*	11	U	11	11	U	11	12	U	10	U	10	10	U	10	11	U	11	11	U	11	11	U	11	11	U	11	11	U	11	10	U	10
Pentachlorophenol	12	U	*12*	12	U	*12*	11	U	11	11	U	11	12	U	10	U	10	10	U	10	11	U	11	11	U	11	11	U	11	11	U	11	11	U	11	10	U	10
Phenanthrene	6.0	U	*6.0*	6.0	U	*6.0*	5.4	U	5.4	5.7	U	5.7	6.0	U	5.0	U	5.0	5.0	U	5.0	5.5	U	5.5	5.4	U	5.4	5.3	U	5.3	5.7	U	5.7	5.4	U	5.4	5.0	U	5.0
Anthracene	6.0	U	*6.0*	6.0	U	*6.0*	5.4	U	5.4	5.7	U	5.7	6.0	U	5.0	U	5.0	5.0	U	5.0	5.5	U	5.5	5.4	U	5.4	5.3	U	5.3	5.7	U	5.7	5.4	U	5.4	5.0	U	5.0
Carbazole	12	U	*12*	12	U	*12*	11	U	11	11	U	11	12	U	10	U	10	10	U	10	11	U	11	11	U	11	11	U	11	11	U	11	11	U	11	10	U	10
Di-n-butylphthalate	6.0	U	*6.0*	6.0	U	*6.0*	5.4	U	5.4	5.7	U	5.7	6.0	U	5.0	U	5.0	5.0	U	5.0	5.5	U	5.5	5.4	U	5.4	5.3	U	5.3	5.7	U	5.7	5.4	U	5.4	5.0	U	5.0
Fluoranthene	6.0	U	*6.0*	6.0	U	*6.0*	5.4	U	5.4	5.7	U	5.7	6.0	U	5.0	U	5.0	5.0	U	5.0	5.5	U	5.5	5.4	U	5.4	5.3	U	5.3	5.7	U	5.7	5.4	U	5.4	5.0	U	5.0
Pyrene	6.0	U	*6.0*	6.0	U	*6.0*	5.4	U	5.4	5.7	U	5.7	6.0	U	5.0	U	5.0	5.0	U	5.0	5.5	U	5.5	5.4	U	5.4	5.3	U	5.3	5.7	U	5.7	5.4	U	5.4	5.0	U	5.0
Butylbenzylphthalate	6.0	U	*6.0*	6.0	U	*6.0*	5.4	U	5.4	5.7	U	5.7	6.0	U	5.0	U	5.0	5.0	U	5.0	5.5	U	5.5	5.4	U	5.4	5.3	U	5.3	5.7	U	5.7	5.4	U	5.4	5.0	U	5.0
3,3-Dichlorobenzidine	12	U	*12*	12	U	*12*	11	U	11	11	U	11	12	U	10	U	10	10	U	10	11	U	11	11	U	11	11	U	11	11	U	11	11	U	11	10	U	10
Benzo(a)anthracene	6.0	U	*6.0*	6.0	U	*6.0*	5.4	U	5.4	5.7	U	5.7	6.0	U	5.0	U	5.0	5.0	U	5.0	5.5	U	5.5	5.4	U	5.4	5.3	U	5.3	5.7	U	5.7	5.4	U	5.4	5.0	U	5.0
Chrysene	6.0	U	*6.0*	6.0	U	*6.0*	5.4	U	5.4	5.7	U	5.7	6.0	U	5.0	U	5.0	5.0	U	5.0	5.5	U	5.5	5.4	U	5.4	5.3	U	5.3	5.7	U	5.7	5.4	U	5.4	5.0	U	5.0
Bis(2-ethylhexyl)phthalate	6.0	U	*6.0*	6.0	U	*6.0*	5.4	U	5.4	5.7	U	5.7	6.0	U	5.0	U	5.0	5.0	U	5.0	5.5	U	5.5	5.4	U	5.4	5.3	U	5.3	5.7	U	5.7	5.4	U	5.4	5.0	U	5.0
Di-n-octyl phthalate	12	U	*12*	12	U	*12*	11	U	11	11	U	11	12	U	10	U	10	10	U	10	11	U	11	11	U	11	11	U	11	11	U	11	11	U	11	10	U	10
Benzo(b)fluoranthene	6.0	U	*6.0*	6.0	U	*6.0*	5.4	U	5.4	5.7	U	5.7	6.0	U	5.0	U	5.0	5.0	U	5.0	5.5	U	5.5	5.4	U	5.4	5.3	U	5.3	5.7	U	5.7	5.4	U	5.4	5.0	U	5.0
Benzo(k)fluoranthene	6.0	U	*6.0*	6.0	U	*6.0*	5.4	U	5.4	5.7	U	5.7	6.0	U	5.0	U	5.0	5.0	U	5.0	5.5	U	5.5	5.4	U	5.4	5.3	U	5.3	5.7	U	5.7	5.4	U	5.4	5.0	U	5.0
Benzo(a)pyrene	6.0	U	*6.0*	6.0	U	*6.0*	5.4	U	5.4	5.7	U	5.7	6.0	U	5.0	U	5.0	5.0	U	5.0	5.5	U	5.5	5.4	U	5.4	5.3	U	5.3	5.7	U	5.7	5.4	U	5.4	5.0	U	5.0
Indeno(1,2,3-cd)pyrene	6.0	U	*6.0*	6.0	U	*6.0*	5.4	U	5.4	5.7	U	5.7	6.0	U	5.0	U	5.0	5.0	U	5.0	5.5	U	5.5	5.4	U	5.4	5.3	U	5.3	5.7	U	5.7	5.4	U	5.4	5.0	U	5.0
Dibenzo(a,h)anthracene	6.0	U	*6.0*	6.0	U	*6.0*	5.4	U	5.4	5.7	U	5.7	6.0	U	5.0	U	5.0	5.0	U	5.0	5.5	U	5.5	5.4	U	5.4	5.3	U	5.3	5.7	U	5.7	5.4	U	5.4	5.0	U	5.0
Benzo(g,h,i)perylene	6.0	U	*6.0*	6.0	U	*6.0*	5.4	U	5.4	5.7	U	5.7	6.0	U	5.0	U	5.0	5.0	U	5.0	5.5	U	5.5	5.4	U	5.4	5.3	U	5.3	5.7	U	5.7	5.4	U	5.4	5.0	U	5.0
2,3,4,6-Tetrachlorophenol	6.0	U	*6.0*	6.0	U	*6.0*	5.4	U	5.4	5.7	U	5.7	6.0	U	5.0	U	5.0	5.0	U	5.0	5.5	U	5.5	5.4	U	5.4	5.3	U	5.3	5.7	U	5.7	5.4	U	5.4	5.0	U	5.0
Reference	34, pp. 66, 67, 163, 164			34, pp. 72, 73, 164, 165			34, pp. 78, 79, 165, 166			34, pp. 84, 85, 166, 167					34, pp. 20, 21, 156, 157			34, pp. 30, 31, 157, 158			34, pp. 36, 37, 158, 159			34, pp. 108, 109, 167, 168			34, pp. 42, 43, 159, 160			34, pp. 48, 49, 160, 161			34, pp. 54, 55, 161, 162			34, pp. 60, 61, 162, 163		

All results are reported in micrograms per liter (µg/L)
RDL = Reporting Detection Limit, equivalent to the adjusted Contract Required Quantitation limit (ACRQL)
Q = Validator's Qualifier
Data Qualifiers:

U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the ACRQL for sample and method [Ref. 34, p. 2]
J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL) [Ref. 34, p. 2]. Values qualified J due to issues of quality control as determined by the Data Validator are not considered for selection of maximum background or for the evaluation of observed release.
UJ = The analyte was not detected at a level greater than or equal to the ACRQL. However, the reported ACRQL is approximate and may be innacurate or imprecise [Ref. 34, p. 2]

ITALICS indicate the highest background detection for each analyte (or highest background RDL if no detections)

TABLE 3C
SURFACE WATER ANALYTICAL DATA - PESTICIDES AND AROCLORS
CONEY ISLAND CREEK

Sample Purpose:	Background Samples from Shell Bank Creek												3x Maximum Background, or Highest Reportig Detection Limit		Coney Island Creek Samples																				
Field Sample ID:	6100-SW22			6100-SW23			6100-SW24			6100-SW25					6100-SW01			6100-SW04			6100-SW09			6100-SW26			6100-SW11			6100-SW13			6100-SW14			6100-SW20		
CLP ID:	BG536			BG537			BG538			BG539					BG528			BG529			BG530			BG548			BG531			BG532			BG533			BG534		
Date:	4/13/2021			4/13/2021			4/13/2021			4/13/2021					4/13/2021			4/13/2021			4/14/2021			4/14/2021			4/14/2021			4/14/2021			4/14/2021			4/15/2021		
Comments:																								Duplicate of 6100-SW09													
Pesticides	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Value**	**Q**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**
alpha-BHC	0.038	J	0.054	*0.039*	J+	0.059	0.038	J	0.053	0.054	U	0.054	0.117	J	0.060	U	0.060	0.059	U	0.059	0.053	U	0.053	0.053	U	0.053	0.061	U	0.061	0.054	U	0.054	0.053	U	0.053	0.059	U	0.059
beta-BHC	0.054	U	0.054	0.059	U	*0.059*	0.053	U	0.053	0.054	U	0.054	0.059	U	0.060	U	0.060	0.059	U	0.059	0.053	U	0.053	0.053	U	0.053	0.061	U	0.061	0.054	U	0.054	0.053	U	0.053	0.059	U	0.059
delta-BHC	*0.023*	J	0.054	0.033	NJ	0.059	0.017	J	0.053	0.054	U	0.054	0.069	J	0.060	U	0.060	0.059	U	0.059	0.053	U	0.053	0.053	U	0.053	0.061	U	0.061	0.054	U	0.054	0.053	U	0.053	0.059	U	0.059
gamma-BHC (Lindane)	0.054	U	0.054	0.059	U	*0.059*	0.053	U	0.053	0.054	U	0.054	0.059	U	0.060	U	0.060	0.059	U	0.059	0.053	U	0.053	0.053	U	0.053	0.061	U	0.061	0.054	U	0.054	0.053	U	0.053	0.059	U	0.059
Heptachlor	0.0062	NJ	0.054	0.012	NJ	*0.059*	0.0055	NJ	0.053	0.054	U	0.054	0.059	U	0.060	U	0.060	0.059	U	0.059	0.053	U	0.053	0.053	U	0.053	0.061	U	0.061	0.054	U	0.054	0.053	U	0.053	0.059	U	0.059
Aldrin	0.054	U	0.054	0.059	U	*0.059*	0.053	U	0.053	0.054	U	0.054	0.059	U	0.060	U	0.060	0.059	U	0.059	0.053	U	0.053	0.053	U	0.053	0.061	U	0.061	0.054	U	0.054	0.053	U	0.053	0.059	U	0.059
Heptachlor epoxide	0.054	U	0.054	0.059	U	*0.059*	0.0086	NJ	0.053	0.054	U	0.054	0.059	U	0.060	U	0.060	0.059	U	0.059	0.053	U	0.053	0.053	U	0.053	0.061	U	0.061	0.054	U	0.054	0.053	U	0.053	0.059	U	0.059
Endosulfan I	0.054	U	0.054	0.059	U	*0.059*	0.053	U	0.053	0.054	U	0.054	0.059	U	0.060	U	0.060	0.059	U	0.059	0.053	U	0.053	0.053	U	0.053	0.061	U	0.061	0.054	U	0.054	0.053	U	0.053	0.059	U	0.059
Dieldrin	0.11	U	0.11	0.12	U	*0.12*	0.11	U	0.11	0.11	U	0.11	0.12	U	0.12	U	0.12	0.12	U	0.12	0.11	U	0.11	0.11	U	0.11	0.12	U	0.12	0.11	U	0.11	0.11	U	0.11	0.12	U	0.12
4,4'-DDE	0.11	U	0.11	0.12	U	*0.12*	0.11	U	0.11	0.11	U	0.11	0.12	U	0.12	U	0.12	0.12	U	0.12	0.11	U	0.11	0.11	U	0.11	0.12	U	0.12	0.11	U	0.11	0.11	U	0.11	0.12	U	0.12
Endrin	0.11	U	0.11	0.12	U	*0.12*	0.11	U	0.11	0.11	U	0.11	0.12	U	0.12	U	0.12	0.12	U	0.12	0.11	U	0.11	0.11	U	0.11	0.12	U	0.12	0.11	U	0.11	0.11	U	0.11	0.12	U	0.12
Endosulfan II	0.11	U	0.11	0.12	U	*0.12*	0.11	U	0.11	0.11	U	0.11	0.12	U	0.12	U	0.12	0.12	U	0.12	0.11	U	0.11	0.11	U	0.11	0.12	U	0.12	0.010	J	0.11	0.012	J	0.11	0.037	J	0.12
4,4'-DDD	0.11	U	0.11	0.12	U	*0.12*	0.11	U	0.11	0.11	U	0.11	0.12	U	0.12	U	0.12	0.12	U	0.12	0.11	U	0.11	0.11	U	0.11	0.12	U	0.12	0.11	U	0.11	0.11	U	0.11	0.12	U	0.12
Endosulfan Sulfate	0.11	U	0.11	0.12	U	*0.12*	0.11	U	0.11	0.11	U	0.11	0.12	U	0.12	U	0.12	0.12	U	0.12	0.11	U	0.11	0.11	U	0.11	0.12	U	0.12	0.11	U	0.11	0.11	U	0.11	0.12	U	0.12
4,4'-DDT	0.11	U	0.11	0.12	U	*0.12*	0.11	U	0.11	0.11	U	0.11	0.12	U	0.12	U	0.12	0.12	U	0.12	0.11	U	0.11	0.11	U	0.11	0.12	U	0.12	0.11	U	0.11	0.11	U	0.11	0.12	U	0.12
Methoxychlor	0.54	U	0.54	0.59	U	*0.59*	0.53	U	0.53	0.54	U	0.54	0.54	U	0.60	U	0.60	0.59	U	0.59	0.53	U	0.53	0.53	U	0.53	0.61	U	0.61	0.54	U	0.54	0.53	U	0.53	0.59	U	0.59
Endrin ketone	0.11	U	0.11	0.12	U	*0.12*	0.11	U	0.11	0.11	U	0.11	0.12	U	0.12	U	0.12	0.12	U	0.12	0.11	U	0.11	0.11	U	0.11	0.12	U	0.12	0.11	U	0.11	0.11	U	0.11	0.12	U	0.12
Endrin Aldehyde	0.11	U	0.11	0.12	U	*0.12*	0.11	U	0.11	0.11	U	0.11	0.12	U	0.12	U	0.12	0.12	U	0.12	0.11	U	0.11	0.11	U	0.11	0.12	U	0.12	0.11	U	0.11	0.11	U	0.11	0.12	U	0.12
cis-Chlordane	0.054	U	0.054	0.059	U	*0.059*	0.053	U	0.053	0.054	U	0.054	0.059	U	0.060	U	0.060	0.059	U	0.059	0.053	U	0.053	0.053	U	0.053	0.061	U	0.061	0.054	U	0.054	0.053	U	0.053	0.059	U	0.059
trans-Chlordane	0.054	U	0.054	0.059	U	*0.059*	0.053	U	0.053	0.054	U	0.054	0.059	U	0.060	U	0.060	0.059	U	0.059	0.053	U	0.053	0.053	U	0.053	0.061	U	0.061	0.054	U	0.054	0.053	U	0.053	0.059	U	0.059
Toxaphene	5.4	U	5.4	5.9	U	*5.9*	5.3	U	5.3	5.4	U	5.4	5.9	U	6.0	U	6.0	5.9	U	5.9	5.3	U	5.3	5.3	U	5.3	6.1	U	6.1	5.4	U	5.4	5.3	U	5.3	5.9	U	5.9
Reference	34, pp. 65, 177			34, pp. 71, 177			34, pp. 77, 177			34, pp. 83, 177, 178					34, pp. 19, 174, 175			34, pp. 29, 175			34, pp. 35, 175			34, pp. 107, 178			34, pp. 41, 175, 176			34, pp. 47, 176			34, pp. 53, 176			34, pp. 59, 176, 177		

Sample Purpose:	Background Samples from Shlle Bank Creek												3x Maximum Background, or Highest Reportig Detection Limit		Coney Island Creek Samples																				
Field Sample ID:	6100-SW22			6100-SW23			6100-SW24			6100-SW25					6100-SW01			6100-SW04			6100-SW09			6100-SW26			6100-SW11			6100-SW13			6100-SW14			6100-SW20		
CLP ID:	BG536			BG537			BG538			BG539					BG528			BG529			BG530			BG548			BG531			BG532			BG533			BG534		
Date:	4/13/2021			4/13/2021			4/13/2021			4/13/2021					4/13/2021			4/13/2021			4/14/2021			4/14/2021			4/14/2021			4/14/2021			4/14/2021			4/15/2021		
Comments:																								Duplicate of 6100-SW09													
Aroclors	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Value**	**Q**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**
Aroclor-1016	1.1	U	*1.1*	1.0	U	1.0	1.1	U	*1.1*	1.0	U	1.0	1.1	U	1.0	U	1.0	1.0	U	1.0	1.1	U	1.1	1.1	U	1.1	1.2	U	1.2	1.0	U	1.0	1.1	U	1.1	1.2	U	1.2
Aroclor-1221	1.1	U	*1.1*	1.0	U	1.0	1.1	U	*1.1*	1.0	U	1.0	1.1	U	1.0	U	1.0	1.0	U	1.0	1.1	U	1.1	1.1	U	1.1	1.2	U	1.2	1.0	U	1.0	1.1	U	1.1	1.2	U	1.2
Aroclor-1232	1.1	U	*1.1*	1.0	U	1.0	1.1	U	*1.1*	1.0	U	1.0	1.1	U	1.0	U	1.0	1.0	U	1.0	1.1	U	1.1	1.1	U	1.1	1.2	U	1.2	1.0	U	1.0	1.1	U	1.1	1.2	U	1.2
Aroclor-1242	1.1	U	*1.1*	1.0	U	1.0	1.1	U	*1.1*	1.0	U	1.0	1.1	U	1.0	U	1.0	1.0	U	1.0	1.1	U	1.1	1.1	U	1.1	1.2	U	1.2	1.0	U	1.0	1.1	U	1.1	1.2	U	1.2
Aroclor-1248	1.1	U	*1.1*	1.0	U	1.0	1.1	U	*1.1*	1.0	U	1.0	1.1	U	1.0	U	1.0	1.0	U	1.0	1.1	U	1.1	1.1	U	1.1	1.2	U	1.2	1.0	U	1.0	1.1	U	1.1	1.2	U	1.2
Aroclor-1254	1.1	U	*1.1*	1.0	U	1.0	1.1	U	*1.1*	1.0	U	1.0	1.1	U	1.0	U	1.0	1.0	U	1.0	1.1	U	1.1	1.1	U	1.1	1.2	U	1.2	1.0	U	1.0	1.1	U	1.1	1.2	U	1.2
Aroclor-1260	1.1	U	*1.1*	1.0	U	1.0	1.1	U	*1.1*	1.0	U	1.0	1.1	U	1.0	U	1.0	1.0	U	1.0	1.1	U	1.1	1.1	U	1.1	1.2	U	1.2	1.0	U	1.0	1.1	U	1.1	1.2	U	1.2
Aroclor-1262	1.1	U	*1.1*	1.0	U	1.0	1.1	U	*1.1*	1.0	U	1.0	1.1	U	1.0	U	1.0	1.0	U	1.0	1.1	U	1.1	1.1	U	1.1	1.2	U	1.2	1.0	U	1.0	1.1	U	1.1	1.2	U	1.2
Aroclor-1268	1.1	U	*1.1*	1.0	U	1.0	1.1	U	*1.1*	1.0	U	1.0	1.1	U	1.0	U	1.0	1.0	U	1.0	1.1	U	1.1	1.1	U	1.1	1.2	U	1.2	1.0	U	1.0	1.1	U	1.1	1.2	U	1.2
Reference	34, pp. 64, 180			34, pp. 70, 180, 181			34, pp. 76, 181			34, pp. 82, 181					34, pp. 18, 179, 180			34, pp. 28, 180			34, pp. 34, 180			34, pp. 106, 181			34, pp. 40, 180			34, pp. 46, 180			34, pp. 52, 180			34, pp. 58, 180		

All results are reported in micrograms per liter (µg/L)
RDL = Reporting Detection Limit, equivalent to the adjusted Contract Required Quantitation limit (ACRQL)
Q = Validator's Qualifier
Data Qualifiers:

U = The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the ACRQL for sample and method [Ref. 34, p. 2]
J = The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL) [Ref. 34, p. 2]. Values qualified J due to issues of quality control as determined by the Data Validator are not considered for selection of maximum background or for evaluation of observed release.
J+ = The result is an estimated quantity, but the result may be biased high [Ref. 34, p. 2]
NJ = The analysis indicates the presence of an analyte that has been "tentatively identified' and the associated numerical value represents its approximate concentration [Ref. 34, p. 2]

ITALICS indicate the highest background detection for each analyte (or highest background RDL if no detections)

TABLE 3D
SURFACE WATER ANALYTICAL DATA - INORGANICS
CONEY ISLAND CREEK

Sample Purpose:	Background Samples												3x Maximum Background, or Highest Reporting Detection Limit		Coney Island Creek Samples																				
Field Sample ID:	6100-SW22			6100-SW23			6100-SW24			6100-SW25					6100-SW01			6100-SW04			6100-SW09			6100-SW26			6100-SW11			6100-SW13			6100-SW14			6100-SW20		
CLP ID:	BG536			BG537			BG538			BG539					BG528			BG529			BG530			BG548			BG531			BG532			BG533			BG534		
Date:	4/13/2021			4/13/2021			4/13/2021			4/13/2021					4/13/2021			4/13/2021			4/14/2021			4/14/2021			4/14/2021			4/14/2021			4/14/2021			4/15/2021		
Comments:																								Duplicate of 6100-SW09												
Metals	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Value**	**Q**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**	**Result**	**Q**	**RDL**
Aluminum	1000	U	*1000*	1000	U	*1000*	1000	U	*1000*	1000	U	*1000*	1000	U	1000	U	1000	1000	U	1000	1000	U	1000	1000	U	1000	1000	U	1000	1000	U	1000	1000	U	1000	1000	U	1000
Antimony	300	U	*300*	300	U	*300*	300	U	*300*	300	U	*300*	300	U	300	U	300	300	U	300	300	U	300	300	U	300	300	U	300	300	U	300	300	U	300	300	U	300
Arsenic	50	U	*50*	50	U	*50*	50	U	*50*	50	U	*50*	50	U	50	U	50	50	U	50	50	U	50	50	U	50	50	U	50	50	U	50	50	U	50	50	U	50
Barium	1000	U	*1000*	1000	U	*1000*	1000	U	*1000*	1000	U	*1000*	1000	U	1000	U	1000	1000	U	1000	1000	U	1000	1000	U	1000	1000	U	1000	1000	U	1000	1000	U	1000	1000	U	1000
Beryllium	25	U	*25*	25	U	*25*	25	U	*25*	25	U	*25*	25	U	25	U	25	25	U	25	25	U	25	25	U	25	25	U	25	25	U	25	25	U	25	25	U	25
Cadmium	25	U	*25*	25	U	*25*	25	U	*25*	25	U	*25*	25	U	25	U	25	25	U	25	25	U	25	25	U	25	25	U	25	25	U	25	25	U	25	25	U	25
Calcium	330000		25000	290000		25000	300000		25000	*350000*		25000	1050000		270000		25000	260000		25000	260000		25000	250000		25000	280000		25000	260000		25000	230000		25000	230000		25000
Chromium	50	U	*50*	50	U	*50*	50	U	*50*	50	U	*50*	50	U	50	U	50	6.6	J	50	50	U	50	50	U	50	50	U	50	50	U	50	50	U	50	50	U	50
Cobalt	250	U	*250*	250	U	*250*	250	U	*250*	250	U	*250*	250	U	250	U	250	250	U	250	250	U	250	250	U	250	250	U	250	250	U	250	250	U	250	250	U	250
Copper	120	U	*120*	120	U	*120*	120	U	*120*	120	U	*120*	120	U	120	U	120	56	J	120	120	U	120	120	U	120	120	U	120	120	U	120	120	U	120	120	U	120
Iron	500	U	*500*	500	U	*500*	500	U	*500*	500	U	*500*	500	U	500	U	500	500	U	500	500	U	500	500	U	500	320	J	500	160	J	500	600		500	400	J	500
Lead	50	U	*50*	50	U	*50*	50	U	*50*	50	U	*50*	50	U	50	U	50	50	U	50	50	U	50	50	U	50	50	U	50	50	U	50	50	U	50	50	U	50
Magnesium	1100000		25000	900000		25000	930000		25000	*1100000*		25000	3300000		820000	J	25000	780000		25000	780000		25000	760000		25000	840000		25000	800000		25000	690000		25000	650000		25000
Manganese	26	J	75	39	J	75	*140*		75	33	J	75	420		30	J	75	30	J	75	36	J	75	31	J	75	43	J	75	38	J	75	47	J	75	94		75
Nickel	200	U	*200*	200	U	*200*	200	U	*200*	200	U	*200*	200	U	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200	200	U	200
Potassium	340000		25000	290000		25000	300000		25000	*350000*		25000	1050000		260000	J	25000	250000		25000	250000		25000	240000		25000	270000		25000	260000		25000	230000		25000	210000		25000
Selenium	180	U	*180*	180	U	*180*	180	U	*180*	180	U	*180*	180	U	180	U	180	180	U	180	180	U	180	180	U	180	180	U	180	180	U	180	180	U	180	180	U	180
Silver	50	U	*50*	50	U	*50*	50	U	*50*	50	U	*50*	50	U	50	U	50	50	U	50	50	U	50	50	U	50	50	U	50	50	U	50	50	U	50	50	U	50
Sodium	8400000		200000	8000000		200000	7500000		200000	*8600000*		400000	25800000		6900000		200000	6800000		200000	6700000		200000	6700000		200000	6900000		200000	6600000		200000	6400000		200000	5700000		200000
Thallium	120	U	*120*	120	U	*120*	120	U	*120*	120	U	*120*	120	U	120	U	120	120	U	120	120	U	120	120	U	120	16	J	120	120	U	120	120	U	120	120	U	120
Vanadium	250	U	*250*	250	U	*250*	250	U	*250*	250	U	*250*	250	U	250	U	250	250	U	250	250	U	250	250	U	250	250	U	250	250	U	250	250	U	250	250	U	250
Zinc	300	U	*300*	300	U	*300*	300	U	*300*	300	U	*300*	300	U	300	U	300	300	U	300	300	U	300	300	U	300	300	U	300	300	U	300	300	U	300	300	U	300
Mercury	0.20	UJ	*0.20*	0.20	UJ	*0.20*	0.20	U	*0.20*	0.20	U	*0.20*	0.20	U	0.20	UJ	0.20	0.20	UJ	0.20	0.20	UJ	0.20	0.20	U	0.20	0.20	UJ	0.20	0.20	UJ	0.20	0.20	UJ	0.20	0.20	UJ	0.20
Cyanide	10	U	10	*5.1*	J	10	10	U	10	10	U	10	15.3	J	5.2	J	10	5.0	J	10	10	U	10	10	U	10	10	U	10	6.2	J	10	40	J-	10			
Reference	41, pp. 15, 25; 42, pp. 28, 29, 48, 52			41, pp. 16, 25; 42, pp. 30, 31, 49, 52			41, pp. 17, 25; 42, pp. 32, 33, 49, 52			41, pp. 18, 25; 42, pp. 34, 35, 49, 52					41, pp. 6, 25; 42, pp. 8, 9, 46, 51			41, pp. 9, 25; 42, pp. 16, 17, 46, 51			41, pp. 10, 25; 42, pp. 18, 19, 47, 52			41, pp. 21, 25; 42, pp. 40, 41, 50, 52			41, pp. 11, 25; 42, pp. 20, 21, 47, 52			41, pp. 12, 25; 42, pp. 22, 23, 47, 52			41, pp. 13, 25; 42, pp. 24, 25, 48, 52			41, pp. 14, 25; 42, pp. 26, 27, 48, 52		

All concentrations presented in milligrams per liter (µg/L)
RDL = Reporting Detection Limit, equivalent to the adjusted Contract Required Quantitation Limit (ACRQL)
Q = Validator's Qualifier

Data Qualifiers:
U = The analyte was analyzed for, but was not detected above the level of the reported quantitation limit [Ref. 41, p. 2]
J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample [Ref. 41, p. 2]
J- = The result is an estimated quantity, but the result may be biased low [Ref. 41, p. 2]
UJ = The analtye was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise [Ref. 41, p. 2]

ITALICS indicate the highest background detections for each analyte (or highest background RDL if no detections)
YELLOW HIGHLIGHT indicates that the result meets observed release criteria (≥ 3x maximum background, or ≥ highest RDL if no background detections)

PART IV: HAZARD ASSESSMENT

GROUNDWATER MIGRATION PATHWAY

1. Describe the likelihood of a release of contaminant(s) to the groundwater as follows: observed release, suspected release, or none. Identify contaminants detected or suspected and provide a rationale for attributing them to the site. For observed release, define the supporting analytical evidence and relationship to background.

A release to groundwater is neither observed nor suspected. The CIC site is evaluated as an area of sediment contamination with multiple possible sources of contamination, and therefore does not have a potential to release to the Groundwater Migration Pathway. Analytical results for creek sediment samples collected by Region 2 SAT in April 2021 document that creek sediment is contaminated with VOCs, SVOCs, pesticides, and inorganic constituents as discussed in **Part III.**

Ref. 55, Figure 3a.

2. Describe the aquifer of concern; include information such as depth, thickness, geologic composition, areas of karst terrain, permeability, overlying strata, confining layers, interconnections, discontinuities, depth to water table, groundwater flow direction.

The CIC site is located within the Atlantic Coastal Plain physiographic province of NY State, which is characterized by low relief with elevations ranging from sea level to almost 400 feet above mean sea level. The stratigraphy of the province consists of Late Cretaceous- and Pleistocene-age unconsolidated deposits that overlie a southeastward sloping surface of Precambrian crystalline bedrock. The unconsolidated deposits form six distinct hydrogeologic units (four aquifers and two confining layers). The regional hydrogeologic units, in ascending order, are the Lloyd aquifer, Raritan Formation confining unit, Magothy aquifer, Jameco aquifer, Gardiners clay confining unit, and upper glacial aquifer; these units are not all continuous throughout the region.

Based on borings performed in and near the creek by Region 2 SAT V, the site is underlain by the upper glacial aquifer. This aquifer consists of Pleistocene glacial outwash deposits composed mostly of fine to coarse sand and gravel in Kings County, NY. The hydraulic conductivity of these Pleistocene outwash deposits ranges from less than 4.6×10^{-2} centimeters per second (cm/s) to 9.5×10^{-2} cm/s. At the CIC site investigation area, upper glacial units are underlain by the Gardiners clay at an approximate depth of 40 to 120 feet below ground surface (bgs) and the Jameco aquifer at an approximate depth of 80 to 140 feet bgs. The Gardiners clay is recognized as a confining unit. It is composed of clay and few sand and silt beds. The hydraulic conductivity of this confining unit is less than 10^{-6} cm/s. The Jameco aquifer lies unconformably beneath the Gardiners clay throughout Kings County, NY. This aquifer consists of fine to coarse sand and gravel and has an estimated hydraulic conductivity of 9.4×10^{-2} cm/s. Based on these considerations, the upper glacial aquifer is the aquifer of concern at the CIC site; however, there are no known drinking water or resource uses of groundwater in New York City.

The water table surface occurs in the upper glacial aquifer from approximately 4 to 10 feet bgs in Kings County, NY. In general, groundwater flow is to the east and northeast in the upper glacial aquifer. Isolated/locally perched groundwater has been found in some site borings/wells in some portions of the county.

Geologic Unit	Depth (Approximate)	Thickness (Approximate)
Upper glacial aquifer	0 feet	40-120 feet
Gardiners clay	40-120 feet	0-90 feet
Jameco aquifer	80-140 feet	0-100 feet

Ref. 25, pp. 2–25; 43, pp. 7–9; 44, pp. 6, 9, 10; 45, pp. 1, 2.

3. What is the depth from the lowest point of waste disposal/storage to the highest seasonal level of the saturated zone of the aquifer of concern?

The contaminated sediments in Coney Island Creek are below the water table; therefore, the depth from the lowest point of waste disposal/storage (i.e., the contaminated sediments) to the highest seasonal level of the saturated zone of the aquifer of concern is 0 feet.

Ref. 25, pp. 2–25; 55, Figure 3a.

4. What is the permeability value of the least permeable continuous intervening stratum between the ground surface and the top of the aquifer of concern?

Sediment cores were collected and logged as part of the April 2021 SI Sampling event. Subsurface sediments encountered were mostly fine sands, silt, and sandy silt, with minor amounts of clay. Sand with varying amounts of silt and clay is considered the least permeable continuous intervening stratum between the contaminated sediment source and the top of the aquifer of concern. Sandy deposits such as this are assigned a hydraulic conductivity of 10^{-4} centimeters per second (cm/s).

Ref. 8, pp. 12–15, 18–23; 25, pp. 2–25; 27, p. 7.

5. What is the net precipitation at the site (inches)?

Net precipitation at the site is greater than 15 to 30 inches.

Ref. 27, pp. 5, 6.

6. What is the distance to and depth of the nearest well that is currently used for drinking purposes?

The groundwater in New York City is not used as a drinking water supply. Therefore, the nearest well used for drinking purposes is outside the 4-mile target distance limit (TDL).

Ref. 44, p. 5; 46, p. 2; 47, p. 1; 55, Figure 4.

7. If a release to groundwater is observed or suspected, determine the number of people that obtain drinking water from wells that are documented or suspected to be actually contaminated by hazardous substance(s) attributed to an observed release from the site.

There are no drinking water wells located within 4 miles of the site. The groundwater in New York City is not used as a drinking water supply.

Ref. 44, p. 5; 46, pp. 2, 4; 47, p. 1; 55, Figure 4.

8. Identify the population served by wells located within 4 miles of the site that draw from the aquifer of concern.

There are no populations served by wells within 4 miles of the site. The groundwater in New York City is not used as a drinking water supply.

Ref. 44, p. 5; 46, pp. 2, 4; 47, p. 1; 55, Figure 4.

State whether groundwater is blended with surface water, groundwater, or both before distribution.

Groundwater in the TDL is not used as a drinking water supply. Therefore, there is no groundwater blending or distribution.

Ref. 44, pp. 5, 7; 46, pp. 2, 4; 47, p. 1; 55, Figure 4.

Is a designated wellhead protection area within 4 miles of the site?

There are no drinking water supply wells and, therefore, no designated wellhead protection areas (WHPA), within 4 miles of the site.

Ref. 44, p. 5; 46, pp. 2, 4; 47, p. 1; 55, Figure 4.

Does a waste source overlie a designated or proposed wellhead protection area? If a release to groundwater is observed or suspected, does a designated or proposed wellhead protection area lie within the contaminant boundary of the release?

Groundwater in New York City is not used as a drinking water supply. Therefore, there are no designated or proposed WHPAs within the contaminant boundary of the release.

Ref. 44, p. 5; 46, pp. 2, 4; 47, p. 1; 55, Figure 4.

9. Identify one of the following resource uses of groundwater within 4 miles of the site (i.e., commercial livestock watering, ingredient in commercial food preparation, supply for commercial aquaculture, supply for major, or designated water recreation area, excluding drinking water use, irrigation (5-acre minimum) of commercial food or commercial forage crops, unusable).

There are no known resource uses of groundwater within 4 miles of the site.

Ref. 44, p. 5; 46, pp. 2, 4; 47, p. 1; 55, Figure 4.

SURFACE WATER MIGRATION PATHWAY

10. Describe the likelihood of a release of contaminant(s) to surface water as follows: observed release, suspected release, or none. Identify contaminants detected or suspected and provide a rationale for attributing them to the site. For observed release, define the supporting analytical evidence and relationship to background.

A release to surface water is documented by chemical analysis. As discussed above, validated CLP analytical results for sediment samples collected by Region 2 SAT in April 2021 document the presence of a contaminated sediment source within Coney Island Creek, with multiple possible upland sources of contamination. The contaminated sediment source is characterized primarily by PAHs and inorganic constituents, as well as the VOC 1,2,4-trimethylebenzene, the SVOC bis(2-ethyhexyl)phthalate, and various pesticides. Sediment sample results show that a zone of contamination extends from sediment sample locations 6100-SED17 in the eastern portion of the creek to 6100-SED02 and 6100-SED03 in the western portion of the creek. The variety and distribution of contaminants and the presence of numerous outfalls suggest that the sediment contamination originates at a variety of possible sources. See **Part III**, **Tables 2A through 2D** for summaries of the sediment data.

Analytical results for surface water samples collected at the CIC site indicate two detections of inorganic analytes above the highest respective background RDLs: iron at 600 µg/L in sample 6100-SW14, which was collected from the eastern portion of the creek; and cyanide at 40 J- µg/L in sample 6100-SW20, which was collected at the eastern terminus of the creek [Ref. 55, Figure 3a]. Iron is not known to be associated with the contaminated sediment, and the origin of the cyanide detection is unknown. Cyanide was not detected in sediment along the portion of the creek that was remediated with 3 feet of clean soil in association with the former MGP site, however, sample location 6100-SW20 was not part of that cleanup [Ref. 20, pp. 11, 50]. Cyanide was detected downstream of the surface water detection (and downstream of the remediated zone) in sediment samples 6100-SED13B, 6100-SED13C, 6100-SED05A, and 6100-SED03C; see **Figure 3a** for a depiction of the extent of cyanide contamination. See **Part III**, **Tables 3A through 3D** for summaries of the surface water data.

Almost all natural streamflow to the creek has been eliminated, and watershed drainage is dominated by groundwater discharge, CSO discharges, and overland flow. Most of the

surrounding area is covered by impermeable surfaces such as pavement, and most stormwater in the site's urban setting is captured by municipal separate storm sewer systems (MS4) and CSOs, which discharge to the creek.

Ref. 28, p. 10; 55, Figures 3a and 3b.

11. Identify the nearest downslope surface water. If possible, include a description of possible surface drainage patterns from the site.

The site consists of contaminated sediments within Coney Island Creek; therefore, Coney Island Creek is the nearest downslope surface water. The creek is a tidal arm of the NY-NJ Harbor Estuary. Most of the surrounding area is covered by impermeable surfaces such as pavement, and most stormwater in the site's surrounding urban setting is captured by MS4s and CSOs that discharge to the creek.

Coney Island Creek extends westerly from a culvert at Shell Road for approximately 1.8 miles into Gravesend Bay. The 15-mile TDL extends from that confluence through Lower New York Bay into Raritan Bay and the Atlantic Ocean; and Upper New York Bay into the Hudson River, Arthur Kill, and Kill Van Kull. Most of the water bodies within the 15-mile TDL are part of the core area of the NY-NJ Harbor Estuary, which was designated as an "Estuary of National Significance" by EPA in 1988.

Ref. 17, p. 4; 28, p. 10; 55, Figures 3a and 5.

12. What is the distance in feet to the nearest downslope surface water? Measure the distance along a course that runoff can be expected to follow.

The site consists of contaminated sediments within Coney Island Creek; therefore, the distance to the nearest downslope surface water is 0 feet. Most of the surrounding area is covered by impermeable surfaces such as pavement, and most stormwater in the site's surrounding urban setting is captured by MS4s and CSOs that discharge to the creek.

Ref. 28, p. 10; 55, Figures 3a and 5.

13. Identify all surface water body types within 15 downstream miles.

Name	Water Body Type	Flow (cfs)	Salt/Fresh/Brackish
Coney Island Creek*	Coastal tidal waters	N/A	Salt
Upper New York Bay*	Coastal tidal waters	N/A	Salt
Lower New York Bay*	Coastal tidal waters	N/A	Salt
Jamaica Bay*	Coastal tidal waters	N/A	Salt
Kill Van Kull*	Coastal tidal waters	N/A	Salt
Newark Bay*	Coastal tidal waters	N/A	Salt
Arthur Kill*	Coastal tidal waters	N/A	Salt

Name	Water Body Type	Flow (cfs)	Salt/Fresh/Brackish
Raritan Bay*	Coastal tidal waters	N/A	Salt
Sandy Hook Bay*	Coastal tidal waters	N/A	Salt
Atlantic Ocean	Moderate depth ocean zone	N/A	Salt

*Water of the NY-NJ Harbor Estuary

Ref. 17, pp. 4, 93; 27 p. 11; 55, Figure 5.

14. Determine the 2-yr, 24-hr rainfall (inches) for the site.

The 2-year, 24-hour rainfall for the site location is 3.44 inches.

Ref. 48, p. 1.

15. Determine size of the drainage area (acres) for sources at the site.

The Coney Island Creek watershed comprises approximately 3,470 acres, and the majority of the land surrounding and immediately adjacent to the creek is highly urbanized, consisting of industrial and commercial uses. The majority of the surrounding area is paved with impermeable surfaces such as pavement on city streets, and most stormwater in the urban setting is captured by separate stormwater systems (i.e., MS4s) and CSOs that discharge to the creek.

Ref. 28, pp. 10, 11.

16. Describe the predominant soil group in the drainage area.

The areas surrounding Coney Island Creek are covered predominantly by impermeable surfaces (for example, pavement), which are evaluated under Soil Group Designation D.

Ref. 49, pp. 1–3; 27 p. 9.

17. Determine the type of floodplain that the site is located within.

The CIC site consists of contaminated sediments within Coney Island Creek. The Federal Emergency Management Agency (FEMA) has designated the surrounding land area to be within Flood Zone AE. Zone AE is defined as an area of special hazard within the 100-year floodplain.

Ref. 50, p. 1.

18. Identify drinking water intakes in surface waters within 15 miles downstream of the point of surface water entry. For each intake identify: the name of the surface water body in which the intake is located, the distance in miles from the point of surface water entry, population served, and stream flow at the intake location.

The entire 15-mile TDL comprises coastal water bodies and the Atlantic Ocean. There are no drinking water intakes within 15 miles downstream of the site.

Ref. 55, Figure 5.

19. Identify fisheries that exist within 15 miles downstream of the point of surface water entry.

The 15-mile TDL for the site is mostly within the NY-NJ Harbor Estuary, which is used for fishing and is home to more than 100 fish species, including striped bass and bluefish, as well as crabs, clams, mussels, and other invertebrates. Region 2 SAT personnel observed fishing for human consumption in the western portion of Coney Island Creek at the Kaiser Park fishing pier; fishing is also known to occur in other parts of the creek.

Fishery Name	Water Body Type	Flow (cfs)	Salt/Fresh/Brackish
NY-NJ Harbor Estuary*	Coastal tidal waters	N/A	Salt
Atlantic Ocean	Moderate depth ocean zone	N/A	Salt

*Includes Coney Island Creek and other coastal tidal waters listed above (see Question No. 13).

Ref. 4, p. 3; 15, pp. 1, 2; 17, pp. 93; 20, pp. 11, 16; 55, Figure 5; 57, pp. 1, 2.

20. Identify surface water sensitive environments that exist within 15 miles of the point of surface water entry.

The following HRS- eligible sensitive environments exist along the 15-mile surface water pathway.

- 7 Federally Endangered/Threatened Species
- 13 State Endangered/Threatened Species
- 1 National Seashore Recreation Area (including NY Protected Areas Database)
- 2 State Designated Natural Areas (including the NYSDEC Critical Environmental Areas, and NYSDEC Natural Heritage Sites)
- 1 Unique Biotic Community (including the Hudson River Significant Biodiversity Area)

There is a fishery and designated estuary subject to actual contamination within the creek segment. There is a total of 39.9 miles of wetland frontage along the water bodies within the TDL subject to potential contamination.

Water Body	Water Body Type	Flow (cfs)	Dilution Weight	Wetlands Frontage (miles)
Upper New York Bay	Coastal tidal waters	N/A	0.0001	1.8
Lower New York Bay	Coastal tidal waters	N/A	0.0001	0.1
Jamaica Bay	Coastal tidal waters	N/A	0.0001	31.4
Kill Van Kull	Coastal tidal waters	N/A	0.0001	1.0
Newark Bay	Coastal tidal waters	N/A	0.0001	0.0
Arthur Kill	Coastal tidal waters	N/A	0.0001	1.3
Raritan Bay	Coastal tidal waters	N/A	0.0001	2.8
Sandy Hook Bay	Coastal tidal waters	N/A	0.0001	1.3
			Total	39.9

Ref. 17, pp. 1–4, 8, 9, 15, 36, 39, 43, 45, 47, 50, 53, 55, 58, 61, 64–66, 71, 73, 75, 77, 78, 83, 86, 89; 27, p. 50; 55, Figure 5.

21. If a release to surface water is observed or suspected, identify any intakes, fisheries, and sensitive environments from question Nos. 18-20 that are or may be actually contaminated by hazardous substance(s) attributed to an observed release of from the site.

An observed release to the Surface Water Migration Pathway is documented by chemical analysis; see the response to Question No. 10 for a description of the likelihood of a release.

The April 2021 SI sediment sampling documents actual contamination of the Coney Island Creek fishery and the NY-NJ Harbor Estuary sensitive environment. A zone of contamination has been delineated extending from sediment sample location 6100-SED02 and 6100-SED03 in the western portion of the creek to sediment sample location 6100-SED17 in the eastern portion of the creek. On September 3, 2020, Region 2 SAT personnel observed fishing for human consumption at the Kaiser Park fishing pier. This location is within the zone of contamination and immediately adjacent to sediment sample location 6100-SED02, where silver (5.7 mg/kg [depth: 0 to 2 feet bss] and 4.2 mg/kg [depth: 2 to 4 feet bss]) was detected at concentrations greater than or equal to 3x the maximum background concentration (1.4 J mg/kg).

Coney Island Creek is a tidal arm of the NY-NJ Harbor Estuary, which is a sensitive area identified under the National Estuary Program. Therefore, the estuary and fishery are subject to actual contamination.

Ref. 17, pp. 3, 4, 93; 20, pp. 11, 16; 55, Figure 3a.

22. Identify whether the surface water is used for any of the following purposes, such as: irrigation (5 acre minimum) of commercial food or commercial forage crops, watering of commercial livestock, commercial food preparation, recreation, potential drinking water supply.

Surface water within 15 miles of the site is used for primary (swimming and baptisms) and secondary (recreational fishing and boating) contact recreation.

Ref. 4, pp. 2, 3; 14, p. 2; 17, pp. 103, 120.

SOIL EXPOSURE AND SUBSURFACE INTRUSION PATHWAY

23. Determine the number of people that occupy residences or attend school or day care on or within 200 feet of observed contamination.

Soil exposure and subsurface intrusion was not considered a pathway of concern in evaluating the CIC site. The site consists of contaminated creek sediments, which is not considered an Area of Observed Contamination (AOC) for the Soil Exposure component. Therefore, there are no Soil Exposure targets associated with the contaminated sediments.

Ref. 55, Figure 3a.

24. Determine the number of people that regularly work on or within 200 feet of observed contamination.

Soil exposure and subsurface intrusion was not considered a pathway of concern in evaluating the CIC site. The site consists of contaminated creek sediments, which is not considered an AOC for the Soil Exposure component. Therefore, there are no Soil Exposure targets associated with the contaminated sediments.

Ref. 55, Figure 3a.

25. Identify terrestrial sensitive environments on or within 200 feet of observed contamination.

Soil exposure and subsurface intrusion was not considered a pathway of concern in evaluating the CIC site. The site consists of contaminated creek sediments, which is not considered an AOC for the Soil Exposure component. Therefore, there are no Soil Exposure targets associated with the contaminated sediments.

Ref. 55, Figure 3a.

26. Identify whether there are any of the following resource uses, such as commercial agriculture, silviculture, livestock production or grazing within an area of observed or suspected soil contamination.

Soil exposure and subsurface intrusion was not considered a pathway of concern in evaluating the CIC site. The site consists of contaminated creek sediments, which is not considered an AOC for the Soil Exposure component. Therefore, there are no Soil Exposure targets associated with the contaminated sediments.

Ref. 55, Figure 3a.

27. Is there an area of subsurface contamination (ASC) that could have an impact on regularly occupied structures via subsurface intrusion?

Soil exposure and subsurface intrusion was not considered a pathway of concern in evaluating the CIC site. The site consists of contaminated creek sediments; there are no ASCs associated with the contaminated sediments.

Ref. 55, Figure 3a.

28. Describe the likelihood of exposure to contaminant(s) in the subsurface intrusion component as follows: observed exposure, suspected exposure, potential exposure, or none. Identify contaminants detected or suspected and provide a rationale for attributing them to the site. For observed exposure, define the supporting direct observation or analytical evidence and the relationship to background.

Soil exposure and subsurface intrusion was not considered a pathway of concern in evaluating the CIC site. The site consists of contaminated creek sediments; there is no observed or suspected Subsurface Intrusion exposure associated with the contaminated sediments.

Ref. 55, Figure 3a.

29. Identify the number of individuals residing in or attending school or day care in regularly occupied structures within documented areas of observed exposure (AOE). Also identify the number of individuals residing in or attending school or day care in regularly occupied structures within the ASC but outside the documented AOE(s).

Soil exposure and subsurface intrusion was not considered a pathway of concern in evaluating the CIC site. The site consists of contaminated creek sediments; there are no Subsurface Intrusion targets associated with the contaminated sediments.

Ref. 55, Figure 3a.

30. Identify the number of full-time workers and the number of part-time workers in regularly occupied structures within the documented AOE(s). Also identify the number of full-time workers and the number of part-time workers in regularly occupied structures within the ASC but outside the documented AOE(s).

Soil exposure and subsurface intrusion was not considered a pathway of concern in evaluating the CIC site. The site consists of contaminated creek sediments; there are no Subsurface Intrusion targets associated with the contaminated sediments.

Ref. 55, Figure 3a.

31. Is there resource use of regularly occupied establishments (e.g., library, church, tribal facility) within either an AOE or an ASC?

Soil exposure and subsurface intrusion was not considered a pathway of concern in evaluating the CIC site. The site consists of contaminated creek sediments; there are no Subsurface Intrusion targets associated with the contaminated sediments.

Ref. 55, Figure 3a.

AIR MIGRATION PATHWAY

32. Describe the likelihood of release of hazardous substances to air as follows: observed release, suspected release, or none. Identify contaminants detected or suspected and provide a rationale for attributing them to the site. For observed release, define the supporting analytical evidence and relationship to background.

Coney Island Creek was evaluated for sediment contamination; air samples were not collected during the 2021 SI sampling event. There are no emission sources associated with the CIC site. The site consists of contaminated creek sediments beneath the water surface, isolating the hazardous substances in the sediment from releasing to the ambient air via volatilization or airborne particulates. Based on these considerations, a release to air is neither observed nor suspected.

Ref. 9, pp. 4, 5; 55, Figure 3a.

33. Determine populations that reside within 4 miles of the site.

The total population residing within 4 miles of the site is 932,479, as follows:

Distance Ring (mi)	Population
On-site	0
>0 - ¼	23,923
>¼ - ½	38,708
>½ - 1	72,356

Distance Ring (mi)	Population
>1 - 2	213,826
>2 - 3	225,144
>3 - 4	358,522
Total	932,479

Ref. 52, p. 2.

34. Identify sensitive environments, including wetlands and associated wetlands acreage, within 4 miles of the site.

Distance (miles)	Wetlands Acreage	Sensitive Environments
On-site	0.00	None identified
0 – ¼	0.00	NY-NJ Harbor Estuary
¼ – ½	0.00	None identified
>½ – 1	0.00	None identified
>1 – 2	0.00	1 Protected Area
>2 – 3	29.4	3 Protected Areas
>3 – 4	103.3	4 Federal-listed endangered/threated species 8 State-listed endangered/threatened species

Ref. 17, p. 3; 55, Figure 4.

35. If a release to air is observed or suspected, determine the number of people that reside or are suspected to reside within the area of air contamination from the release.

A release to air is neither observed nor suspected. See the response to Question No. 32 for a description of the likelihood of a release.

36. If a release to air is observed or suspected, identify any sensitive environments, listed in question No. 29, that are or may be located within the area of air contamination from the release.

A release to air is neither observed nor suspected. See the response to Question No. 32 for a description of the likelihood of a release.

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CONEY ISLAND CREEK
BROOKLYN, NY

Site Contacts

Community Involvement Coordinator
Donette Samuel
(212) 637-3570

Site Location

Street Address:
Cropsey Avenue
BROOKLYN, NY 11224

Announcements and Key Topics

To view the Abbreviated Preliminary Assessment Report: click here

To view the Community Update for April 2021 (\English): click here

From April 12-27, 2021, the U.S. Environmental Protection Agency (EPA) collected surface water and sediment samples from Coney Island Creek in Brooklyn, New York to determine if there has been a release or threatened release of hazardous substances ...
Continue reading announcements and key topics »

Background

In September 2020, EPA completed a preliminary assessment of the Coney Island Creek site in response to a petition from a member of the community to assess the creek. Information ...
Continue reading background »

CONEY ISLAND CREEK
BROOKLYN, NY

Operable Units

Below, EPA has provided a list of the remedial actions selected pertaining to each operable unit.

EPA issues **Records of Decision (RODs)** to explain which cleanup methods will be used at Superfund National Priorities List sites. EPA has two primary documents that it may use to identify changes to the remedies selected in RODs. EPA uses a **ROD Amendment** when it needs to make a fundamental change to the remedy. EPA publishes an **Explanation of Significant Differences (ESD)** for significant changes.

During cleanup, complex sites may be divided into several distinct areas to make the response more efficient. These areas, called **operable units (OUs)**, may address geographic areas, specific problems, or medium (e.g., groundwater, soil) where a specific action is required. The remedies are displayed for the OU numbers indicated in the original decision document. OU numbers may change over time.

EPA is working to improve data quality. The information presented on this page is undergoing review for accuracy and completeness, and may be subject to change.

OU ID	Name	Decision Document	Cleanup Technologies Selected in the Decision Document
00	SITEWIDE	Not applicable	

JUNE 29, 2021

CONEY ISLAND CREEK
BROOKLYN, NY

Site Documents & Data

On this page:

- Reports and Documents
- Administrative Records
- Site Data

Reports and Documents

Note: Large collections may take longer to load.

- SPP Public Available Documents (4 documents)

Administrative Records

There are no published administrative records currently available for the site.

Site Data

National Priorities List Status: non-NPL
The National Priorities List is intended primarily to guide EPA in determining which sites warrant further investigation. Learn more about the NPL.

City and State: BROOKLYN, NY

County: KINGS

EPA ID: NYN000203538

March 3, 2020

Andrew Wheeler
Administrator
Environmental Protection Agency
1200 Pennsylvania Avenue, N.W.
Washington DC 20460

Dear Administrator Wheeler:

The Coney Island Creek, a 1.8-mile long tidal inlet running through the communities of Coney Island, Gravesend and Sea Gate in Brooklyn, New York, has hosted a variety of industrial and medium-to-heavy manufacturing land uses continually since the late nineteenth century. It also serves as an important recreational site today for the community who swims, fishes and boats in its waters. The creek contains a host of legacy contaminants from prior industrial tenants, is a discharge point for untreated sanitary sewage, stormwater and floatables, and periodically floods over which impacts the broader upland communities. For all of these reasons, the Coney Island Creek poses a risk to human health and the environment. We have no way of gauging our level of risk.

Recently, the U.S. Army Corps of Engineers (USACE) announced the suspension of their harbor-wide coastal storm risk management feasibility study. The authority of this study would have enabled our communities to provide a basis to drive future public and private Capital infrastructure investment to reduce the impacts of coastal storm damages and enhance our resilience. Providing such a basis is the most important role our government can play to ensure that investments intended to make us more resilient are coordinated, leveraged, and working toward compatible and complimentary goals.

Without the USACE study we've been left out in the rain without the umbrella of Federal authority. Effectively, we're being fated to a never-ending series of disjointed initiatives by other reaches of government with no guarantees they will be coordinated and working toward the same goals. Case in point, the City of New York is currently proposing to spot dredge portions of the creek in order to provide a much-needed maritime-based ferry service by 2021 to enhance transportation access and mobility throughout this region.

Many, myself included, see ferry service as a welcome addition to the community; however, the service cannot be rushed haphazardly if it means ignoring the creek's underlying challenges and pre-existing conditions. To do so would be incredibly irresponsible and would unnecessarily place the community at-risk not just once, but regularly, since the City is telling us they will need to perform spot dredging every few years to maintain the navigability of the waterway. Many are dreading the risks and costs inherent in this proposal. Fear and frustration is growing by orders of magnitude as more

and more people learn about the City's ferry plans coupled with news of the USACE study being cancelled.

For many years, well before the announcement of the City's ferry plans, community members believed there was a *prima facie* case for designating the Coney Island Creek as a Superfund site based on the area's industrial land use, manufacturing history and legacy contaminants present in the waterway. We expect that a proper site assessment, even if just a pre-CERCLA screening of existing conditions and potential releases, will provide your agency with the justification necessary to extend Federal authority to protect us from the City's proposal and advance the community's long-term environmental remediation goals for the creek.

Superstorm Sandy showed us how the creek has the potential to impact the community as a wide-reaching flood ingress point which impedes areawide evacuation efforts and severs wholesale populations from safer, upland refuge. Between the presence of legacy contaminants, regular discharges, the ordinary and growing coastal flooding events and now the City's proposal to disrupt the creek periodically with spot dredging while growing a transient population of travelers who would visit and use the site, surely taken together this suggests an urgent need for your agency to immediately undertake a Superfund site assessment of the Coney Island Creek?

It is hoped that you will determine that the Coney Island Creek is an eligible candidate for nomination to the Environmental Protection Agency's National Priorities List so it may become a Federally-designated Superfund cleanup site. Then, under Federal authority we might finally see the development of a full remedial action plan. A plan that would clean the waterway of prior industrial uses *(under Federal CERCLA)* and end the discharge of untreated sewage, stormwater and floatables *(under Federal CWA)* all while reducing the impacts of coastal storm damages and making us a more resilient community.

Thank you for your attention and consideration. I look forward to hearing from you.

Sincerely,

Craig Hammerman
200 Brighton 15th St Apt 5H
Brooklyn, NY 11235-5833

craighammerman@gmail.com

cc: Hon. Andrew Cuomo
Hon. Bill de Blasio
Hon. Eric Adams
Hon. Hakeem Jeffries
Hon. Max Rose
Hon. Mark Treyger
Regional Administrator Peter D. Lopez, US EPA/Region 2
Brooklyn Community Board 13

Coney Island Creek

Kings County

Brooklyn, NY 11224

Inquiry Number: 6024747.8

March 27, 2020

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

03/27/20

Site Name:

Coney Island Creek
Kings County
Brooklyn, NY 11224
EDR Inquiry # 6024747.8

Client Name:

Weston Solutions, Inc.
205 Campus Drive
Edison, NJ 08837
Contact: Scott Snyder

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	Scale	Details	Source
2017	1"=500'	Flight Year: 2017	USDA/NAIP
2013	1"=500'	Flight Year: 2013	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
1995	1"=500'	Flight Date: March 13, 1995	USGS
1994	1"=500'	Acquisition Date: April 04, 1994	USGS/DOQQ
1984	1"=500'	Flight Date: March 26, 1984	USDA
1976	1"=500'	Flight Date: October 29, 1976	USGS
1966	1"=500'	Flight Date: February 22, 1966	USGS
1961	1"=500'	Flight Date: April 12, 1961	EDR Proprietary Aerial Viewpoint
1954	1"=500'	Flight Date: February 18, 1954	USGS
1951	1"=500'	Flight Date: April 07, 1951	EDR Proprietary Aerial Viewpoint
1924	1"=500'	Flight Date: July 01, 1924	FAIR

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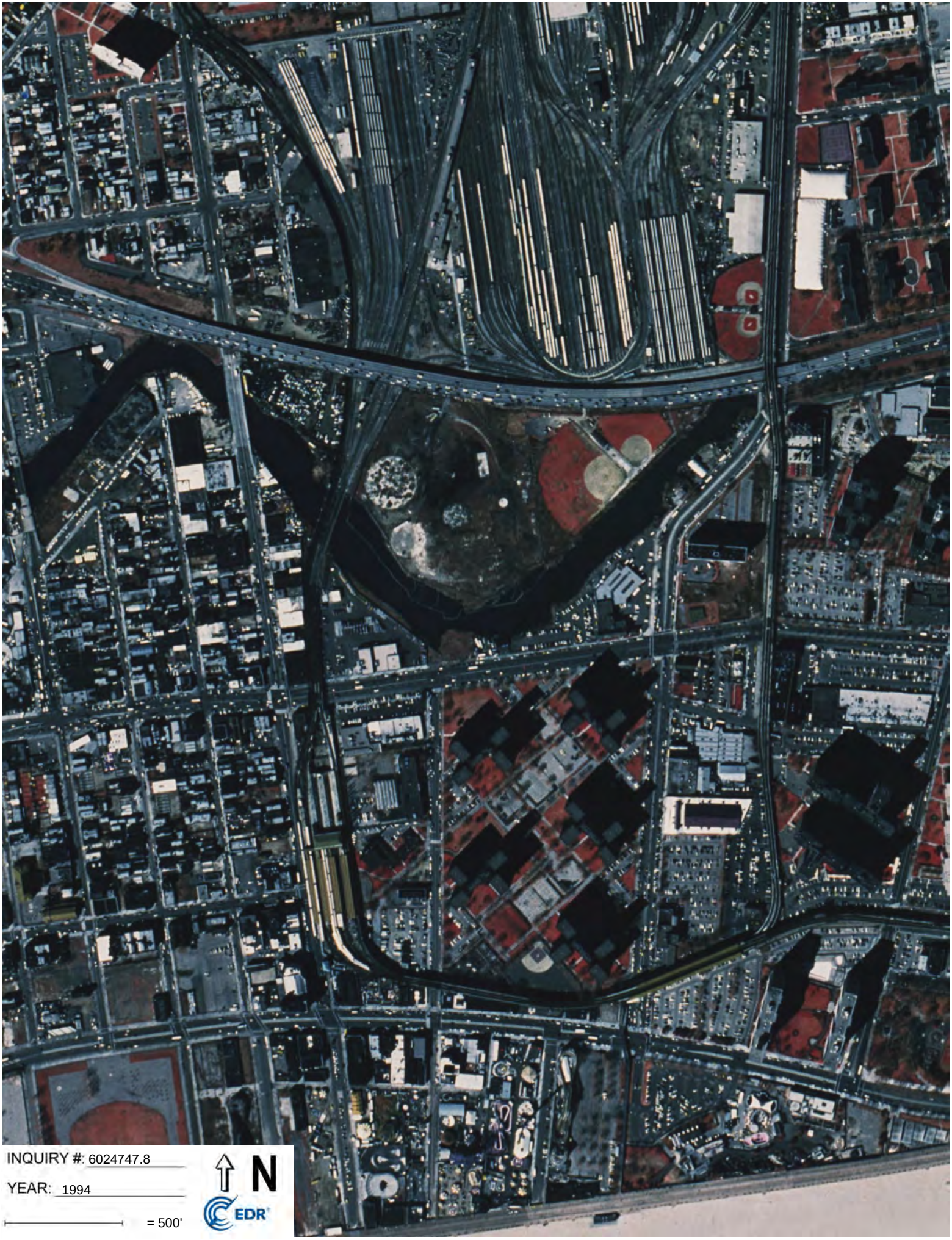

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YEAR: 1924

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The NYC Social Assessment: Understanding Waterfront Users
Coney Island Creek Waterfront Profile

Authors: Lindsey Strehlau-Howay, Brielle Manzolillo, Tatyana Graham, Christina Thomas, Lindsay Campbell, Michelle Johnson, Anne Toomey



Zone Names									
South Shore					North Shore				
Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6	Zone 7	Zone 8	Zone 9	Zone 10
Seagate	Coney Island Creek Park	Fishing Nook	Kaiser Park	West 23rd St. Community Garden	Eastern Natural Area	Home Depot Baseball Fields	Recreation	Fields	Western Natural Area

I. Waterfront Introduction

Coney Island Creek is a tidal creek located in the southwestern most part of Brooklyn, stretching 1.8 miles inland from its mouth at Gravesend Bay. Prior to the 1920s, the creek was three miles long, connecting Gravesend Bay and Sheepshead Bay, and separating Coney Island from the mainland (Immerso 2002). During the 1920s and 30s the eastern half of the creek was filled for highway and other development projects. Currently, the Coney Island Creek is an important body of water for ecological, social, and economic reasons. It contains more than 4 miles of waterfront, including sandy beach and tidal estuary ecosystems (NYCEDC 2016). Each year, countless birds migrate along the NYC coastline, and the brackish waters of the Coney Island Creek provide a welcome resting spot (Kensinger 2014; Rivel & Rosenheim 2016). The creek is also home to many species of marine life, including blue crab, bass, mullet, and mussels, which attract fishers and nature lovers alike (Kadinsky 2016).

The creek is lined by a mix of parks, capped landfills, industrial waterfront, and residential neighborhoods. The easternmost portion of the creek begins where Shell Road intersects with the Belt Parkway. Also along the eastern section of the creek are several warehouses, a remediated brownfield site, and an active combined sewer outfall, which results in raw sewage and stormwater bypassing treatment plants and overflowing directly into the creek during storms (NYCEDC 2016). The regular influx of sewage into the creek leads to nutrient loading and coastal eutrophication, where low oxygen zones limit the abundance and distributions of marine species, and can adversely affect the health of humans who consume fish and other aquatic life caught in these areas (HEP 2012; McPhearson et al. 2013).

Parks and other green space line most of the western half of the creek, including Six Diamonds Park and Calvert Vaux Park on the northern shore, and Kaiser Park and Coney Island Creek Park on the southern shore. These parks support a multitude of official recreational and leisure activities, including sports, walking, biking, fishing (for sport), and picnicking (Auyeung et al. 2016). Unofficially, the lands surrounding the creek provide campment areas for homeless individuals, and the marine life in the creek is caught or trapped for sustenance (Kensinger 2014). The sandy mouth of the creek is also a frequent location for bathers, and religious activities (e.g. baptisms, ceremonies) have also been reported to occur in this area.

In 2013, the storm surge from Hurricane Sandy caused the creek to flood and eroded some of the sandy beach in the Seagate area (at the mouth of the creek) (Kensinger 2017). To address future potential flooding and erosion, the New York City Economic Development Corporation conducted a resiliency study of Coney Island Creek, which resulted in several proposals for flood mitigation (NYCEDC 2016). One of these proposals included the insertion of a tidal barrier, which was widely challenged by local community members due to concerns that the barrier would exacerbate existing pollution problems (REF). Previous studies have indicated the water quality of the creek to be among the worst in the city, with fecal coliform counts deeming the water unsafe for most water-related activities (NYCDEP 2017; Mccann 2019). It was due to the high level of pollution that the Department of Environmental Conservation initially denied a permit sought by the Billion Oyster Project (BOP) to install a community

oyster reef in the creek, based on concerns that the oysters could be inadvertently consumed and lead to sickness (Mccann 2019). Members of the community organized in support of the permit, and in July of 2018, the BOP installed a community reef off the Kaiser Park fishing pier (Zone 4 in Figure 1).

The research described below demonstrates the wide array of activities that people engaged in along the Coney Island Creek. Findings suggest that in spite of the creek's reputation as being one of the most polluted water bodies in the city, many local users of the creek do not share the perception that the water is dirty. Several of our interviewees reported feeling safe eating fish from the creek, and a minority indicated that they would swim in the water. This raises interesting questions with regard to how polluted urban waterways are perceived by local communities, especially if these water bodies support activities that they deem important to their well-being.



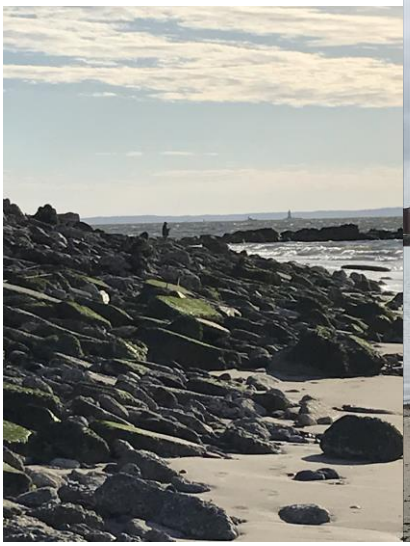
Coney Island Creek from Western Natural Area



Soccer Fields in Recreation Zone



Beachfront fishing in Seagate



Rocky Shore in Seagate



Fishing Pier in Fishing Nook



Ship remains in Western Natural Area



Sand dune fences in Coney Island Creek Park



Coney Island Creek from Eastern Natural Area



Recreation courts in Kaiser Park



Garden plots and building in West 23rd Garden



Sand dune and creek in Fishing Nook



Waterfront path in Kaiser Park



Beachfront in Eastern Natural Area



Informal path in Coney Island Creek Park



Baseball field being used for dog in Rec. Zone



Baseball field in Home Depot Baseball Fields



Picnic area in Eastern Natural Area



Encampment in back of West 23rd Garden



Rocky shore in Western Natural Area



Beach and wildlife in Fishing Nook



Paved path in Western Natural Area

(Photographs By Lindsey Strehlau-Howay)

II. Research Questions and Methods

We explored the following questions:

1) What uses, values, and meanings are associated with the Coney Island Creek waterfront?
2) To what extent are local users aware of the ecological conditions of the Coney Island Creek?
3) To what extent do local users engage in stewardship activities associated with the Coney Island Creek?

This waterfront study was adapted from the existing methodology for studying the use, value, and meaning of parks and natural areas created by the USDA Forest Service, NYC Parks, and the Natural Areas Conservancy (Auyeung et al. 2016). Social and site data were collected in order to understand how urban waterfront users engage with Coney Island Creek. Primary means of understanding were direct observations of human actions, observations of signs of human use, and assessment of language and narrative conveyed through interviews with waterfront users.

Data collection was carried out between October and December in 2018 by four field researchers. Pairs were always used in order to enhance reliability through corroboration and to provide greater richness of daily debriefs and qualitative field notes. In addition to paired debriefs, full team debriefs were conducted at the end of each day in order to gather overall impressions, observations, and questions about sites as a whole. An end-of-season debrief was held with the full team.

We triangulated three data collection approaches: *direct observations of human activities*, *observations of signs of human use*, and *interviews with waterfront users*. Human activities were grouped functionally by type (e.g. sitting, socializing, bicycling, exercise, nature recreation). Field observation protocols (Appendix A-D) guided a mix of structured, quantitative counts; qualitative field notes; and photographic documentation.

The *direct human observation protocol* (Appendix A) was implemented throughout the study area, which was subdivided into zones according to park boundaries, management practices, uses, infrastructure, and cover type (see map). The prior protocol was modified to include a broader range of specific waterfront activities. Pairs implemented the protocol, taking photographs and logging observations of waterfront users and signs of human use, with debriefs conducted at the completion of a zone and at the end of a day of fieldwork. Research crews covered all terrain that was navigable without extensive bushwhacking, following all established trails and desire lines within each park site before moving onto another site. Crews were instructed to complete zones in a single day (i.e., not to split zones across visits). Type of activity and level of sociability (individual, pair, small group, large group) were recorded for all people observed in a particular zone. A total of 1921 observations were made through this protocol.

Observations of signs of human use (Appendix B) were collected through attention to the following key areas: signs of activity; signs of neglect, decay, or damage; signs of environmental stewardship; and

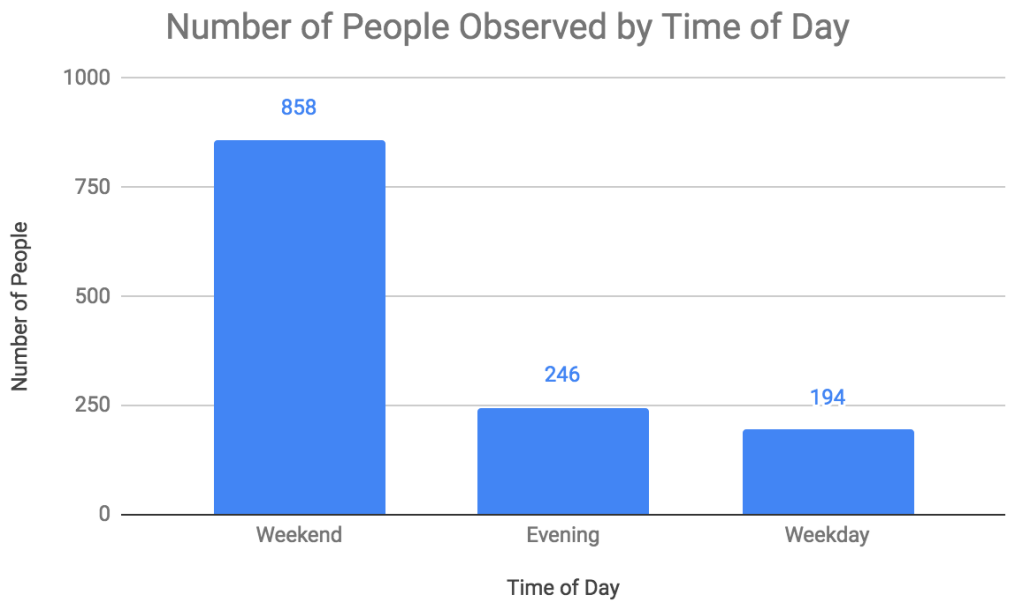
signage, writing, and art. In other words, these signs are part of the traces that people leave behind in waterfront parks, offering important clues and insights into the use and value of a particular area. Photos of key signs (as indicated with the camera symbol on the forms) were also collected. Field researchers observed 451 signs of human use and captured 716 images through photographic documentation.

Finally, the *interview protocol* (Appendix C) was implemented throughout the study area. The prior protocol for park users was modified to gather additional data about waterfront use and perceptions of waterways. Minors under the age of 18 were excluded from interviews and not approached. Researchers selected any waterfront user encountered and approached them for a rapid interview, unless they were overly occupied (i.e. playing sports, talking on a phone) or if the situation deemed too uncomfortable (i.e. approaching homeless individuals around a camp). This technique was used due to the limited number of people found in each zone. Interviews were voluntary and remained anonymous. This included 49 in-place interviews with waterfront users. Of the interviewees, 73% were male and 27% were female. 69% of participants fell in the age range of 18-65. 31% were over the age of 65. Research teams found that language was a barrier when conducting interviews, with some park visitors only speaking what was observed as possibly Russian, Chinese and Spanish languages.

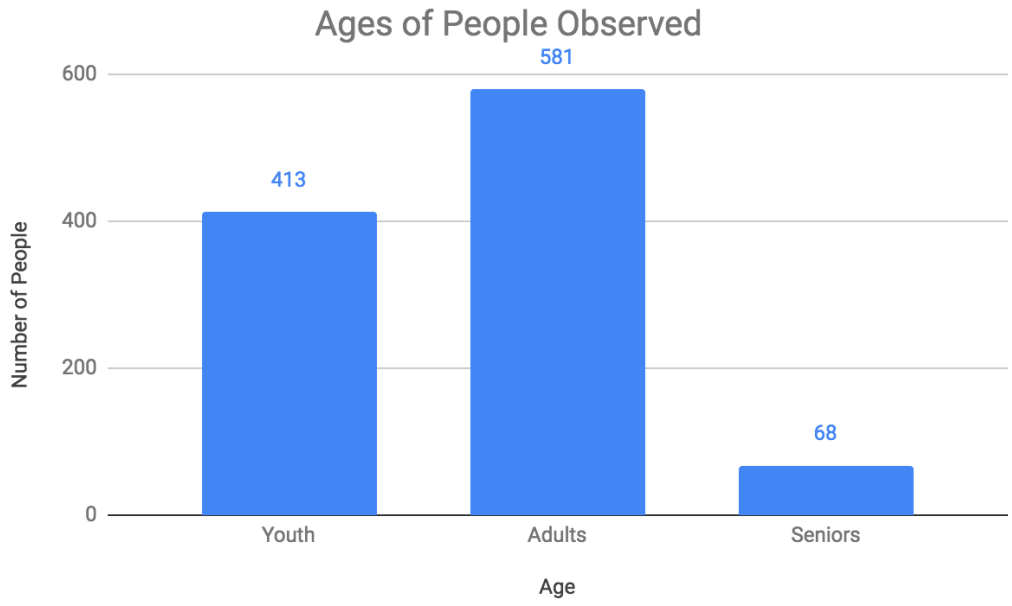
III. Waterfront Observations

When did we see people in the waterfront?

People were counted throughout the park during weekday, evening, and weekend visits. Tides had a large influence on when people and wildlife would be present in certain zones, particularly the ones containing beaches and natural or nature-based shorelines. We would learn through visiting how low tides would open up more shore to walk around and enjoy, expose large beds of ribbed mussels, influence when and what type of fish would be present for fishermen, and create access to areas otherwise blocked with water.

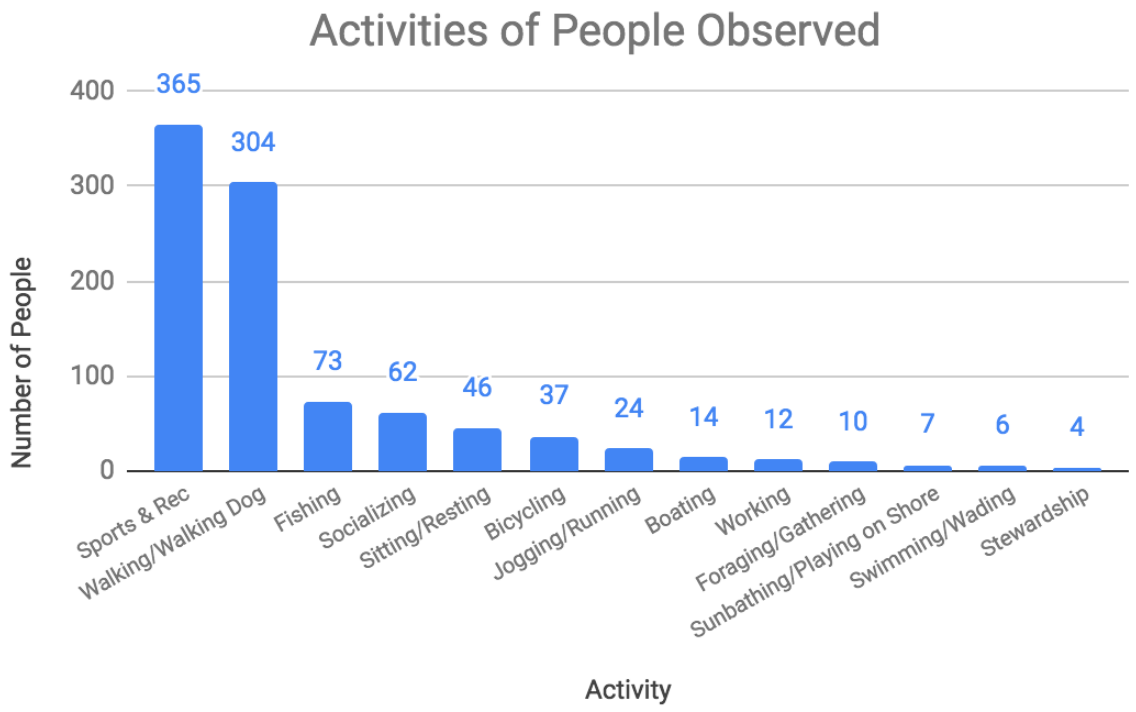

Number of People Observed by Time of Day
1000
750
500
250
0
Number of People
858
246
194
Weekend
Evening
Weekday
Time of Day

Who are they?


Ages of People Observed
600
400
200
0
Number of People
581
413
68
Youth
Adults
Seniors
Age

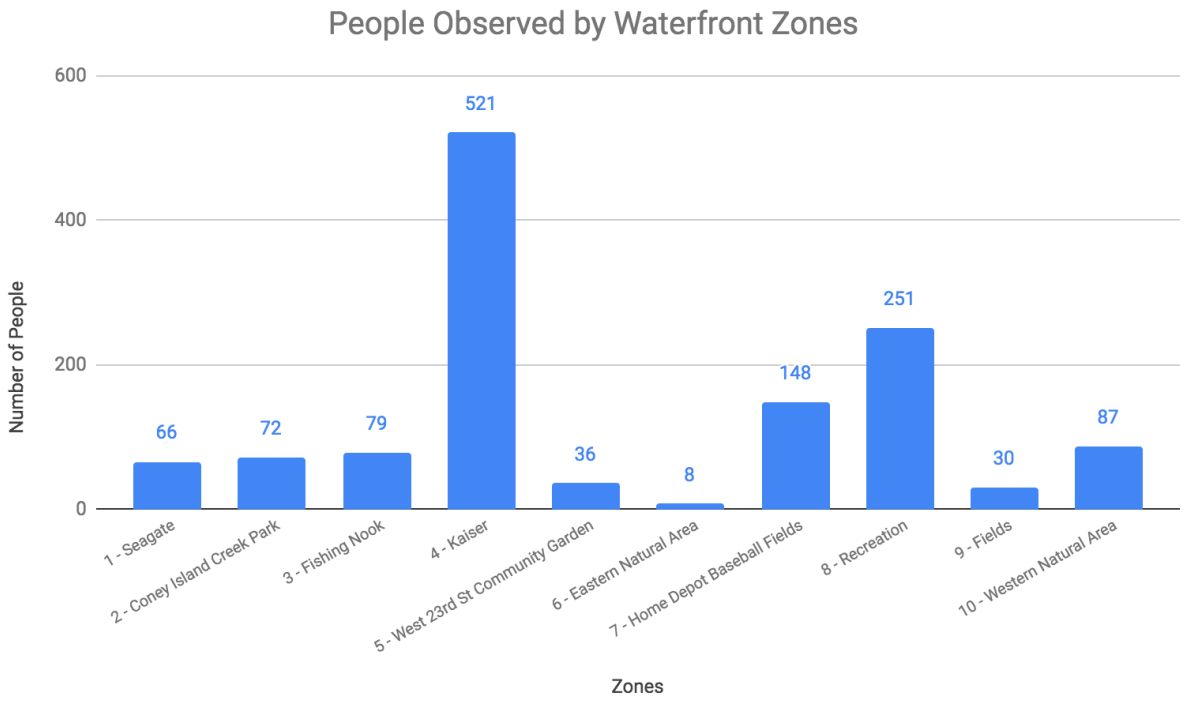
What are they doing?

The activities listed below represent categories of activities observed at Coney Island Creek. Some categories represent a singular activity observed, such as walking, bicycling, or fishing. Other categories represent an overall theme of the activity observed. For example, the majority (365) people were seen engaging in sports and recreation. This theme includes activities such as playing, free play in the park area or on playground equipment, or practicing for a sport. For the socializing category, people were observed sitting together on benches, meeting up to talk, or resting together on the grass.



Where did we observe them?

Seven out of the ten zones fall directly alongside Coney Island Creek. Both the Recreation and Fields zones are set inland behind the Western Natural Area zone on the north side of the creek. The third inland zone is the Home Depot Baseball Fields as it sits behind the Eastern Natural Area, again on the north side of the creek. Seagate, Coney Island Creek Park, Fishing Nook, Kaiser Park, and the West 23rd Community Garden are all on the south side of the creek and have direct access to the waterfront.



Detailed Counts

Activity: Counts of people observed in the waterfront interior by zone.

	Waterfront Zone										
Activity Observed	**1-Seagate**	**2-Coney Island Creek Park**	**3-Fishing Nook**	**4-Kaiser Park**	**5-West 23rd St. Community Garden**	**6-Eastern Natural Area**	**7-Home Depot Baseball fields**	**8-Recreation**	**9-Fields**	**10-Western Natural Areas**	**Total**
Sport & Recreation	1	0	1	186	0	0	128	49	0	0	**365**
Walking/Dog Walking	15	10	11	128	1	4	10	76	7	42	**304**
Other Activity	0	3	4	32	3	0	2	30	10	9	**93**
Fishing	15	27	15	1	9	0	0	2	0	4	**73**
Socializing in Place	2	8	10	17	4	0	0	16	2	3	**62**
Sitting/Resting/Standing/ Waiting/Keeping Watch	2	0	10	18	7	1	0	4	1	3	**46**
Bicycling	0	0	1	20	0	0	1	11	0	4	**37**
Jogging/Running	0	1	0	20	0	0	0	1	0	2	**24**
Boating - with engines or sails	1	4	5	2	0	0	0	0	0	0	**12**
Working	0	1	0	4	0	0	2	5	0	0	**12**
Plant Collection/Foraging/Gathering	0	1	2	0	0	1	0	5	0	1	**10**
Sunbathing/Free Play on Shore	7	0	0	0	0	0	0	0	0	0	**7**
Swimming/Wading/Water Play	6	0	0	0	0	0	0	0	0	0	**6**
Stewardship	0	0	0	0	3	0	0	0	0	1	**4**
Boating - nonpower	1	0	1	0	0	0	0	0	0	0	**2**
Educational Group/Tour	0	0	0	0	0	0	0	0	0	0	**0**
Nature Recreation	0	0	0	0	0	0	0	0	0	0	**0**
Crabbing	0	0	0	0	0	0	0	0	0	0	**0**
Total	**50**	**55**	**60**	**428**	**27**	**6**	**143**	**199**	**20**	**69**	**1057**

Activity: Counts of people observed in the waterfront by time of visit and age group.

	Time of Visit				Age Group			
Activity Observed	**Weekday (AM)**	**Evening (PM)**	**Weekend**	**Total**	**Youth**	**Adults**	**Seniors**	**Total**
Sport & Recreation	37	62	266	**365**	272	93	0	**365**
Walking/Dog Walking	47	58	199	**304**	89	177	38	**304**
Other Activity	12	23	58	**93**	3	89	1	**93**
Fishing	7	21	45	**73**	1	62	10	**73**
Socializing in Place	12	11	39	**62**	5	50	7	**62**
Sitting/Resting/Standing/ Waiting/Keeping Watch	12	3	31	**46**	4	41	1	**46**
Bicycling	7	5	25	**37**	16	17	4	**37**
Jogging/Running	1	9	14	**24**	17	7	0	**24**
Boating - with engines or sails	0	0	12	**12**	0	12	0	**12**
Working	5	1	6	**12**	0	11	1	**12**
Plant Collection/Foraging/Gathering	4	0	6	**10**	2	4	4	**10**
Sunbathing/Free Play on Shore	1	0	6	**7**	4	3	0	**7**
Swimming/Wading/Water Play	0	0	6	**6**	0	6	0	**6**
Stewardship	3	0	1	**4**	0	4	0	**4**
Boating - nonpower	0	0	2	**2**	0	2	1. 0	**2**
Educational Group/Tour	0	0	0	**0**	0	0	0	**0**
Nature Recreation	0	0	0	**0**	0	0	0	**0**
Crabbing	0	0	0	**0**	0	0	0	**0**
Total	**148**	**193**	**716**	**1057**	**413**	**578**	**66**	**1057**

Density Map of Fishing Activity per Zone

The darker color and increase in size of the circle indicate higher numbers of fishing activities. Zone 2, Coney Island Creek Park, has the highest number of observed fishing, while zone 4, Kaiser Park, has the least.



Signs of Activity Observed by Zone

Because you can't always see people "in the act" of interacting with the site, the assessment team documented signs of human use to capture traces of activities and practices that occur across different timeframes and over longer time horizons. We will miss the birders at dawn, or the slow erosion of grass under feet. So we look for traces, for signs of human use, for the imprint that waterfront users leave on the landscape. We note desire lines and well-worn trails. We document counter-narratives in the form of graffiti, hand-made signs, dumping, and vandalism. We note murals, gardens, impromptu seating, and temporary shelters. All of these signs are evidence that humans are ecosystem engineers, that our waterfronts are co-created by the Waterfronts Department, of course, but also by the broader public. *Crews were instructed to take note of any other noteworthy or unique observations that stood out to them in each waterfront. For the Coney Island Creek waterfront areas, other signs of activity noted included, for example, images of writing in the sandy beach, graffiti on slabs of concrete, and a memorial cross hung on a tree near the fishing pier.

	Zone										
Sign	**1-Seagate**	**2-Coney Island Creek Park**	**3-Fishing Nook**	**4-Kaiser Park**	**5-West 23rd St. Community Garden**	**6-Eastern Natural Area**	**7-Home Depot Baseball fields**	**8-Recreation**	**9-Fields**	**10-Western Natural Areas**	**Total**
Graffiti, Art, Murals	18	23	11	24	13	6	7	11	16	25	**154**
Signage, Flyers, & Stickers	0	4	3	24	1	0	3	19	9	5	**68**
Substantial Dumping/ Debris	11	8	1	2	7	9	2	6	1	2	**49**
Informal Trails	0	12	3	0	0	11	0	1	1	18	**46**
Fire pit	3	14	0	5	1	2	1	2	0	13	**41**
Informal/Improvised Sitting Places	0	6	2	0	12	2	1	0	0	5	**28**
Boats (Stationary or Tied)	0	0	1	1	4	10	0	0	0	2	**18**
Other	1	2	1	2	3	4	0	0	0	0	**13**
Encampment/Sleeping Area	0	0	0	2	1	5	1	0	0	1	**10**
Memorial/ Shrine/ Sacred Symbol	0	1	6	0	0	0	0	0	0	0	**7**
Damaged/ Vandalized Building or Property	1	0	0	1	0	3	0	2	0	0	**7**
Fishing (lines, hooks, nets, etc.	2	0	0	0	2	1	0	0	0	1	**6**
Bird Feeder/ Birdbath/ Bird box/ Bat box	0	0	0	0	0	2	0	0	0	0	**2**
Garden in Park	0	1	0	0	0	0	0	0	0	0	**1**
Crabbing, etc. (Clam digging, traps)	0	0	0	0	1	0	0	0	0	0	**1**
Total	**36**	**71**	**28**	**61**	**45**	**55**	**15**	**41**	**27**	**72**	**451**


Informal trail in Fields Zone


Encampment in W. Natural Area


Fire pit in W. Natural Area


Memorial in Fishing Nook


Broken fencing in Rec. Zone


Dumping in W. 23rd Garden


Graffiti in W. 23rd Garden


Sign in Kaiser Park


Garden in Coney Is. Creek Park


Cat feeding box in Eastern Natural Area


Boat on creek in Kaiser Park


Crabbing net left in Seagate


Fishing net left in W. 23rd Garden


Writing in sand in Seagate

(Photographs By Lindsey Strehlau-Howay)

Sociability Observed by Zone

Zone	Sociability				
	Dogs	Pair (2)	Small Group (3-10)	Large Group (10+)	Total
1-Seagate	3	4	7	0	**14**
2-Coney Island Creek Park	5	6	6	0	**17**
3-Fishing Nook	4	11	4	0	**19**
4-Kaiser Park	14	47	27	4	**92**
5-West 23rd St. Community Garden	0	5	2	0	**7**
6-Eastern Natural Areas	2	0	0	0	**2**
7-Home Depot Baseball Fields	2	2	0	1	**5**
8-Recreation	16	20	15	1	**52**
9-Fields	4	4	2	0	**10**
10-Western Natural Areas	3	12	3	0	**18**
Total	**53**	**111**	**66**	**6**	**236**

Resident Encounter	Waterfront Zone										
	1-Seagate	2-Coney Island Creek Park	3-Fishing Nook	4-Kaiser Park	5-West 23rd St. Community Garden	6-Eastern Natural Area	7-Home Depot Baseball fields	8-Recreation	9-Fields	10-Western Natural Areas	Total
Positive Encounter with Resident	1	0	0	0	0	0	0	0	0	0	**1**
Negative Encounter with Resident	1	0	0	1	2	0	0	0	0	0	**4**
Total	**2**	**0**	**0**	**1**	**2**	**0**	**0**	**0**	**0**	**0**	**5**

IV. Interviews with Waterfront Users

The next section presents the results of open-ended interview questions with waterfront users. Respondents could answer in any way that they chose and these responses were later coded for emergent themes by researchers. The tables present a summary of the rank-order of the occurrence of these themes among all the interviewees in the waterfront, which are then explained in the text. The percentages may total to more than 100% because respondents often identified with multiple themes.

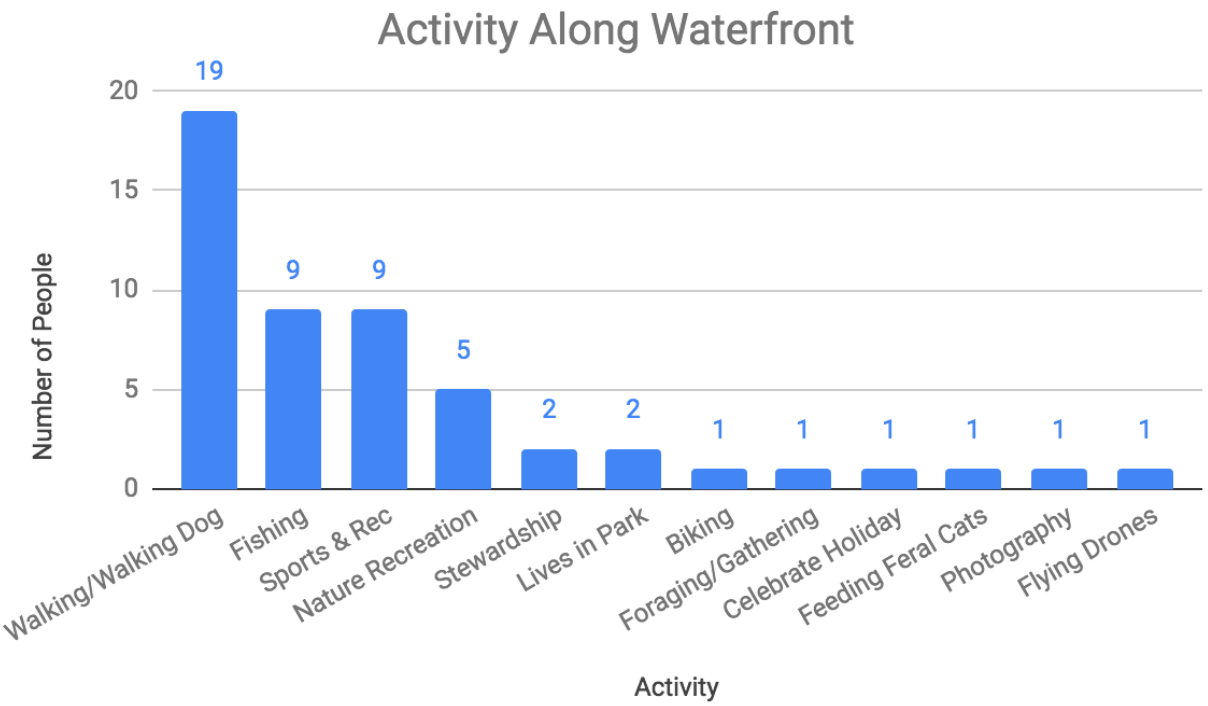
Forty-nine participants were interviewed in the Coney Island Creek waterfront areas, of which 73% were male and 27% were female. 69% of participants fell in the age range of 18-65. 31% were over the age of 65. Research teams found that language was a barrier when conducting interviews, with some park visitors only speaking what was observed as possibly Russian, Chinese and Spanish languages. All but one of the foragers approached for an interview declined due to difficulty in speaking English. It is notable that even though there was a recognizable diversity in language, all but one sign/notice were posted in English. The one sign, seen below, is located in the Western Natural Area and written in both English and Russian.



Q.1 What are you doing along this waterfront today?

The majority (36.5%) of respondents answered that they were in the park to walk. 17.3% of respondents were in the area to fish. 9.6% were doing nature recreation activities. These included answers such as sitting by the waterfront, watching birds, or enjoying the weather. Two respondents who answered that they were doing activities such as cleaning up trash and cleaning up a community garden area are categorized under stewardship. The one person who stated they were celebrating a holiday was observing Halloween by coming to the park with a few friends.

Activity Along Waterfront		
ACTIVITY	**COUNT**	**% OF RESPONDENTS**
Walking/Walking Dog	19	36.5%
Fishing	9	17.3%
Sports & Rec	9	17.3%
Nature Recreation	5	9.6%
Stewardship	2	3.8%
Lives in Park	2	3.8%
Biking	1	1.9%
Foraging/Gathering	1	1.9%
Celebrate Holiday	1	1.9%
Feeding Feral Cats	1	1.9%
Photography	1	1.9%
Flying Drones	1	1.9%
Total Responses	**52**	**100.0%**


Activity Along Waterfront
Number of People
20
15
10
5
0
19
9
9
5
2
2
1
1
1
1
1
1
Walking/Walking Dog
Fishing
Sports & Rec
Nature Recreation
Stewardship
Lives in Park
Biking
Foraging/Gathering
Celebrate Holiday
Feeding Feral Cats
Photography
Flying Drones
Activity

Q.2 Why do you choose to come here?

The majority of participants (30.5%) said that the reason they came to the Coney Island Creek waterfront areas was due to the peacefulness, beach and wildlife in the area that attracted them. One person mentioned how the creek is a beautiful place to take pictures of wildlife, while another stated it felt like the country. Others (28.8%) gave reasons that it was because of the proximity to their home or close drive from a school. 8.5% said that fishing was the main reason they came to these particular waterfront areas, stating it has better fishing and this is where the fish are.

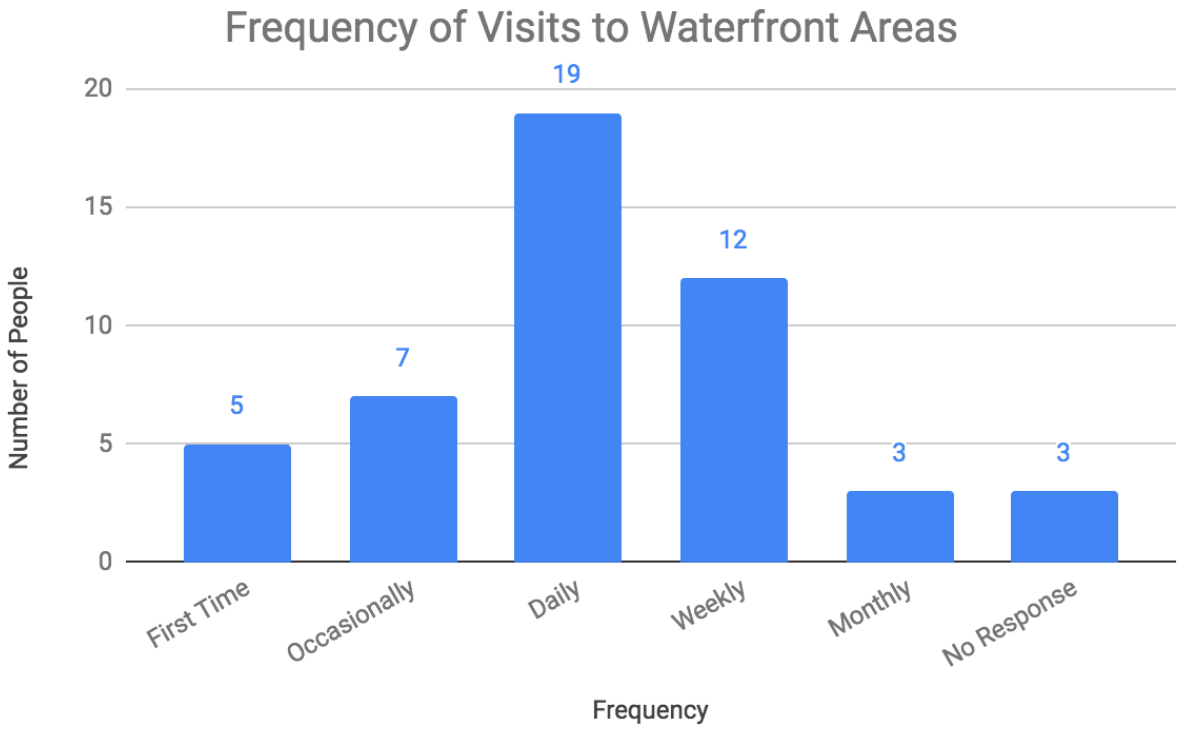
Reasons for Visiting Waterfront Areas		
REASON	**COUNT**	**% OF RESPONDENTS**
Peaceful/Nature Rec	18	30.5%
Proximity	17	28.8%
Sports & Rec	7	11.9%
Fishing	5	8.5%
Socialization	3	5.1%
Walking/Walking Dog	2	3.4%
No Response	2	3.4%
Safe	2	3.4%
Large Park Size	2	3.4%
Biking	1	1.7%
Total Responses	**59**	**100.0%**



Q.3 How often do you visit the waterfront?

Most participants who visit the waterfront do so on a daily (38.78%) or weekly basis (24.49%). Only 3 respondents said they come monthly. Reasons why they come to the waterfront and how often they come to the waterfront could be explored to see if there is a connection.

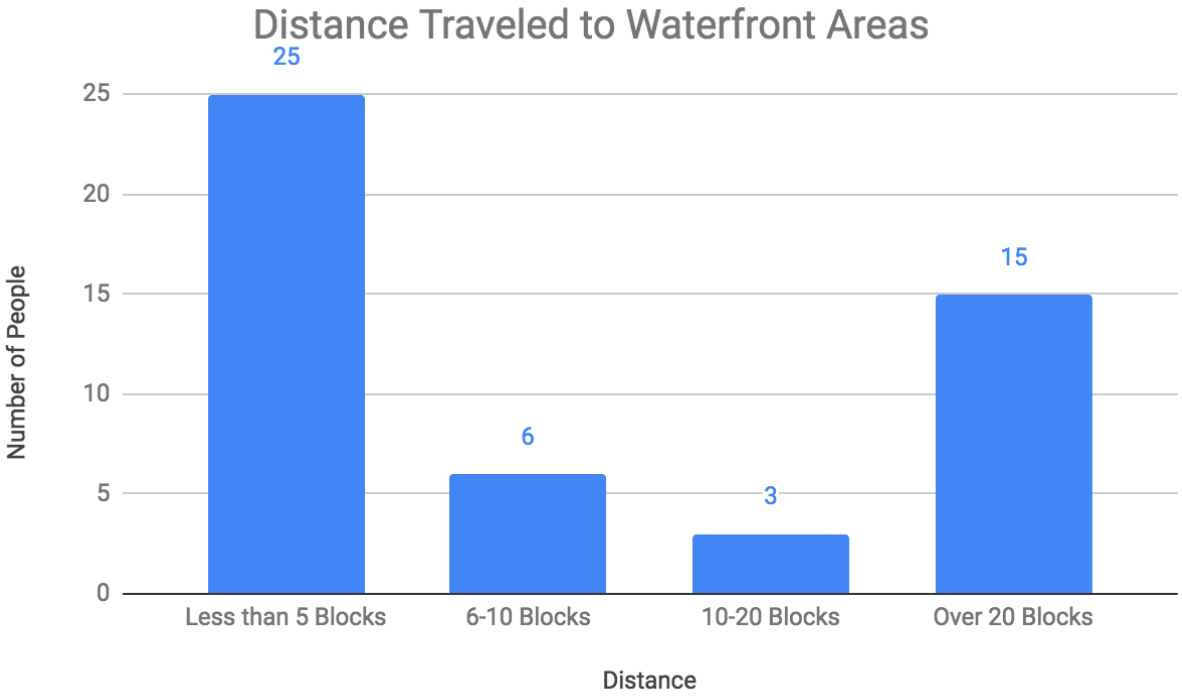
Frequency of Visits to Waterfront Areas		
FREQUENCY	**COUNT**	**% OF RESPONDENTS**
First Time	5	10.20%
Occasionally	7	14.29%
Daily	19	38.78%
Weekly	12	24.49%
Monthly	3	6.12%
No Response	3	6.12%
Total Respondents	**49**	**100.0%**



Q4. How far did you travel to get here?

The majority (51.02%) of participants traveled less than 5 blocks to get to the Coney Island Creek waterfront areas. However, 30.61% stated that they traveled more than 20 blocks to reach the area.

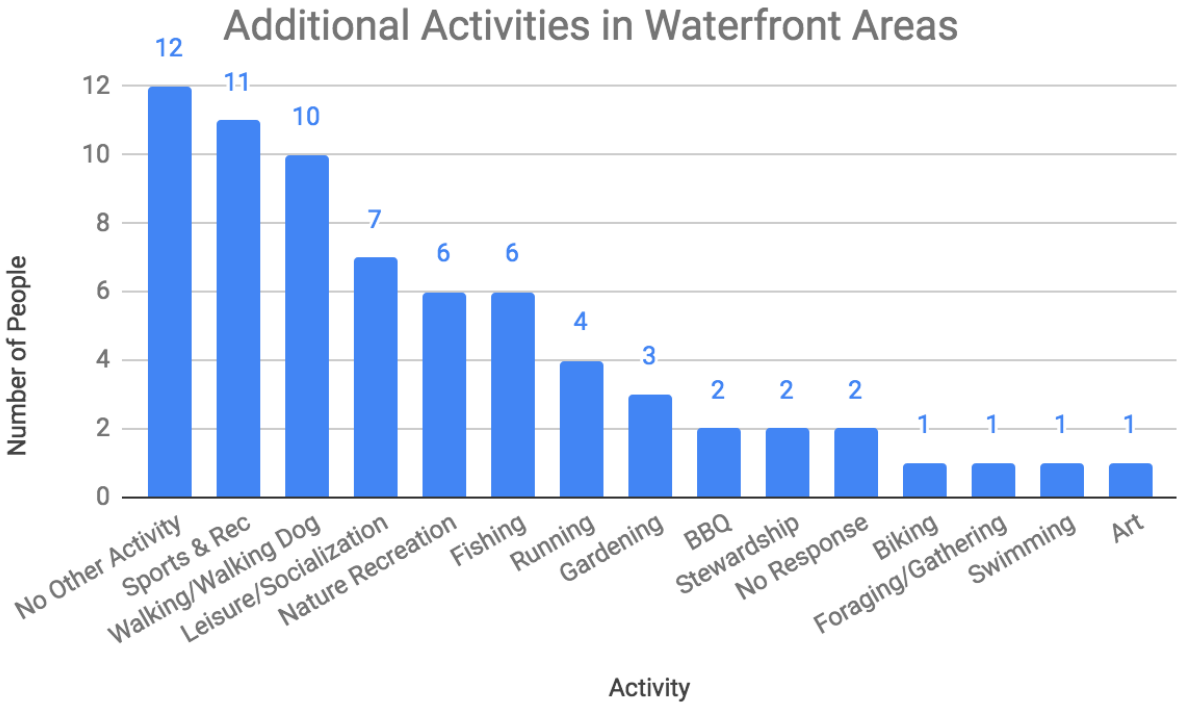
Distance Traveled to Waterfront Areas		
DISTANCE	**COUNT**	**% OF RESPONDENTS**
Less than 5 Blocks	25	51.02%
6-10 Blocks	6	12.24%
10-20 Blocks	3	6.12%
Over 20 Blocks	15	30.61%
Total Respondents	**49**	**100.0%**


Distance Traveled to Waterfront Areas
25
25
20
15
10
5
0
Number of People
25
6
3
15
Less than 5 Blocks
6-10 Blocks
10-20 Blocks
Over 20 Blocks
Distance

Q.5 What other types of activities do you like to do in this area? (i.e. fishing, boating, etc.?)

Participants listed many activities they enjoy doing in the park. The majority (17.4%) stated they did not participate in additional activities in the area beyond their current one. Others (15.9%) enjoyed sports and recreation in the park. This included activities such as handball, watching/coaching/playing soccer, and playing on the playgrounds. 10.1% of people said they enjoyed leisure activities or socializing in the park. This included answers such as relaxing, sitting down, hanging out, or killing time. Some participants (8.7%) had nature recreation related answers. This included answers such as: walking to the waterfront, watching the water, or watching the boats go by on the water. The participant who engaged in art liked to draw and write poetry in the area, while the foraging/gathering activity was centered around finding medicinal plants for tea. The two stewardship activities included participating in a food drive and cleaning up trash.

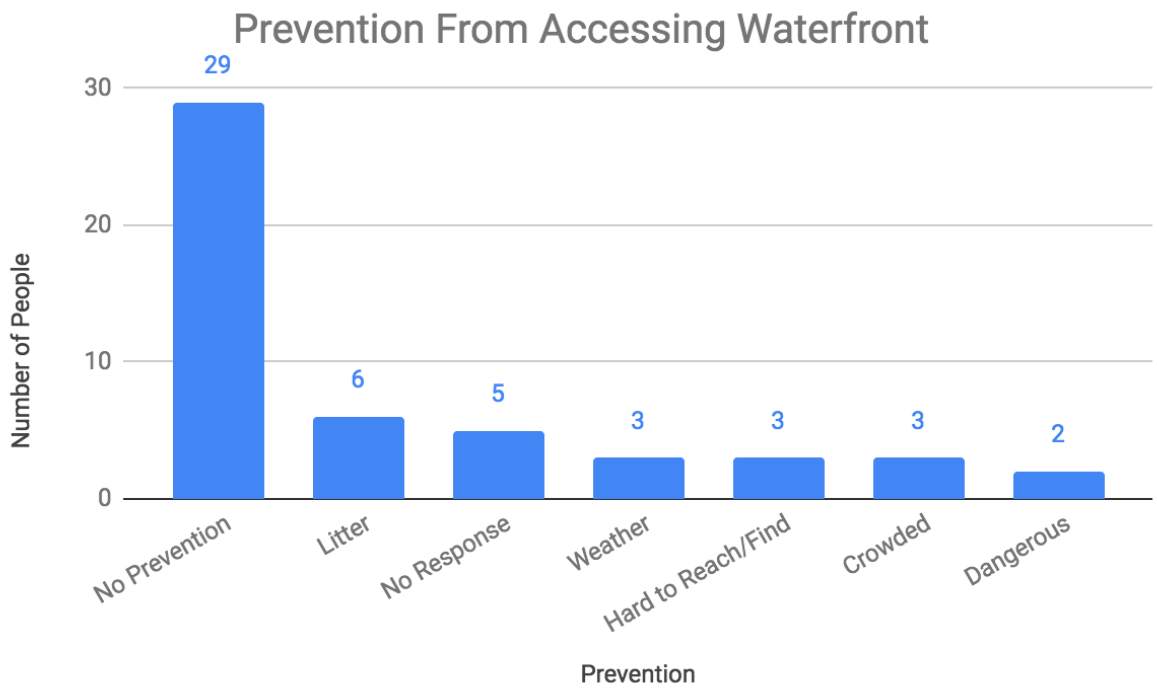
Additional Activities in Waterfront Areas		
ACTIVITY	**COUNT**	**% OF RESPONSES**
No Other Activity	12	17.4%
Sports & Rec	11	15.9%
Walking/Walking Dog	10	14.5%
Leisure/Socialization	7	10.1%
Nature Recreation	6	8.7%
Fishing	6	8.7%
Running	4	5.8%
Gardening	3	4.3%
BBQ	2	2.9%
Stewardship	2	2.9%
No Response	2	2.9%
Biking	1	1.4%
Foraging/Gathering	1	1.4%
Swimming	1	1.4%
Art	1	1.4%
Total Responses	**69**	**100.0%**



Q.6 Is there anything preventing you from accessing this waterfront?

The majority (56.9%) of participants stated that there was nothing that prevented them from accessing the waterfront. However, 11.8% did say that the amount of dumping, litter, and overall cleanliness in the area did prevent them from getting to the waterfront. A few participants (5.9%) also stated that physically getting to the waterfront was difficult. One person in Kaiser Park said that they got lost trying to find it, while another said the paths are not as easy to walk through. People in the Recreation zone mentioned that there is no access to the waterfront by car and they wished that they could drive up to it. Others (5.9%) mentioned that the area gets crowded during events or on the weekends when members of a helicopter flying group come out to use the park, while another spoke about open fires at a picnic area by the water and how it is dangerous with kids sometimes in the area.

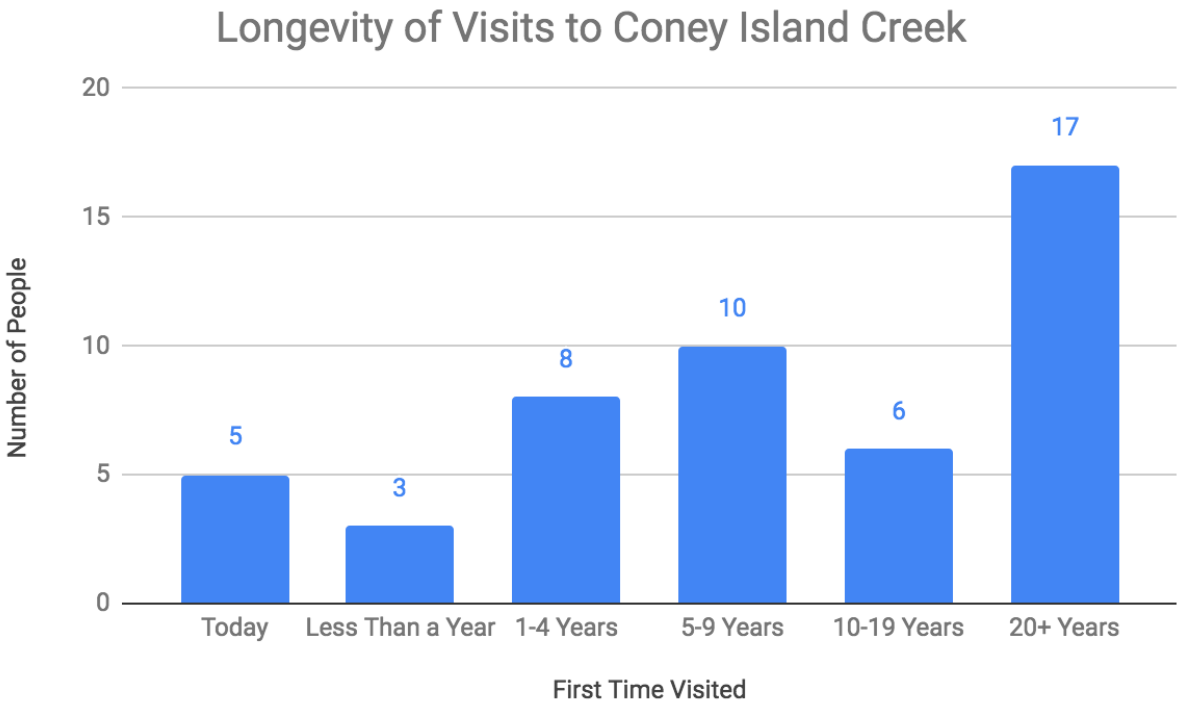
Prevention From Accessing Waterfront		
PREVENTION	**COUNT**	**% OF RESPONDENTS**
No Prevention	29	56.9%
Litter	6	11.8%
No Response	5	9.8%
Weather	3	5.9%
Hard to Reach/Find	3	5.9%
Crowded	3	5.9%
Dangerous	2	3.9%
Total Responses	**51**	**100.0%**



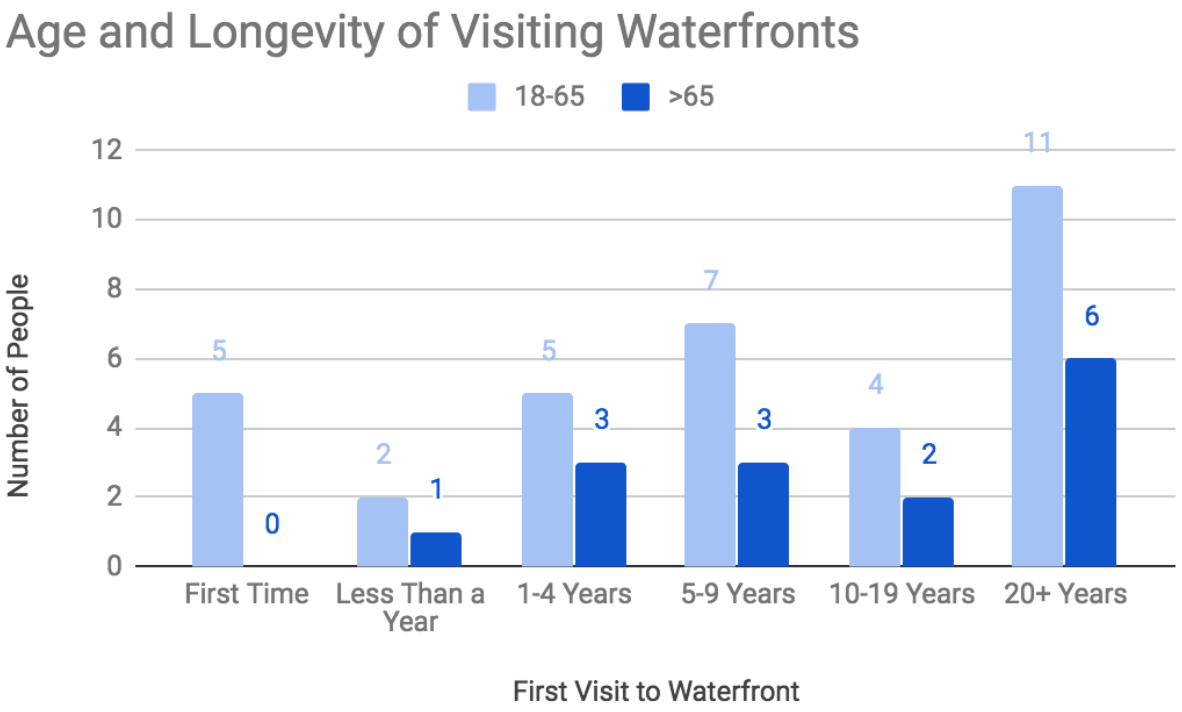
Q.7 When was the first time you came here? (year, or month if in the last year)

The majority of our participants (34.7%) have been coming to the park for over 20 years. Only 6.1% of people have started coming within the last year and 10.2% stated it was their first time at the park. Within the 20+ years group, many participants mentioned they had been coming to the waterfront for 30-40 years. Participants in all groups often described a historical benchmark associated with when they first came to the area, stating when their son first started playing baseball, before they fixed the park, or when the park opened. While some who had been coming to the site for many years, were in a new part of the waterfront for the first time. One participant in the Recreation zone stated that they did not know how wild it was in the back, referring to the Western Natural Area.

Longevity of Visits to Coney Island Creek Park		
FIRST TIME VISITED	**COUNT**	**% OF RESPONDENTS**
Today	5	10.2%
Less Than a Year	3	6.1%
1-4 Years	8	16.3%
5-9 Years	10	20.4%
10-19 Years	6	12.2%
20+ Years	17	34.7%
Total Respondents	**49**	**100.0%**



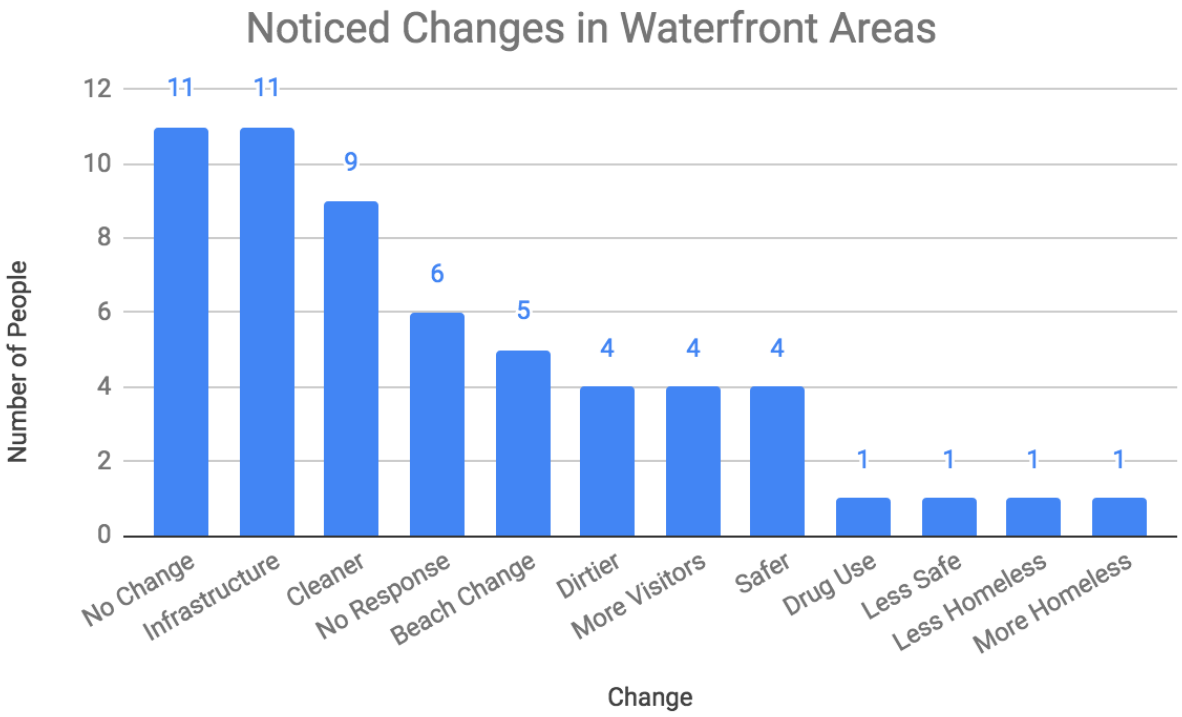
Looking further into place attachment, we compared people's ages to the time frame when they first visited the waterfront area. Ages older than 65 had somewhat even numbers across the less than a year, 1-4 years, 5-9 years, and 10 to 19 years categories. The highest concentration was found in the 20+ years (n=6). The 18-65 age range also had the highest concentration of people visiting 20+ years (n=11) showing great place attachment. However, this age group also shows an almost steady decline in the subsequent year groupings.



Q.8 Have you noticed any changes since then? If so, what? (i.e. usage, development, access, pollution, wildlife, etc.)

The majority (70.6%) of participants said that Coney Island Creek has changed in some way over time. Participants (15.5%) said that the park is cleaner than it used to be, some saying that there is less dumping than there was in the past. However, 6.9% of participants said that the park was dirtier than it used to be, stating that there is actually more dumping now as compared to in the past. One participant also mentioned that the number of homeless in the park has gone up. More drug use and safety concerns were also stated as being more prevalent. Participants (19.0%) also mentioned how the park has been developed over time and has added new infrastructure, such as the playground, bathrooms, and new soccer fields. Six people (10.3%) did not respond to the question. After interviews, people would often continue to talk about the waterfront and it is notable that participants mentioned safety and cleanliness in terms of cars speeding through parking lots, lack of lights in certain areas, feeling safe watching soccer games late at night, and how certain bathrooms are kept locked so people end up going outside. Others spoke about the future of the park and what they would like to see happen, such as a beach with dog access, water improvement, or how there is limited grass space for their children to play or walk and that they would like more grass that is not deemed recreation or drone occupied. While one participant wanted nothing to change since they love the wildlife and natural areas, saying please "don't tell people about the park" in hopes that we won't get more people to come and ruin the area.

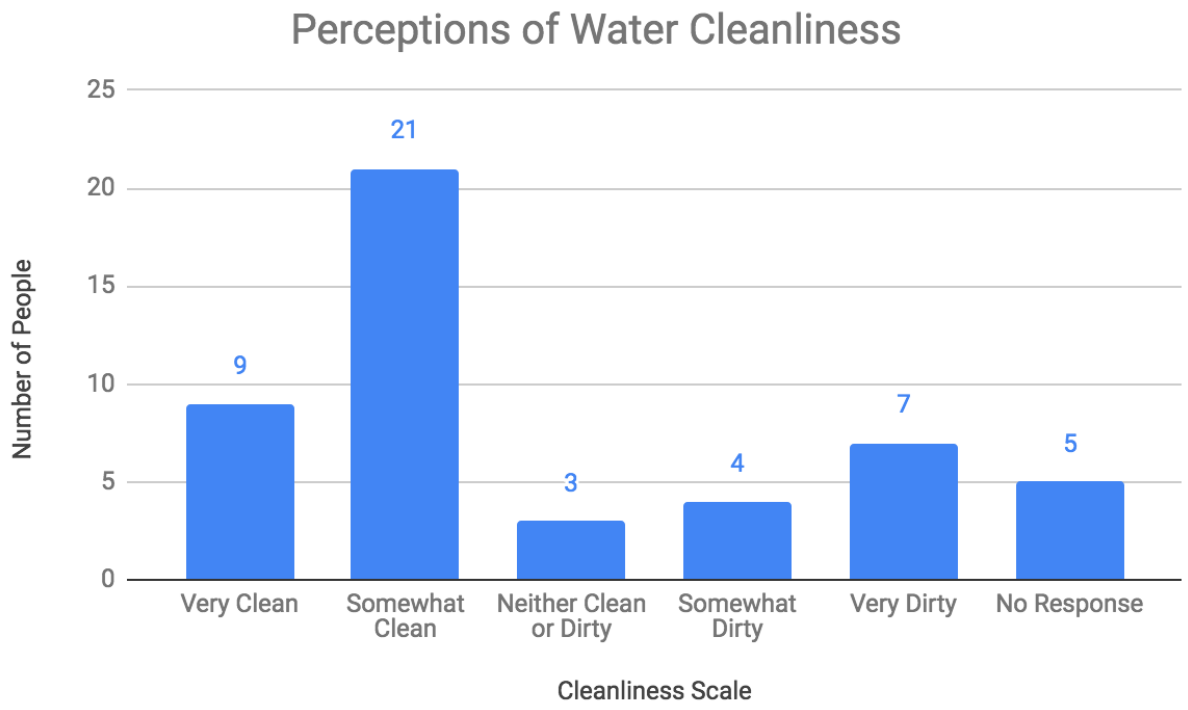
Noticed Changes in Waterfront Areas		
CHANGE	**COUNT**	**% OF RESPONDENTS**
No Change	11	19.0%
Infrastructure	11	19.0%
Cleaner	9	15.5%
No Response	6	10.3%
Beach Change	5	8.6%
Dirtier	4	6.9%
More Visitors	4	6.9%
Safer	4	6.9%
Drug Use	1	1.7%
Less Safe	1	1.7%
Less Homeless	1	1.7%
More Homeless	1	1.7%
Total Responses	**58**	**100.0%**



Q.9 Based on the following scale, how clean do you think the water is? (very clean, somewhat clean, neither clean or dirty, somewhat dirty, very dirty)

The majority of participants (61.3%) stated that the park was “somewhat clean” or “very clean”. 22.5% stated that it was “somewhat dirty” or “very dirty”. People who stated that the park was dirty mentioned litter and dumping as a reason. One person mentioned the number of rats and raccoons that were in the area, while another talked about seeing people litter in the water and citing this as a reason for not entering the water. A participant also mentioned that the cleanliness level changed depending on if the tide was low or high, saying that at high tide the water was dirtier. This interpretation could partly be due to debris being constantly washed ashore at high tide or since there is less beach available at high tide, it highlights the impact of the litter more significantly than at low tide. Issues with how people were interpreting the question also came to light as some did not specify solely the creek or creek area within a zone and so may have been addressing NY waterways as a whole. Some interpretations were how the water looks clean, but there is a lot of dirty stuff around it or how they would simply not trust any water in New York, while others mentioned water quality in comparison to other waterfronts in other countries, such as Russia.

Perceptions of Water Cleanliness		
CLEANLINESS SCALE	**COUNT**	**% OF RESPONDENTS**
Very Clean	9	18.4%
Somewhat Clean	21	42.9%
Neither Clean or Dirty	3	6.1%
Somewhat Dirty	4	8.2%
Very Dirty	7	14.3%
No Response	5	10.2%
Total Respondents	**49**	**100.0%**



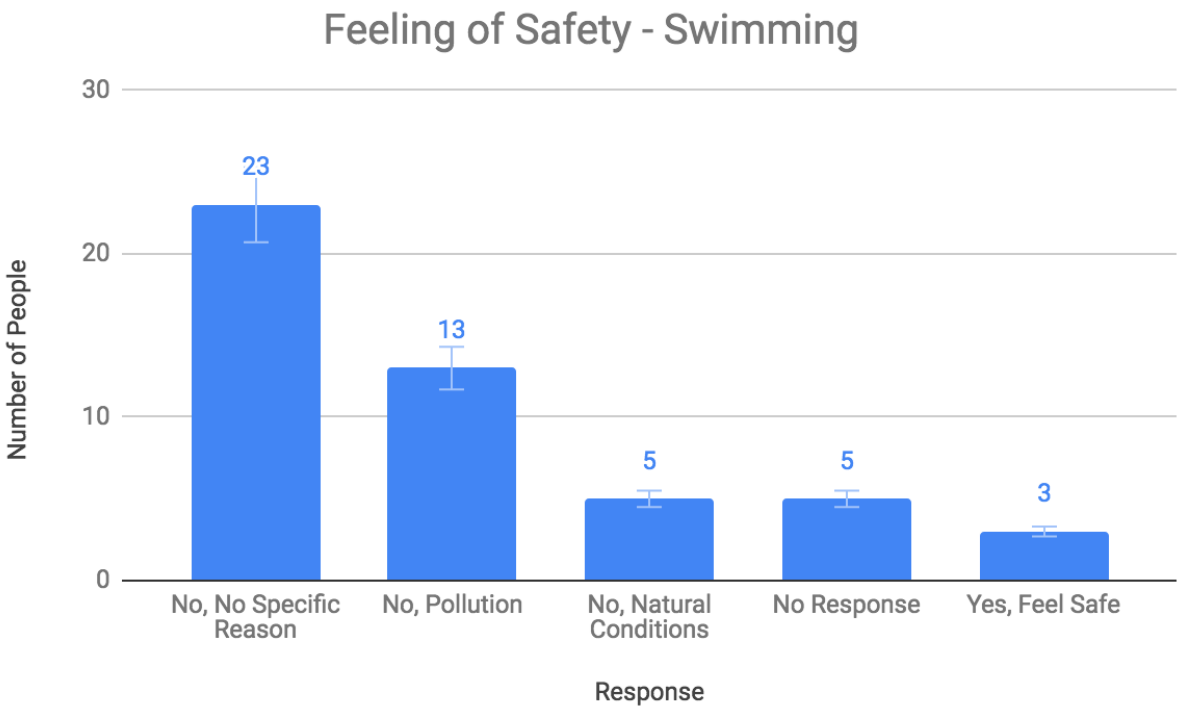
Q.10 Would you feel safe swimming here? Would you feel safe eating the fish?

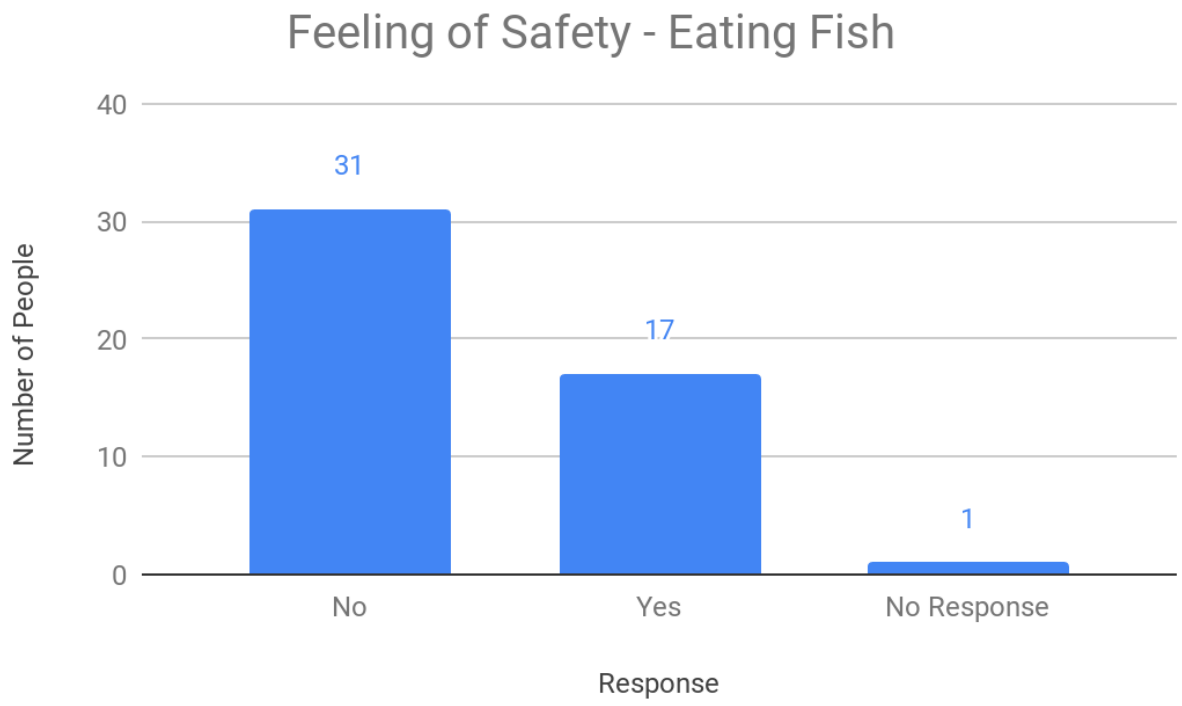
Coney Island Creek includes a beach and a fishing pier, and we asked all participants whether they felt safe swimming or eating the fish in or from these areas. A majority of respondents (46.9%) simply said they did not feel safe swimming in the creek. A few (10.2%) cited the natural conditions of the creek, such as the strong currents, tides, and animals such as sharks and stingrays as reasons not to swim. Approximately one-fourth of respondents (26.5%) spoke about the uncleanliness of the creek, such as dumping and items submerged underwater, as posing safety concerns for swimming. One respondent specifically mentioned the 'do not swim' signs posted in some places, and another mentioned how the

sewer goes into the creek. Only 6.1% of those interviewed said the creek was safe for swimming. There was a significant change in response when asked about the safety of eating fish. 34.7% answered yes, with one person mentioning how the fish are safe because they came from the sea and not originally from the creek. Of the respondents who said no (63.3%), some mentioned not eating fish due to taste or diet, but would still not eat the fish from the creek regardless. Several others mentioned the polluted state of NYC's waters as a reason for not eating the fish. While in the field, the research team noticed a dead, waterlogged rat had washed ashore right next to people swimming and fishing who did not seem to mind it. In contrast, the research team also spoke with one fisherman who wore waders in the water and even avoided getting his arms wet.

Feeling of Safety - Swimming		
RESPONSE	**COUNT**	**% OF RESPONDENTS**
No, No Specific Reason	23	46.9%
No, Pollution	13	26.5%
No, Natural Conditions	5	10.2%
No Response	5	10.2%
Yes, Feel Safe	3	6.1%
Total Respondents	**49**	**100.0%**

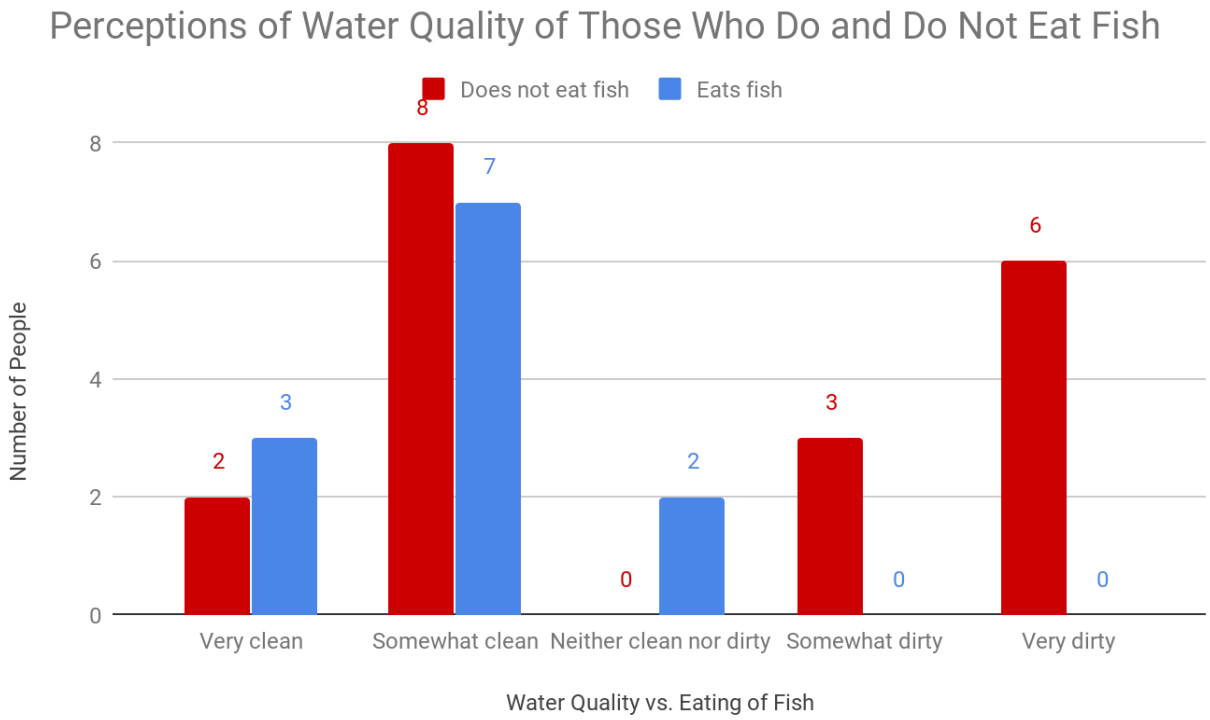
Feeling of Safety - Eating Fish		
RESPONSE	**COUNT**	**% OF RESPONDENTS**
No	31	63.3%
Yes	17	34.7%
No Response	1	2.0%
Total Respondents	**49**	**100.0%**


Feeling of Safety - Swimming
30
20
10
0
Number of People
23
13
5
5
3
No, No Specific Reason
No, Pollution
No, Natural Conditions
No Response
Yes, Feel Safe
Response


Feeling of Safety - Eating Fish
40
30
20
10
0
Number of People
31
17
1
No
Yes
No Response
Response

10.b. What are the perceptions of water quality for people who eat fish?

We looked to see if there was a relationship between respondents who would eat the fish and their perceptions of water cleanliness. The data does suggest that there is a pattern, where participants who would eat the fish only report the water quality to be in the “very clean”, “somewhat clean”, or “neither clean nor dirty” categories. Responses on water quality from those who stated they would not eat the fish were more varied. It should also be noted that some respondents commented that they would not eat the fish due to reasons unrelated to water cleanliness, such as allergies or taste.



Q.11 If you do eat fish or crabs from water, what types, and how do you prepare them?

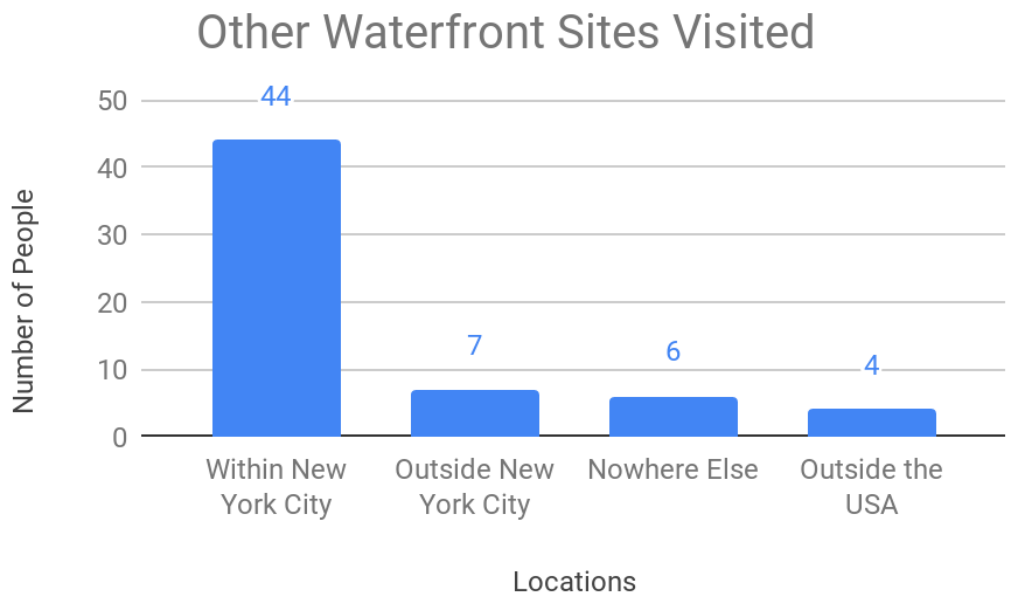
Additionally we asked participants for specific species they catch or eat to get a better sense of the range found in the creek during the field research season, as well as to have a better understanding of which species attract fishers. We found the species most frequently mentioned were mullet, porgy, bluefish, and striped bass. The most popular methods of preparation were frying, BBQing, steaming, baking, and stewing. This data could be further developed and used to explore the ecology of the area, the activities certain fish seasons bring, as well as how some of the community might be utilizing the creek for not only fishing recreation, but as a main or supplemental source of food.

Types of Fish Caught and Eaten		
FISH VARIETY	**COUNT**	**% OF RESPONSES**
Striped Bass (Morone saxatilis)	9	26.5%
Bluefish (Pomatomus saltatrix)	7	20.7%
Mullet (Mugilidae)	6	17.7%
Porgy or Scup (Stenotomus chrysops)	5	14.7%
Snapper (Lutjanidae)	2	5.9%
Tuna (Thunnini)	1	2.9%
Flounder (Paralichthys)	1	2.9%
Ling (Molva molva)	1	2.9%
Lafayette or Spot fish (Leiostomus xanthurus)	1	2.9%
Small Sharks	1	2.9%
Total Responses	**34**	**100.0%**

Q.12 Where else do you like to go to be close to the water?

Participants listed various places that they visited along the waterfront, with many people responding with multiple locations resulting in a total of 61 answers. The majority of responses (72.1%) mentioned sites that were either in or within a short distance to New York City. These were then broken down in a list seen below. El Salvador, the Mediterranean Sea, France and Bermuda were the "close to the water" locations people liked to visit outside the USA.

Other Waterfront Sites Visited		
LOCATION	**COUNT**	**% OF RESPONDENTS**
Within New York City	44	72.1%
Outside New York City	7	11.5%
Nowhere Else	6	9.8%
Outside the USA	4	6.6%
Total Responses	**61**	**100.0%**

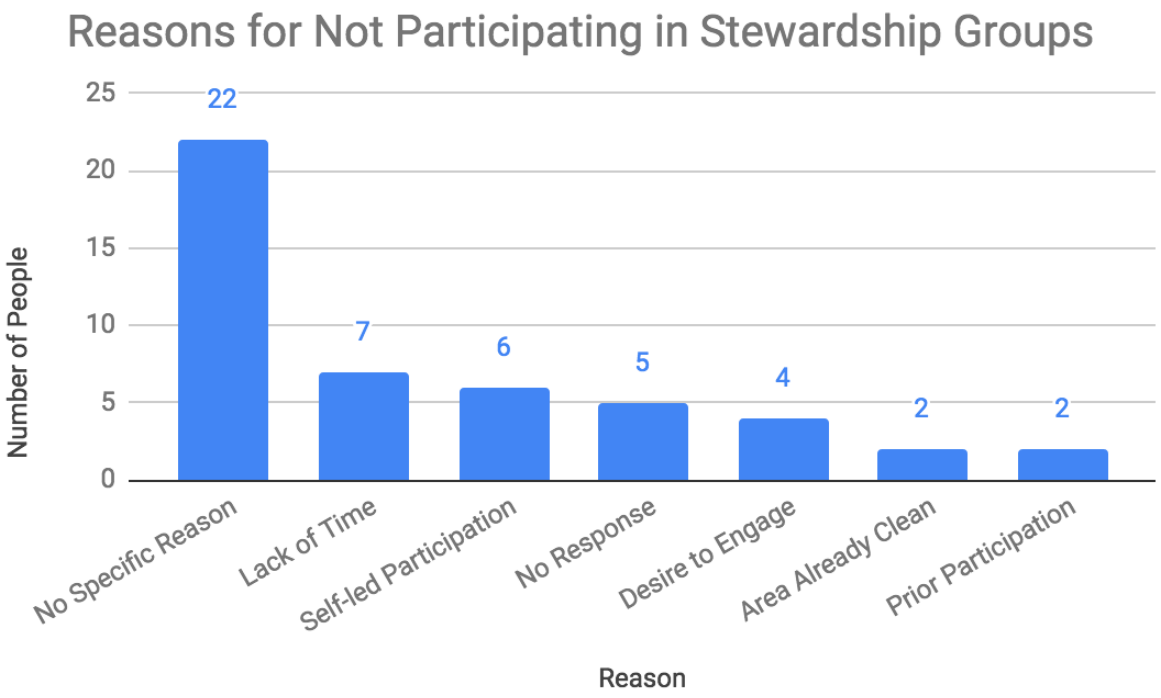


Waterfront Sites Within New York City		
LOCATION	**COUNT**	**% OF RESPONDENTS**
Coney Island Beach	20	45.5%
Rockaway Beach	5	11.4%
Seagate	5	11.4%
Brighton Beach	3	6.8%
Plum Beach	2	4.5%
Sheepshead Bay	2	4.5%
Howard Beach	1	2.3%
Manhattan Beach	1	2.3%
Dyker Heights	1	2.3%
Kaiser Park	1	2.3%
Gowanus Canal	1	2.3%
Bay Ridge	1	2.3%
Domino Park	1	2.3%
Total Responses	**44**	**100.0%**

Q.13 Are you involved in any stewardship groups that take care of the environment?

The majority of interviewees (87.8%) stated they were not connected with stewardship groups, with only one person overall answering yes and 10.2% having no response. If the participant answered no, we then asked for any reason they were not involved. Most had no specific answer (n=22) as to why they were not involved with a stewardship group, though one respondent claimed that his dog helped by grabbing trash. Other respondents cited lack of time (n=7) and that the area was already clean (n=2). However, some respondents (n=6) reported self-led stewardship primarily with trash removal. A desire to engage in stewardship (n=4) and prior involvement in stewardship (n=2) were also noted, with one respondent indicating that they had previously participated in a beach cleanup, but ceased future involvement due to a cut from a broken beer bottle while cleaning. The sole person who stated they were involved in a stewardship group, specified the name and mission of the organization - New York Cares, which hosts beach clean-ups on Staten Island. In addition to responses, some people went on to state clean-ups they had seen or heard happening in the area. Some simply mentioned noticing the Parks department coming to pick up trash. Even though the participant may not be active in stewardship, they still noticed and recognized stewardship, suggesting the awareness and impact level of such activities.

Reasons for Not Participating in Stewardship Groups	
REASON	**COUNT**
No Specific Reason	22
Lack of Time	7
Self-led Participation	6
No Response	5
Desire to Engage	4
Area Already Clean	2
Prior Participation	2
Total Respondents	**48**


Reasons for Not Participating in Stewardship Groups
Number of People
25
20
15
10
5
0
22
7
6
5
4
2
2
No Specific Reason
Lack of Time
Self-led Participation
No Response
Desire to Engage
Area Already Clean
Prior Participation
Reason

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Appendix A: Direct Human Observation Protocol

DIRECT HUMAN OBSERVATION OF URBAN WATERFRONTS – 2018

☐ **WEEKDAY** ☐ **EVENING** ☐ **WEEKEND**

DIRECT HUMAN OBSERVATION	# Kids (<18)	# Adults (18-65)	# Seniors (>65)
Bicycling			
Jogging / Running			
Walking / Dog Walking			
Sports & Recreation (soccer, tennis, cricket, baseball, volleyball, football, frisbee, playground use, tag, etc.)			
Educational Group / Tour(remember primary purpose, note the activity - count each individual)			
Nature Recreation (birding, digging, building w nature, climbing, etc.)			
Fishing (fishing with pole, fishing with net or hands)			
Crabbing			
Swimming / Wading / Water play (jumping, playing, relaxing in water)			
Sunbathing / free play on shore (playing in sand, beach activities)			
Boating – with engines or sails (launching or landing boat, jetskiing, sailing)			
Boating – nonpower (launching or landing boat, kayaking, paddleboarding)			
Plant Collection / Foraging / Gathering			
Stewardship (gardening, tree care, weeding, trash removal, watering, volunteers in parks)			
Sitting / Resting / Standing / Waiting / Keeping Watch (alone, not socializing)			
Socializing in Place (people talking, barbecuing, party, in groups, children in free play)			

Working (parks maintenance, vendor, utility, repair, building, re-building)			
Other Activity (homeless person sleeping, musician on street, washing or fixing car)			
Encounter with Resident: positive (remember to record what they are doing)			
Encounter with Resident: negative (remember to record what they are doing)			
SOCIAL OBSERVATION			
# of pairs			
# of small groups (3-10)			
# of large groups (10+)			
# of dogs			

Team Name:	**Park Name:**		**Zone:**
Date (MM/DD/YYYY):	**Camera #**	**First Photo #:**	**Last Photo #:**

Field Notes:

Appendix B: Interview Protocol

WATERFRONT OBSERVATION – 2018 ☐ **WEEKDAY** ☐ **EVENING** ☐ **WEEKEND**

Team name:	**Park name:**	**Date:**	**Zone:**
Approximate age: ☐18-65 ☐>65	**Gender:** ☐Male ☐Female		**Time:**
What are you doing along this waterfront today?			
And why do you choose to come here?			
How often do you visit this waterfront area? ☐**Daily** ☐**Weekly** ☐**Monthly** ☐**Occasionally** ☐**Rarely**			
How far did you travel to get here? ☐**Less than 5 blocks** ☐**6-10 blocks** ☐**11-20 blocks** ☐**Over 20 blocks**			
What other types of activities do you like to do in this area? (i.e. fishing, boating, running, etc.)			
Anything preventing you from accessing this waterfront?			
When was the first time you came here? (year, or month if in the last year)			
Have you noticed any changes since then? If so, what? (i.e. usage, development, access, pollution, wildlife, etc.)			
Based on the following scale, how clean do you think the water is? (very clean, somewhat clean, neither clean nor dirty, somewhat dirty, very dirty)			

Would you feel safe swimming here? Would you feel safe eating the fish?
If you do eat fish or crabs from water, what types, and how do you prepare them?
Where else do you like to go to be close to the water? *(capture named sites & specific geography whenever possible)*
Are you involved in any groups that help take care of waterfront areas or the environment? ☐**Yes** ☐**No** ☐**No, but…** *If necessary, prompt interviewee to think about LOCAL stewardship activities / groups, within NYC* **→If" yes," which group(s)?** **→If "no," why not?** **→If "no, but," capture details:** *(e.g.: related profession, individual practice, home stewardship, other volunteerism)*
FIELD NOTES:

Appendix C: Signs of Human Use Protocol

PARKS OBSERVATION – 2018 ☐ **WEEKDAY** ☐ **EVENING** ☐ **WEEKEND**

Name:	**Park Name:**		**Zone:**
Date (MM/DD/YYYY):	**Camera #**	**First Photo #:**	**Last Photo #:**

SIGNS OF HUMAN USE	**COUNT**
Informal Trails 📷 (cut-throughs, foot paths, desire lines, bike tracks)	
Encampment / Sleeping Area 📷	
Informal / Improvised Sitting Places 📷 (bench, chair, grill)	
Fire Pit 📷	
Memorial / Shrine / Sacred Symbol 📷 (colored ribbons, RIP, "in memory of," stuffed animals)	
Damaged / Vandalized Building or Property 📷	
Substantial Dumping or Debris 📷 (NOT bagged trash or litter)	
Graffiti, Art, Murals 📷 (hand written/painted messages or signs – do NOT photo small, illegible tags)	
Signage, Flyers & Stickers 📷 (community bulletin boards, institutional signs, NOT city street signs or standard parks signs)	
Garden in Park 📷	
Bird Feeder / Birdbath / Bird Box / Bat box 📷	
Boats 📷 (stationary or tied)	

Fishing  (lines, hooks, nets)	
Crabbing, Etc.  (clam digging, traps)	
Other  (specify in Field Notes)	

Field Notes: *capture any official or unofficial name for the zone – via signage or in conversation with public / managers*

Zone Overview Photo #:
Zone Debrief Notes:

Appendix D: Debrief Notes Protocol

PARKS OBSERVATION – 2018 ☐ **WEEKDAY** ☐ **EVENING** ☐ **WEEKEND**

Team:	Date (MM/DD/YYYY):	Park Name:

DEBRIEF NOTES

General Park Observations:	Interview Refusals

NICOLE HAROUTUNIAN

A Brief History of Coney Island Creek

In the 17th century, Coney Island Creek was a small waterway that ended near what is now Cropsey Avenue. It was then dug into a straight that connected Sheepshead Bay to Gravesend Bay, making Coney Island an actual island. Because it was unnavigable, there was talk of widening it into a canal for shipping, but that never happened—once the five boroughs consolidated in 1898, this area lost its economic importance so there was no reason to turn it into a major shipping area. The creek was broken up by landfills over the years, then, in the 1950s, filled in and closed off for the construction of Shore Parkway—today, it is the two remaining inlets at either end.

It seems fitting that Coney Island Creek, home to an improbable collection of ghost ships, a stranded submarine and other haunting nautical detritus, was once known as Gravesend Creek. Over the years, not only ships have wound up in this watery grave, but many souls as well. In 1900, two women, ejected from a trolley for refusing to pay their fare, were run over on the trestle above the Creek, and fell in, dead. Accident-prone excursionists, strangulation victims, capsized picnickers and the downtrodden elite alike met their ends here. In 1895, a bereft Calvert Vaux, designer of Central Park, went for a walk along the water and was later found floating. Was it accident or suicide? We'll never know.

Coney Island Creek has been the site of not only ghostly, but earthly sordid activity, as well. During Prohibition, Rum Row was a flotilla of schooners sitting off shore from Atlantic City up to Martha's Vineyard, full of liquor from Canada, the Caribbean and Europe. It was brought into the city by big time mafia bootleggers like Frank Castello, head of Luciano crime family, and Big Bill Dwyer, who owned, among other sports teams, the Brooklyn Dodgers football team and controlled all rum-running in New York. Frankie Yale—the Undertaker—who owned a Coney Island dive at the waters' edge where Al Capone had his first job, assisted the rum runners and was later gunned down by a rival on Crospey Ave. Many small time operators made rum-runs, too, with the same boats they used for fishing expeditions, helping liquor disperse into Long Island before it ever made it to the rest of the city. In the 1920s, we could have stood on this shore and watched rum-runners speed by being chased by the Coast Guard or hijackers.

From the 1890s to the 1950s, Brooklyn Borough Gas produced gas beside Coney Island Creek leeching pollution into it. People would bring their boats here to clean them with the corrosive sludge from the bottom of the creek. When the Verrazano Bridge was being built in the early sixties, excavated debris from the construction was dumped in the Creek. Area locals also remember that time as when the ghost ships started to turn up there. It was an anonymous dumping ground for these ships—some of them are said to be whaling ships—whose owners wanted to be rid of their bones. They'd either leave them to rot or burn them down to the waterline. Although the Army Corps of Engineers has studied ships abandoned in other parts of the city, it hasn't been profitable to do it here, so these ships remain unidentified. These days, the creek is so polluted that the city is wary of moving the wrecks for fear of unleashing dormant toxins in the sludge around them.

And what of the Creek's most famous denizen, the yellow submarine? It is one shipwreck begotten by another. In 1956, the ocean liner Andrea Doria collided with a second ship and never made it to the Port of New York, sinking in the Atlantic along with its valuable cargo. A decade later, Brooklyn dreamer and shipyard worker Jerry Bianco set out to claim some of that treasure for himself. Using repurposed material, bargain yellow paint and his maritime know-how, Bianco built a submarine on the banks of Coney Island Creek. Sadly, without enough ballast to keep it level, the submarine tipped and became stuck. After several further attempts, a storm quashed Bianco's ambitions, tearing the submarine from the shore and lodging it in the mud, where it still sits, forty years later.

Today, gulls nest in the ribs of whalers, blue crabs scuttle in and out of the submarine and, atop of a submerged barge, enough debris has accumulated to form a brand new island. As so often happens in New York City, life perseveres in Coney Island Creek alongside all of the ghosts.

Underwater New York led an exploration of The Ghost Ships of Coney Island Creek for Obscura Day 2011. Documentation of that trip is forthcoming. In the meantime, check outphotographs by UNY's own Adrian Kinloch, who has long been inspired by the Creek. This recent one of the island growing from a submerged barge at night is particularly stunning. Several historical, and hilarious, articles about Coney Island Creek appear on this site–to hear even more, visit Underwater New York under the Featured tab on Broadcastr.

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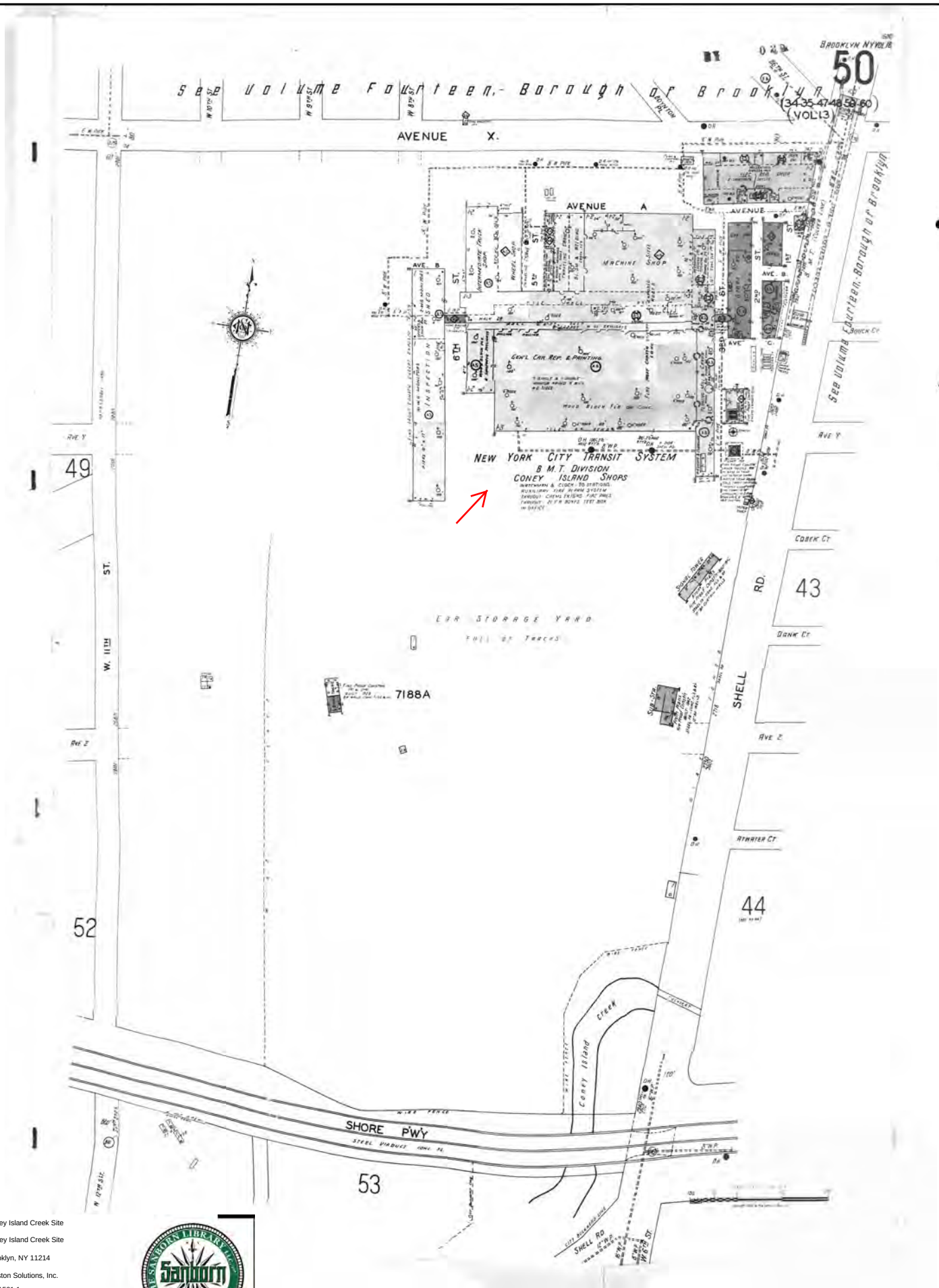

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Order Date:	04/07/2020
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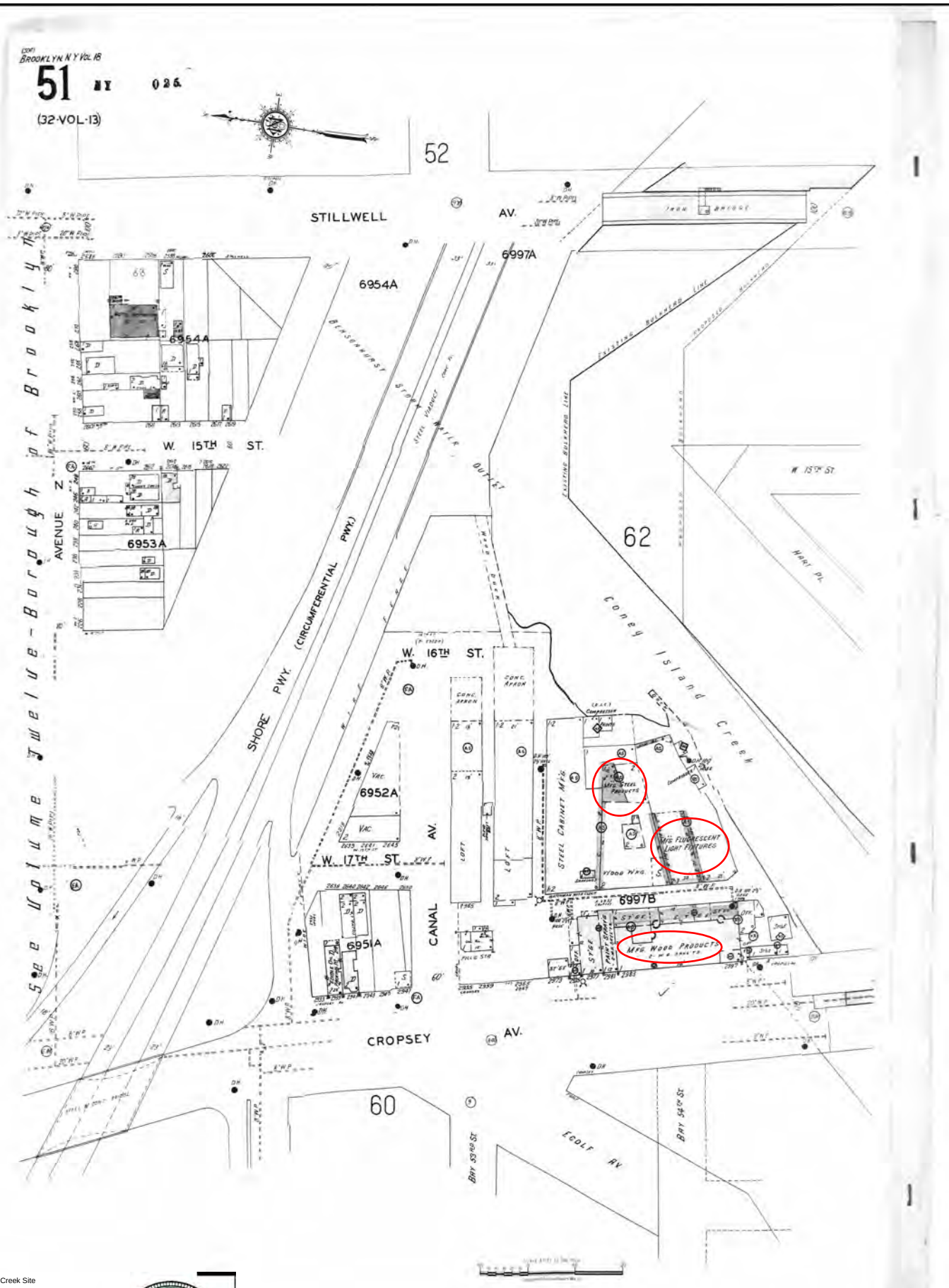

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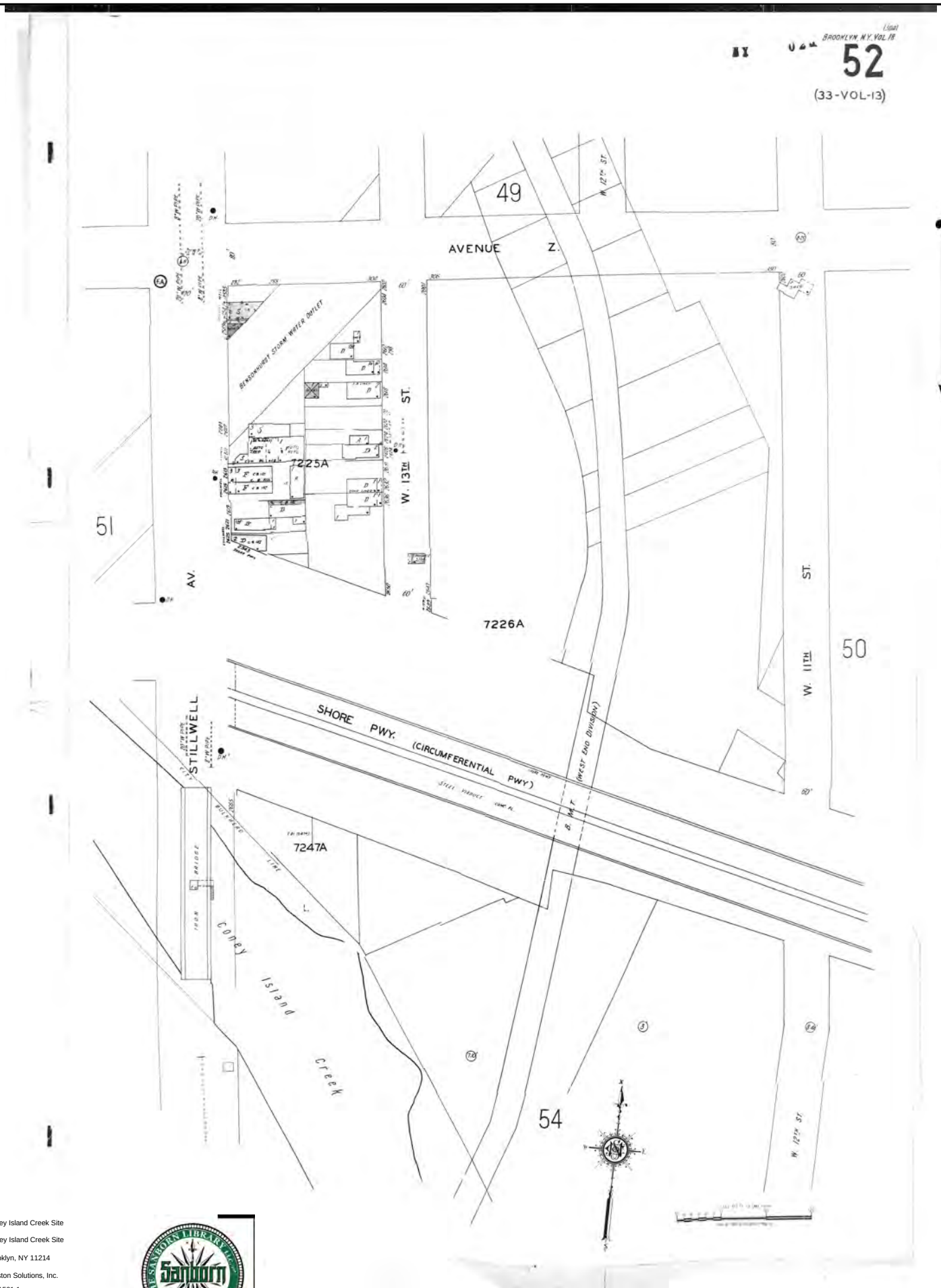

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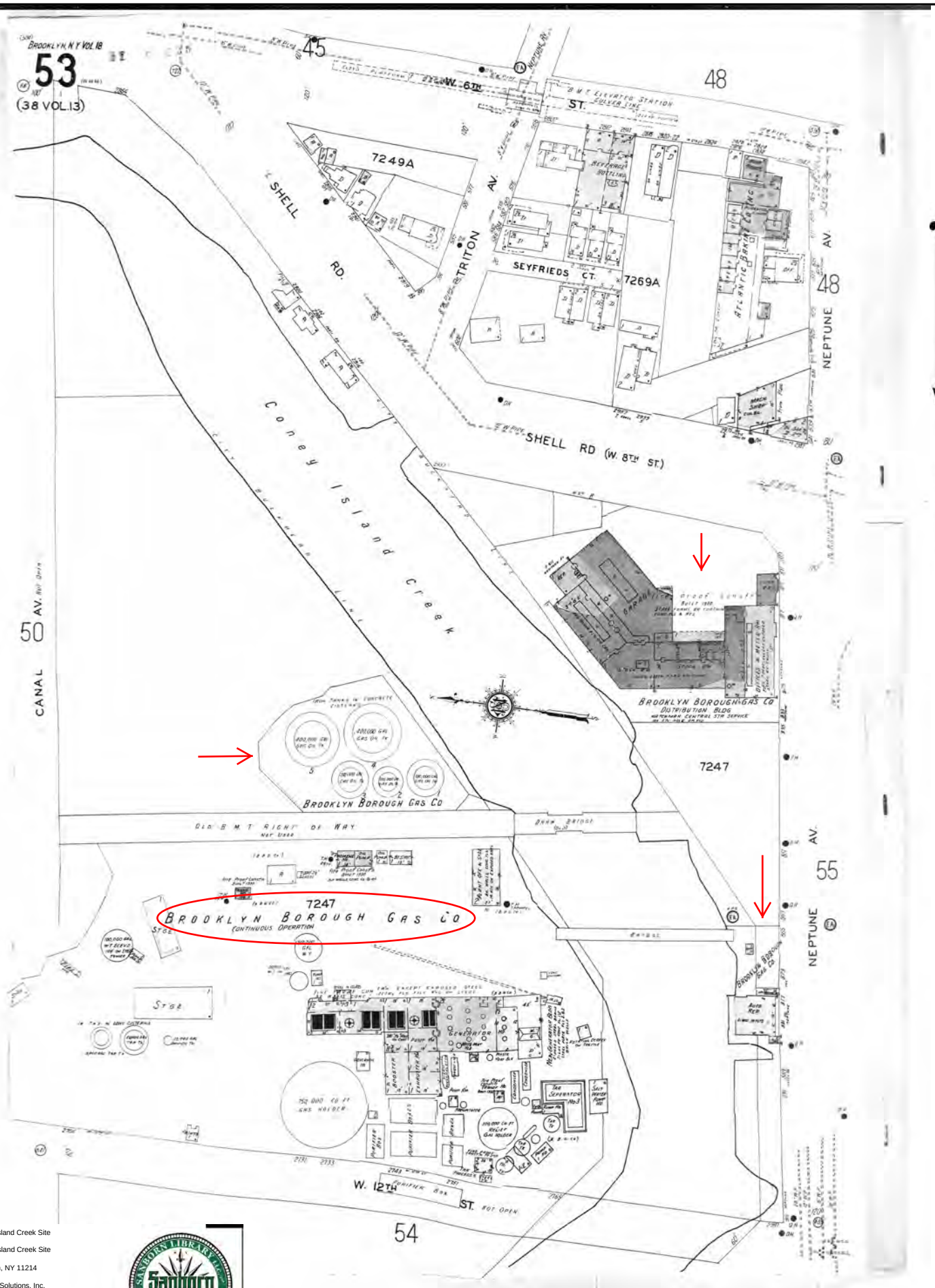

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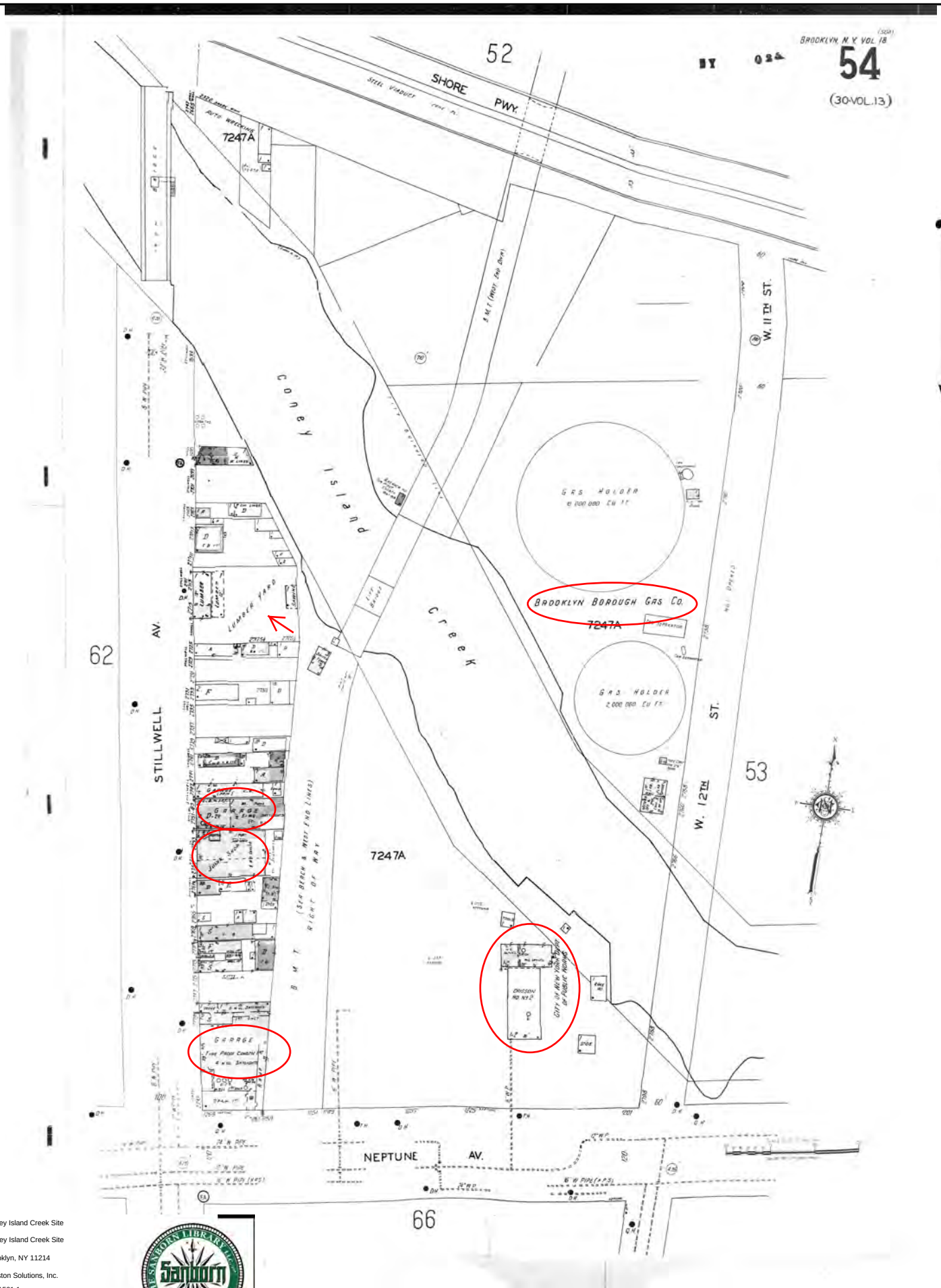

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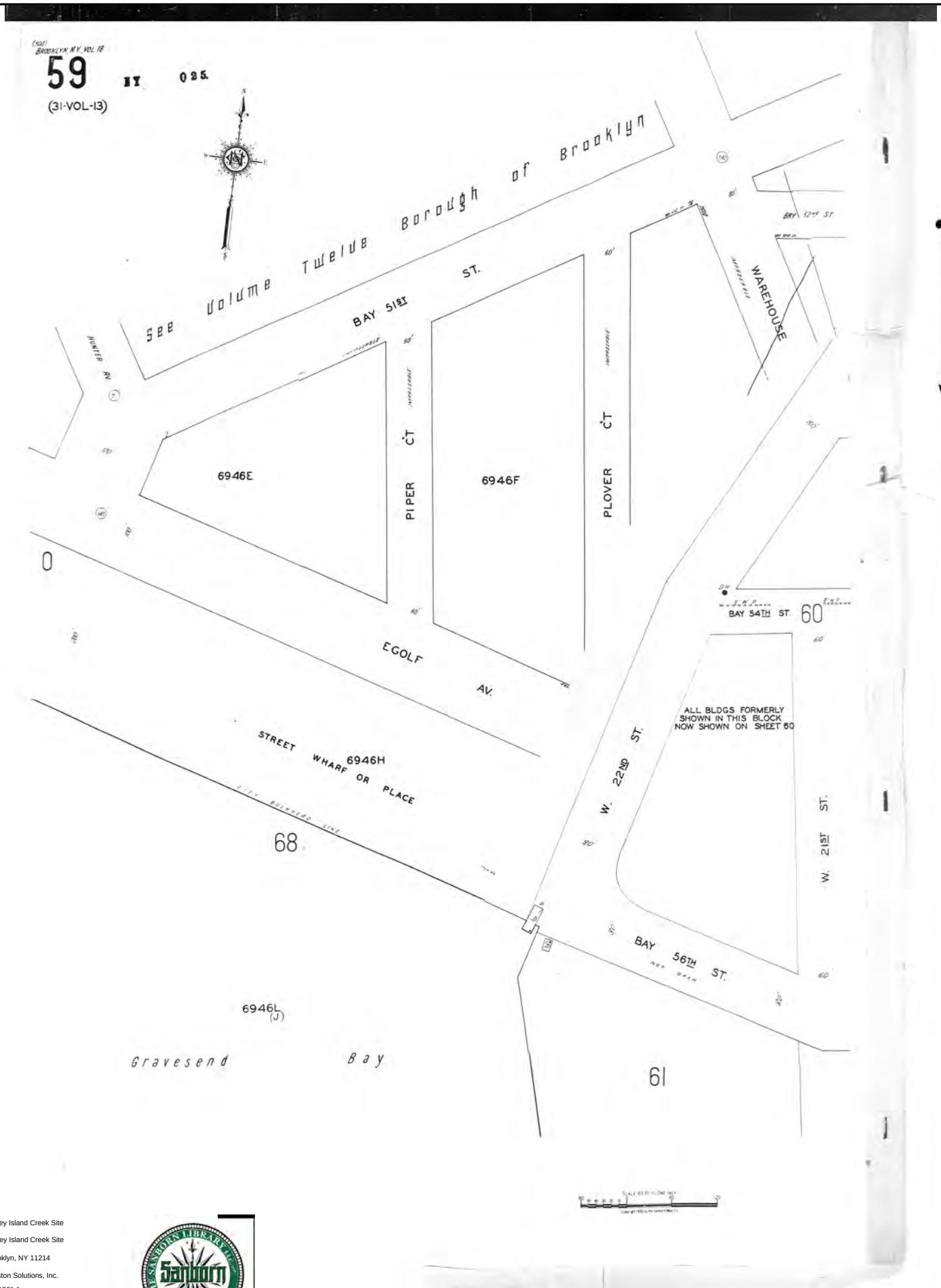

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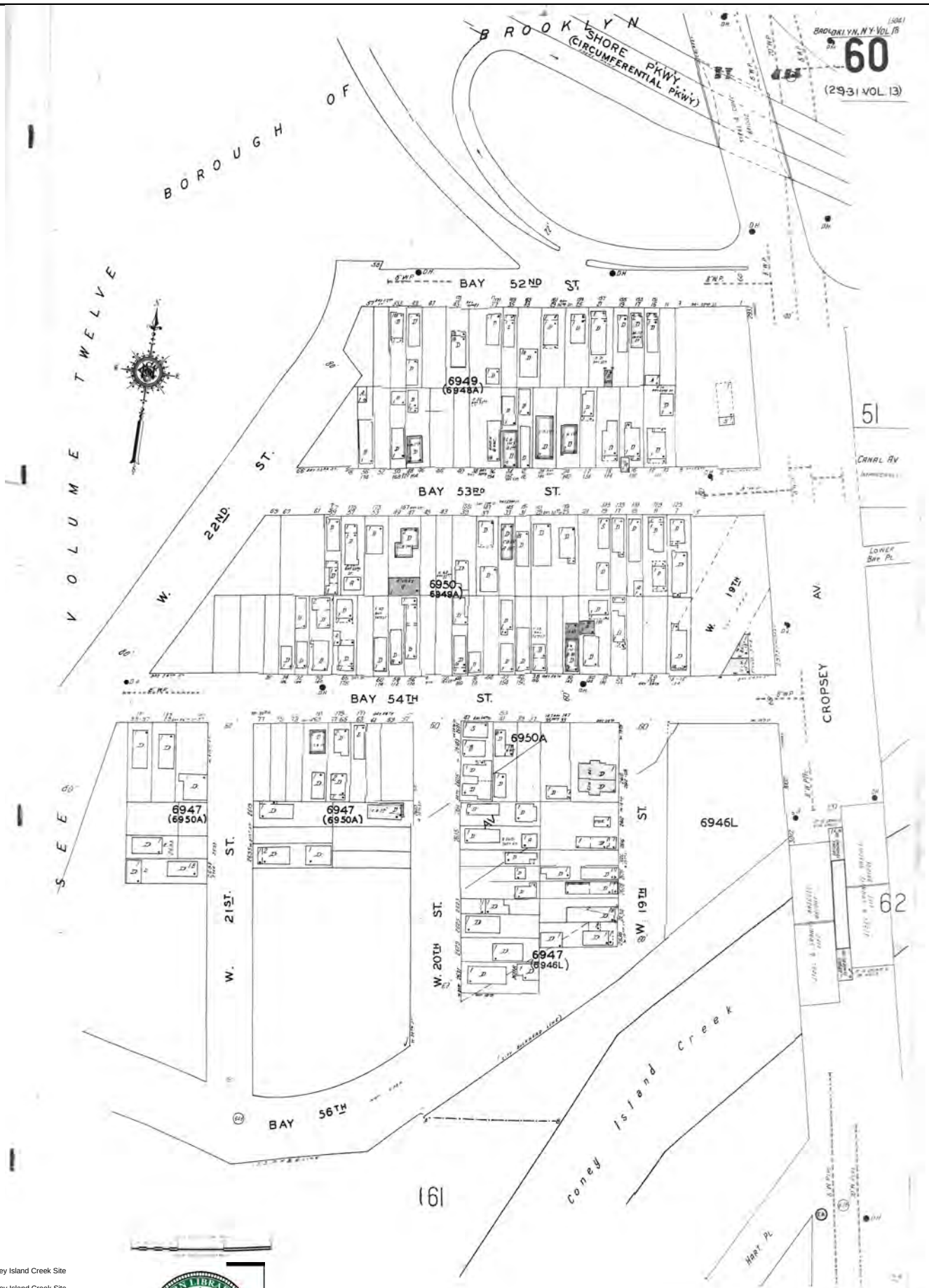

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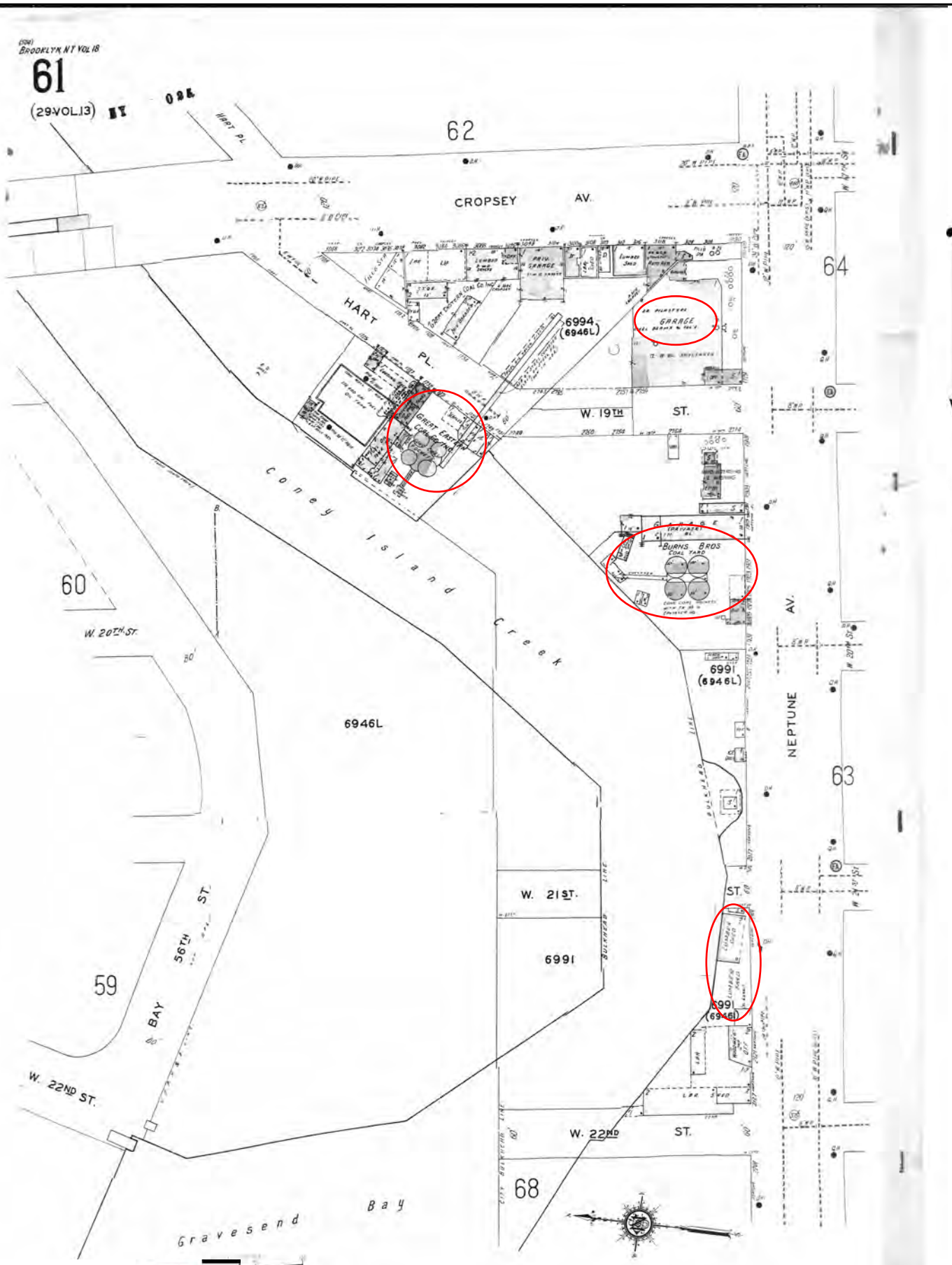

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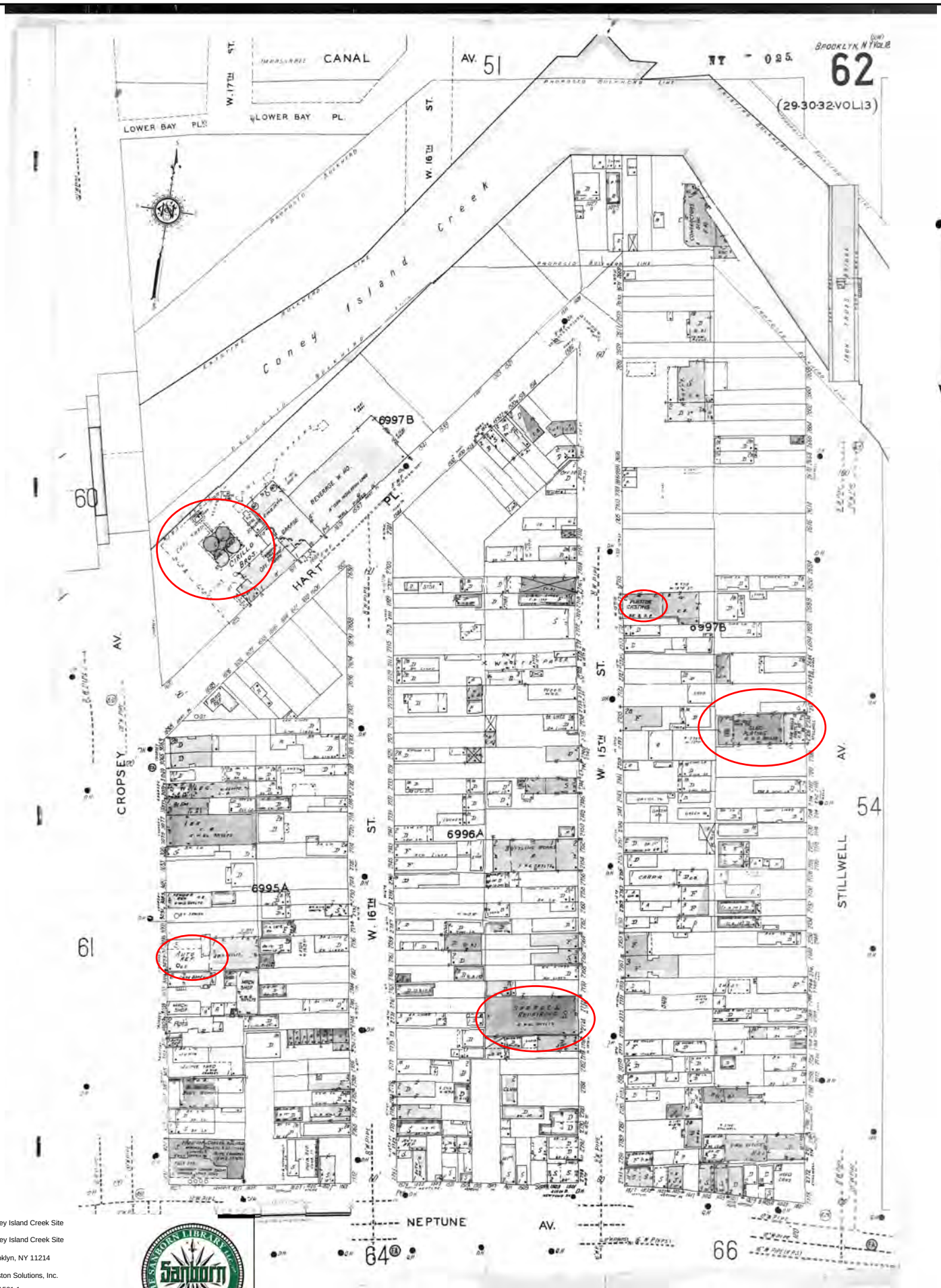

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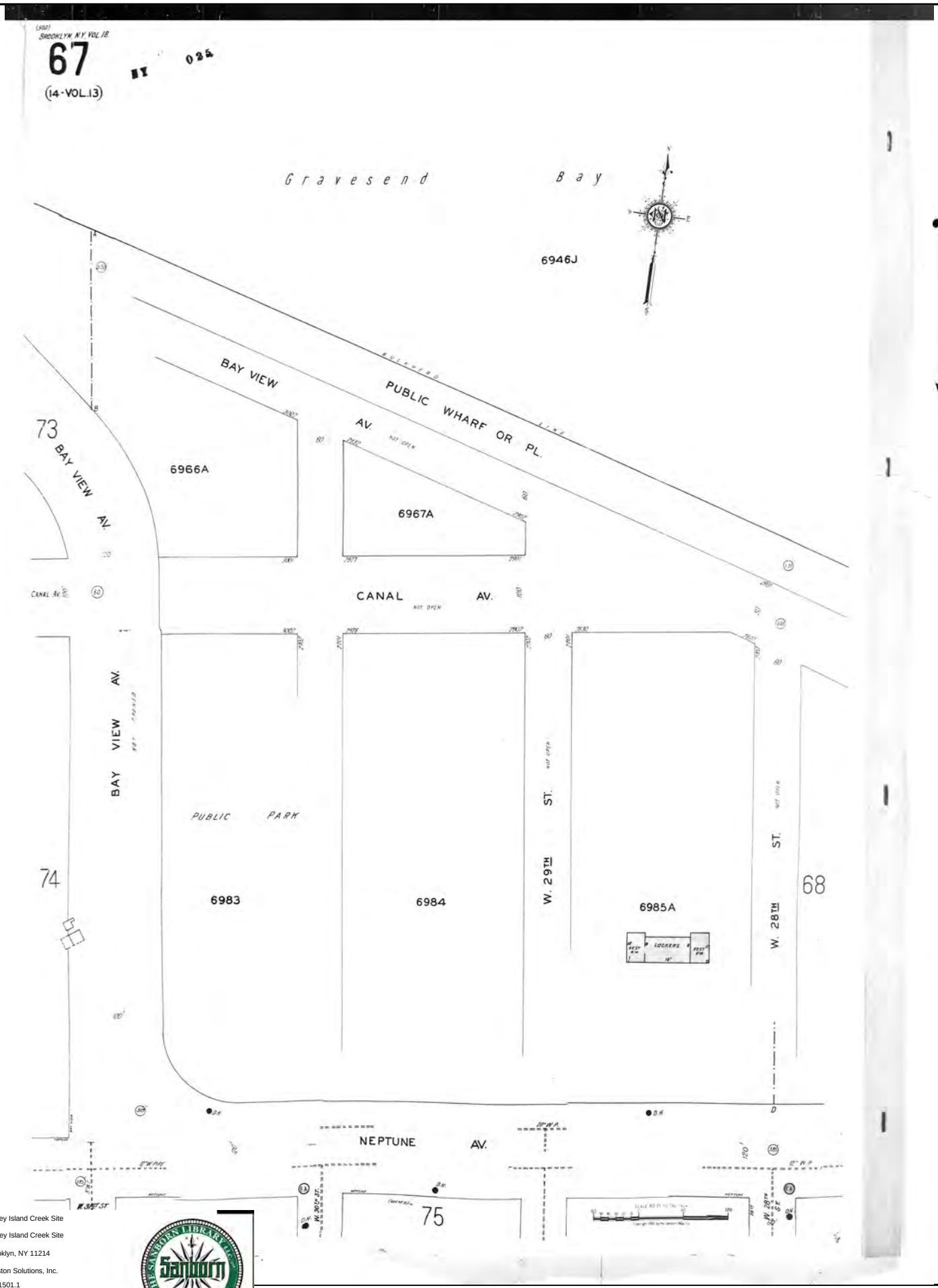

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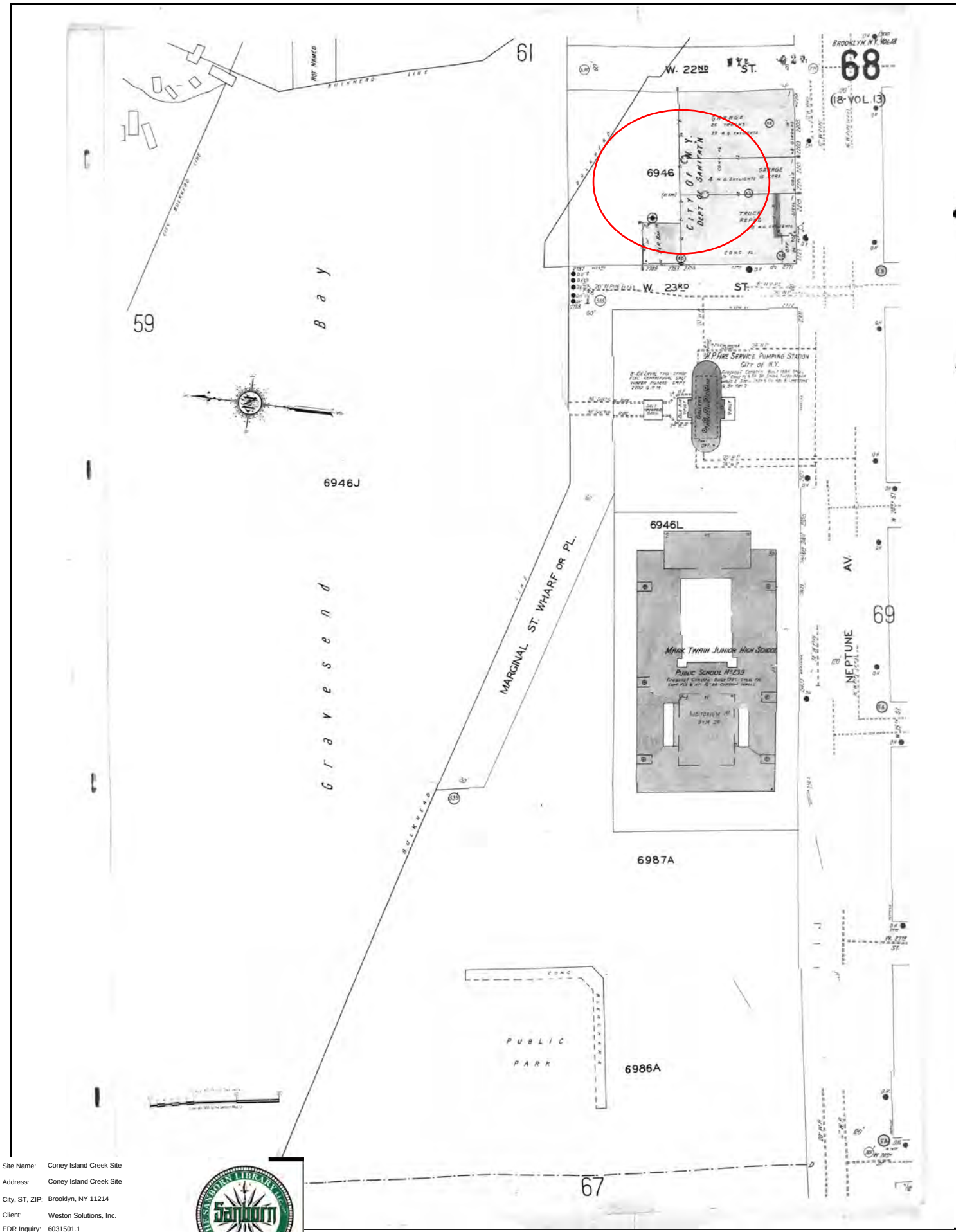

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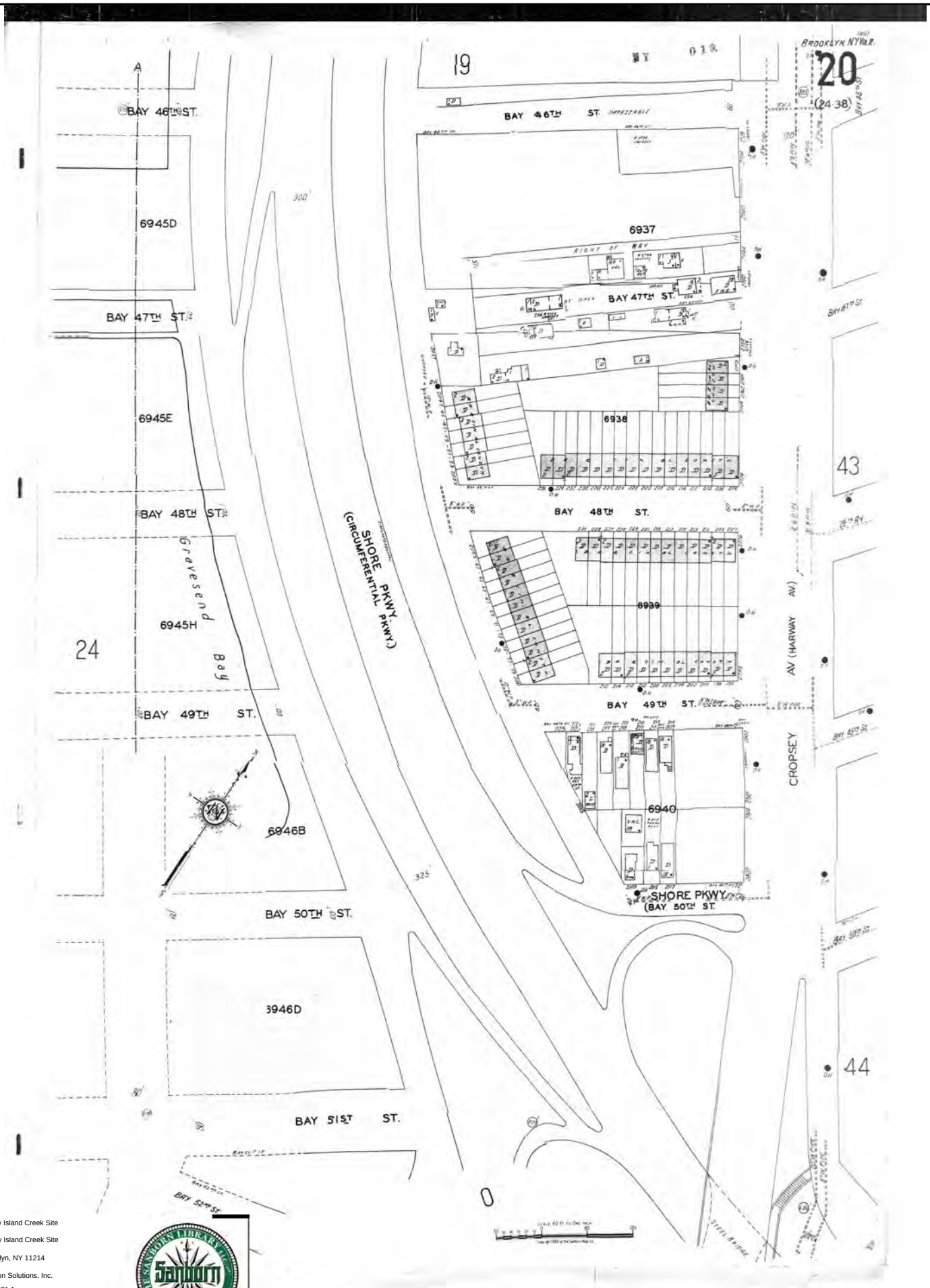

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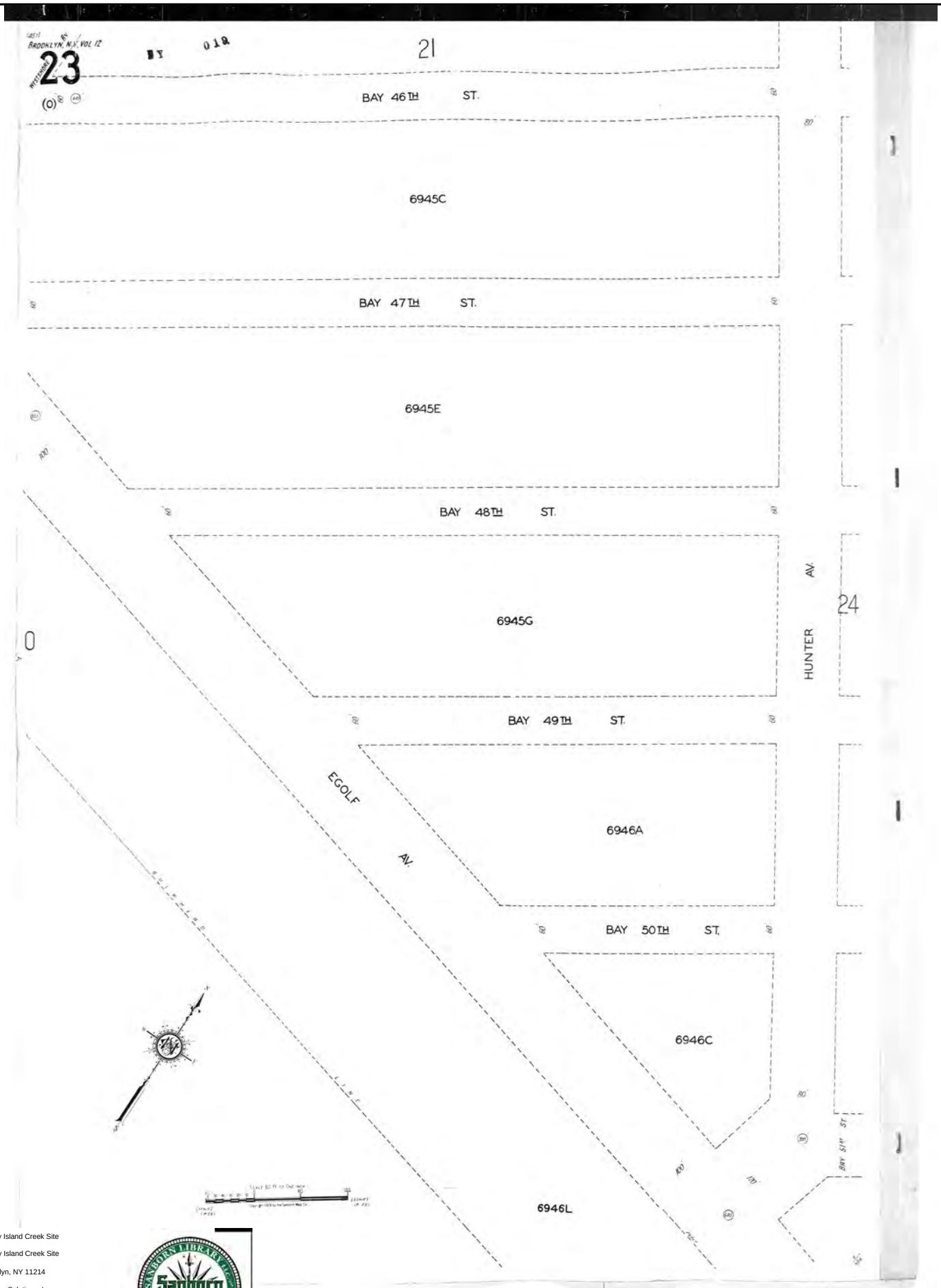

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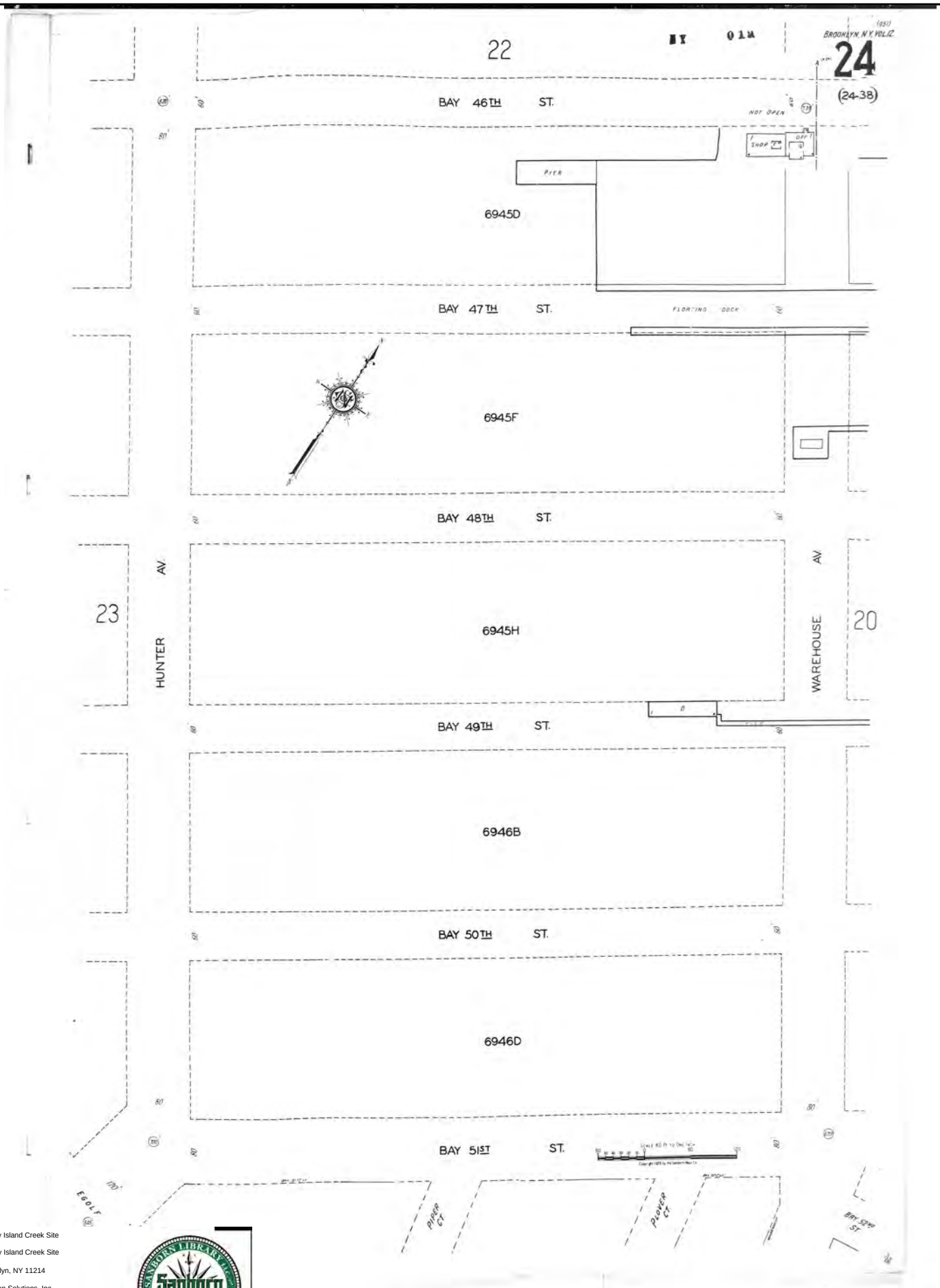

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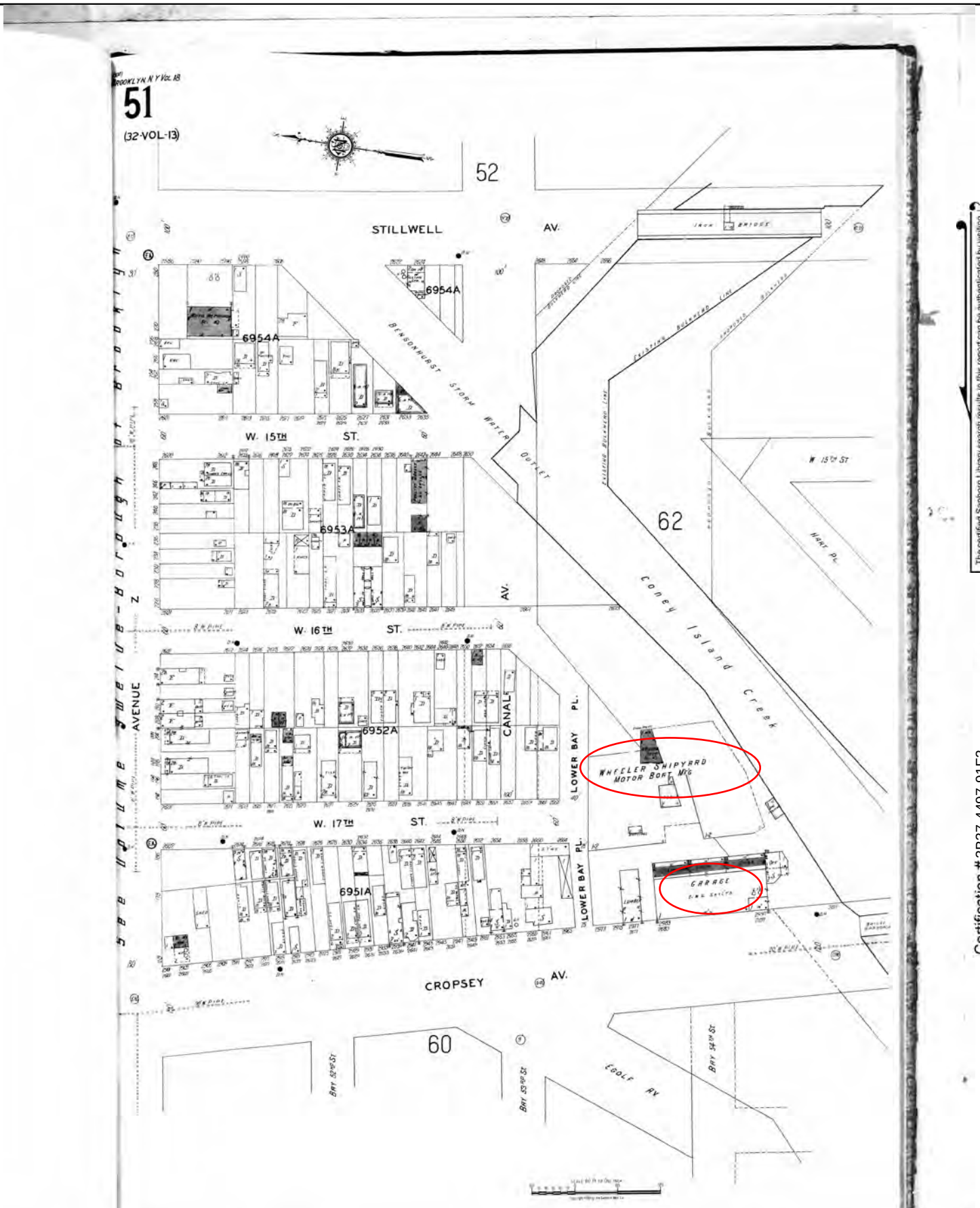

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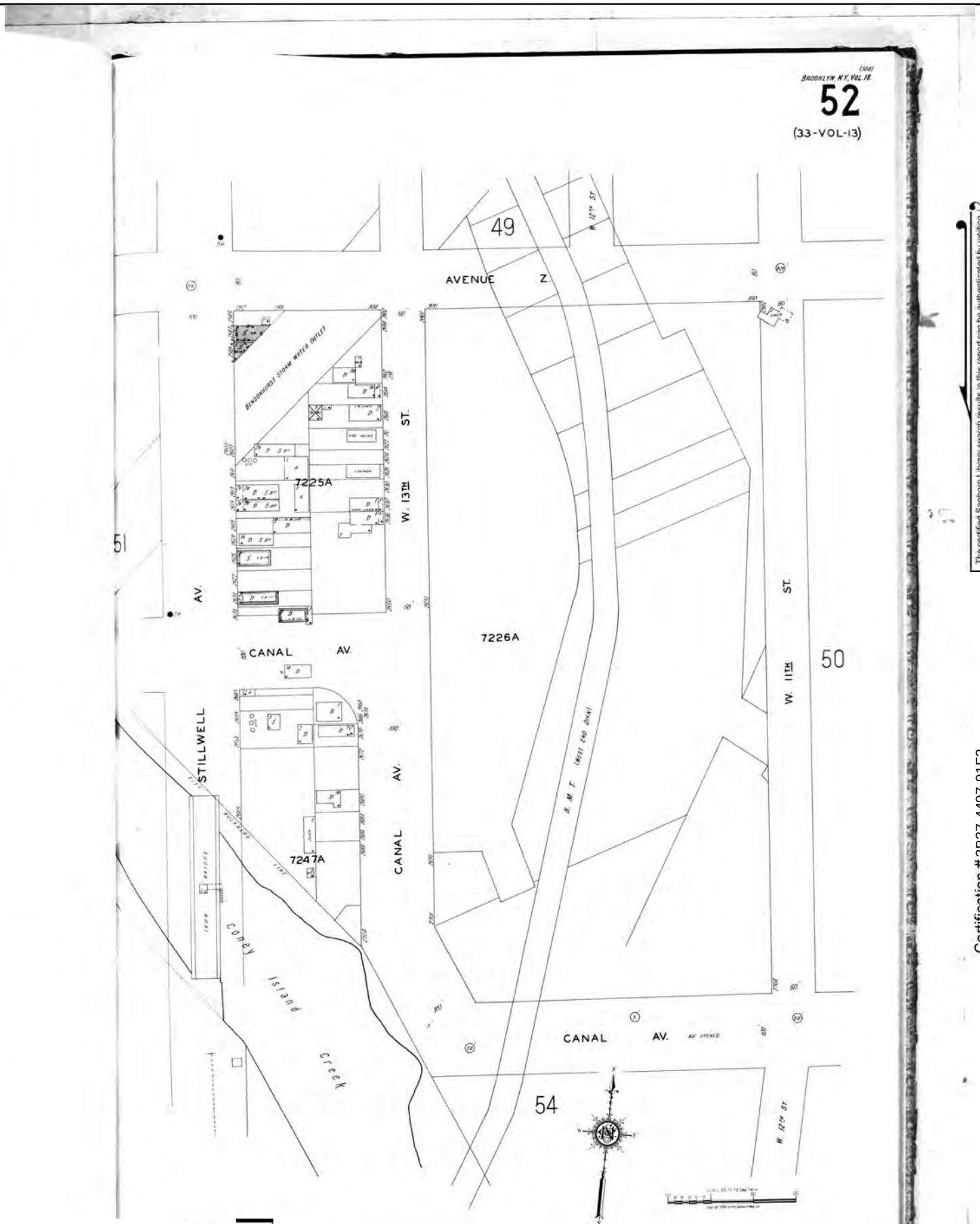

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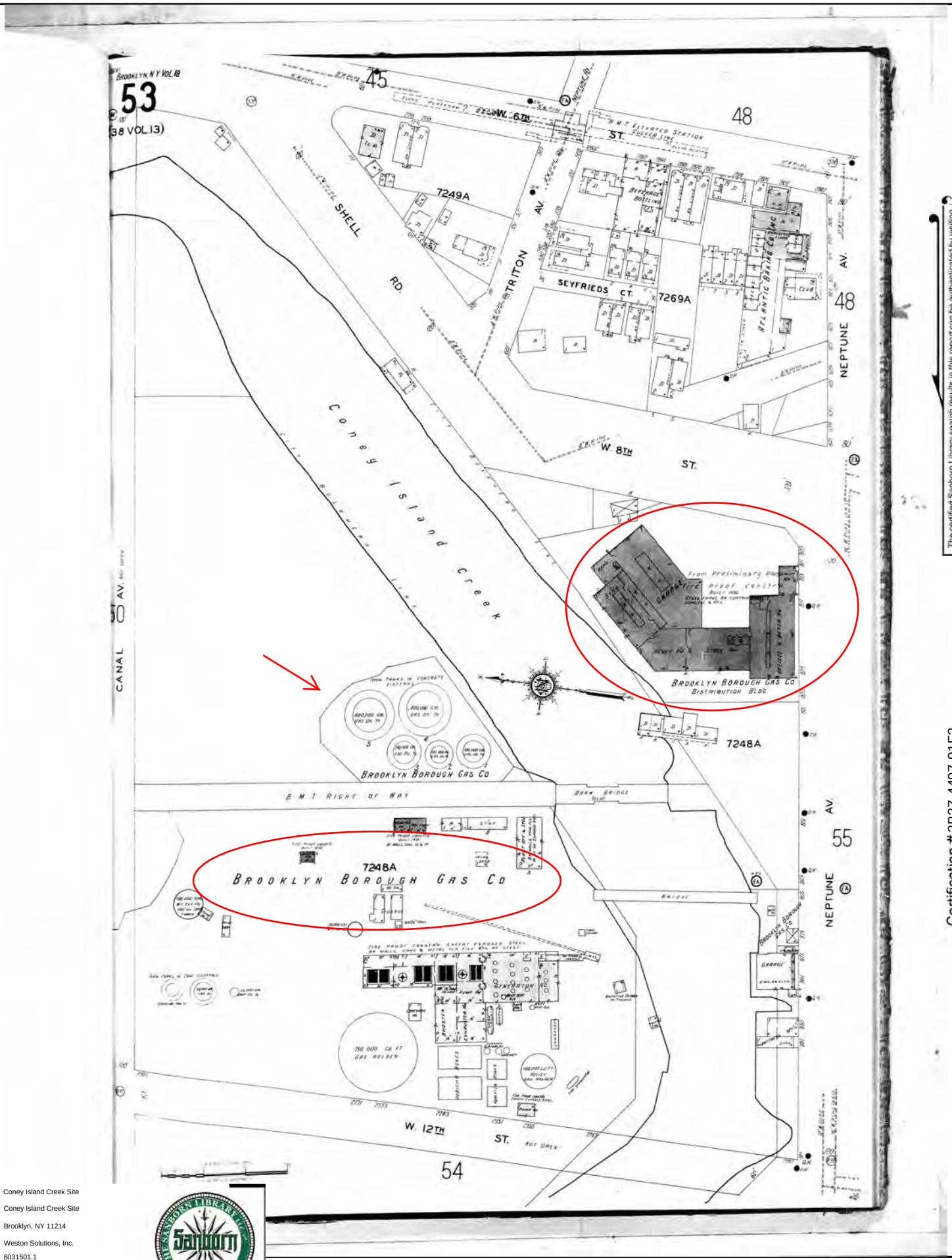

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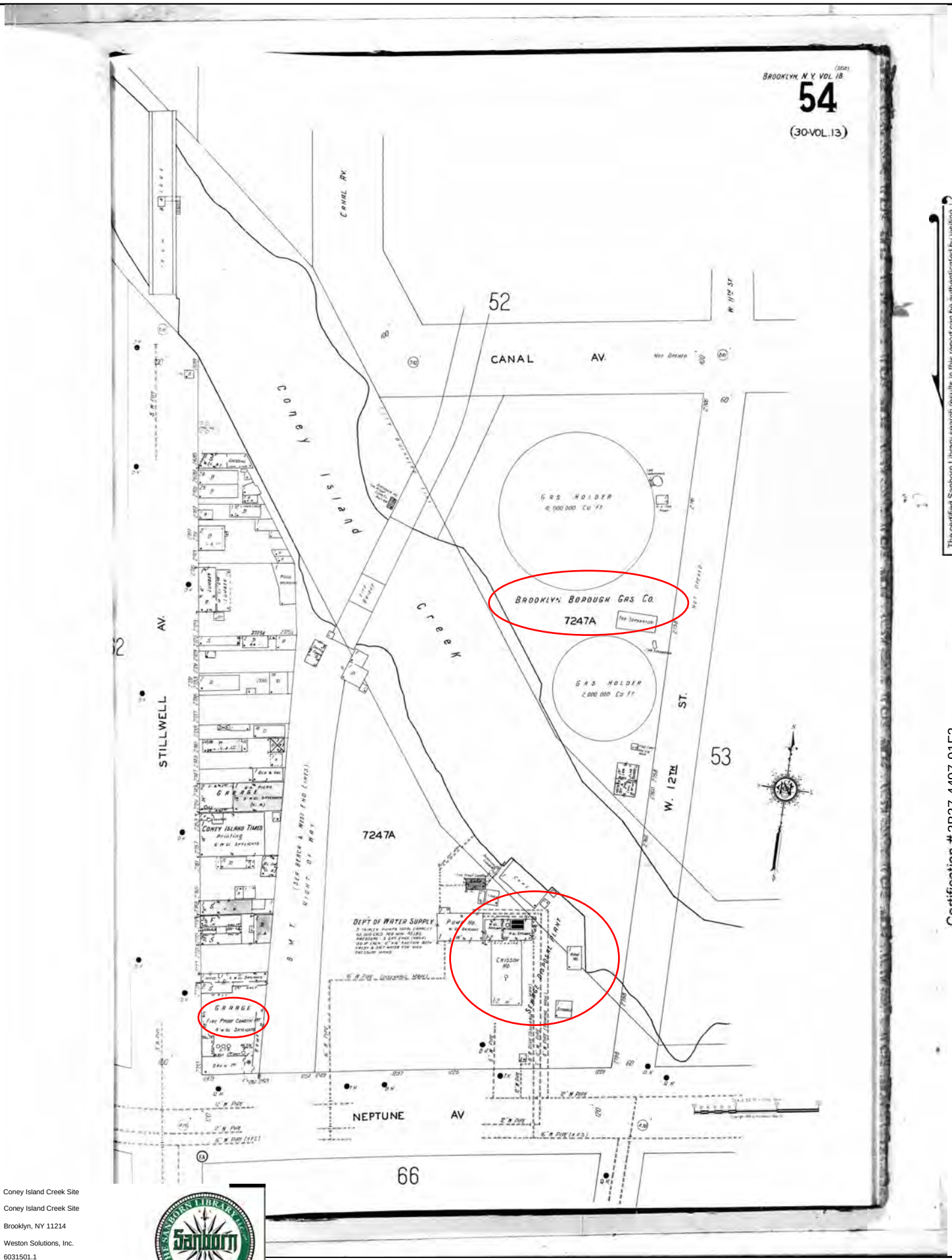

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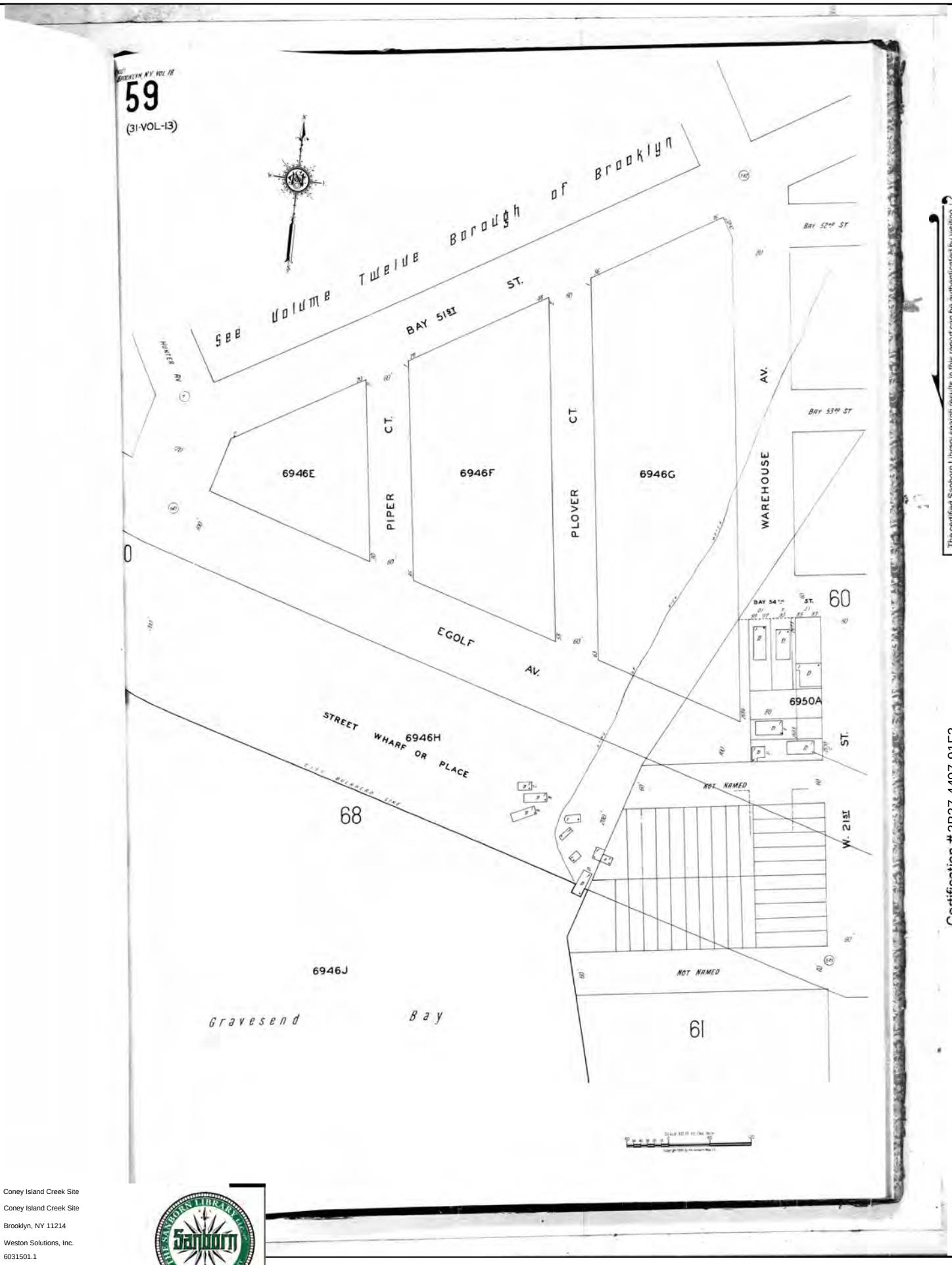

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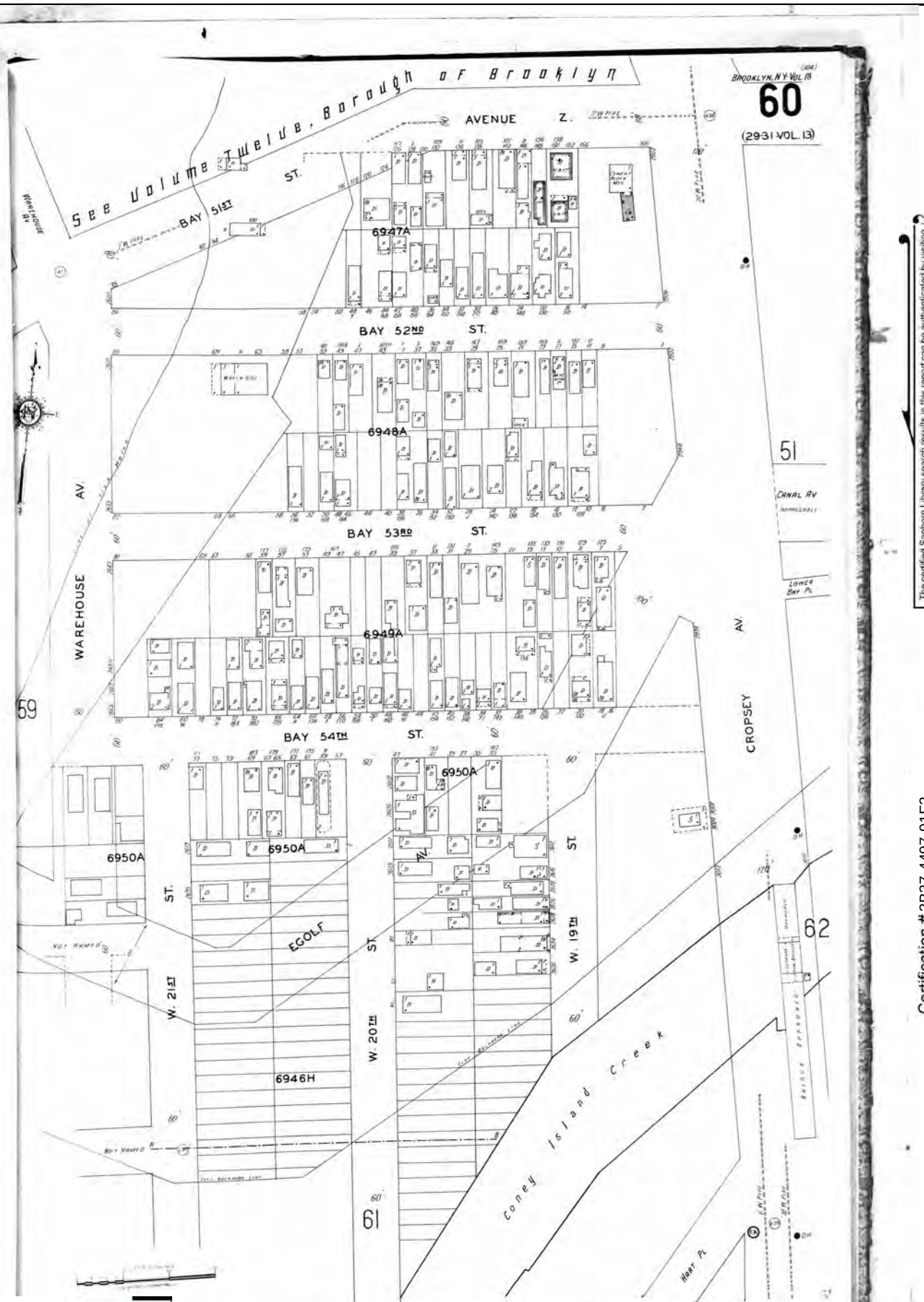

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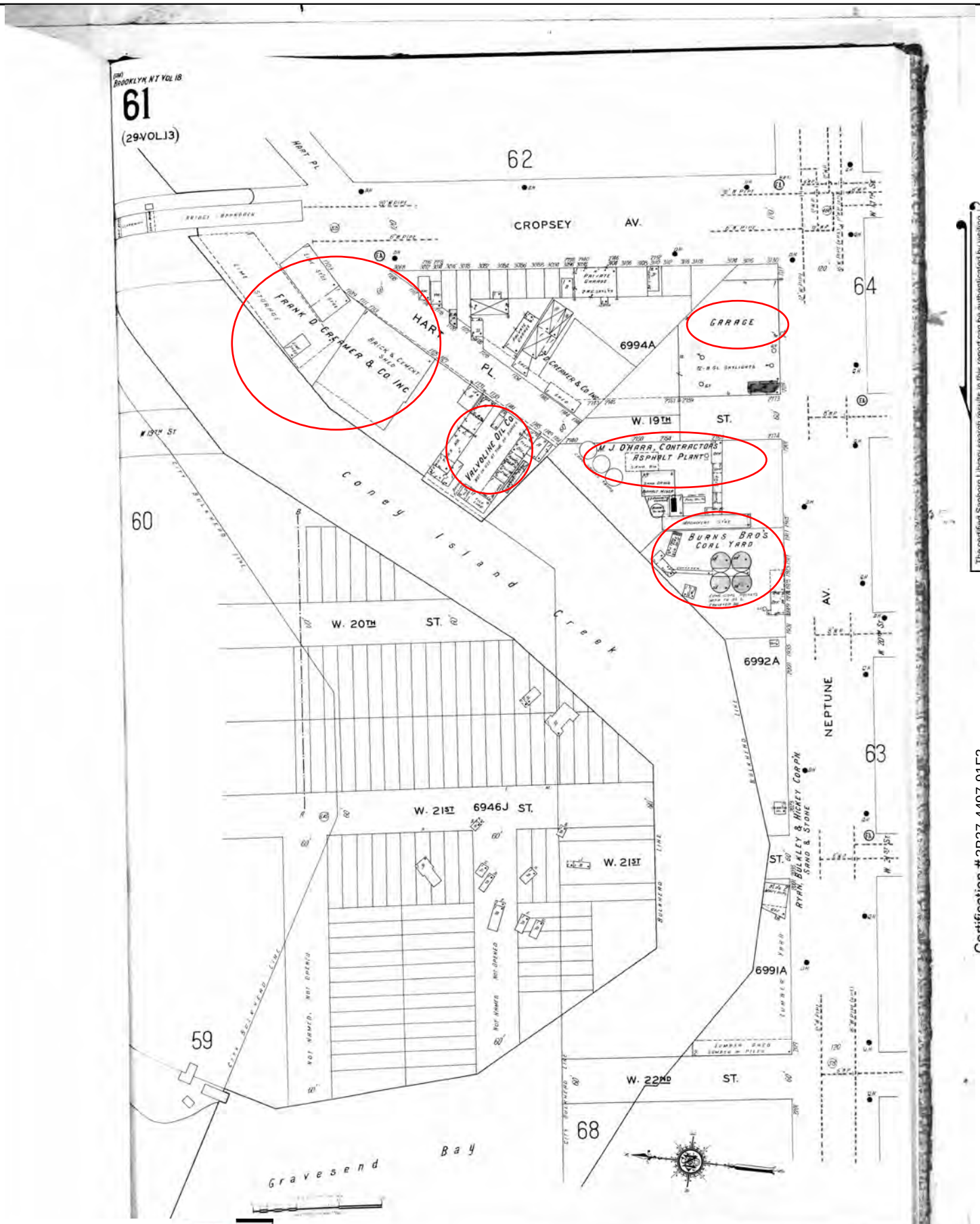

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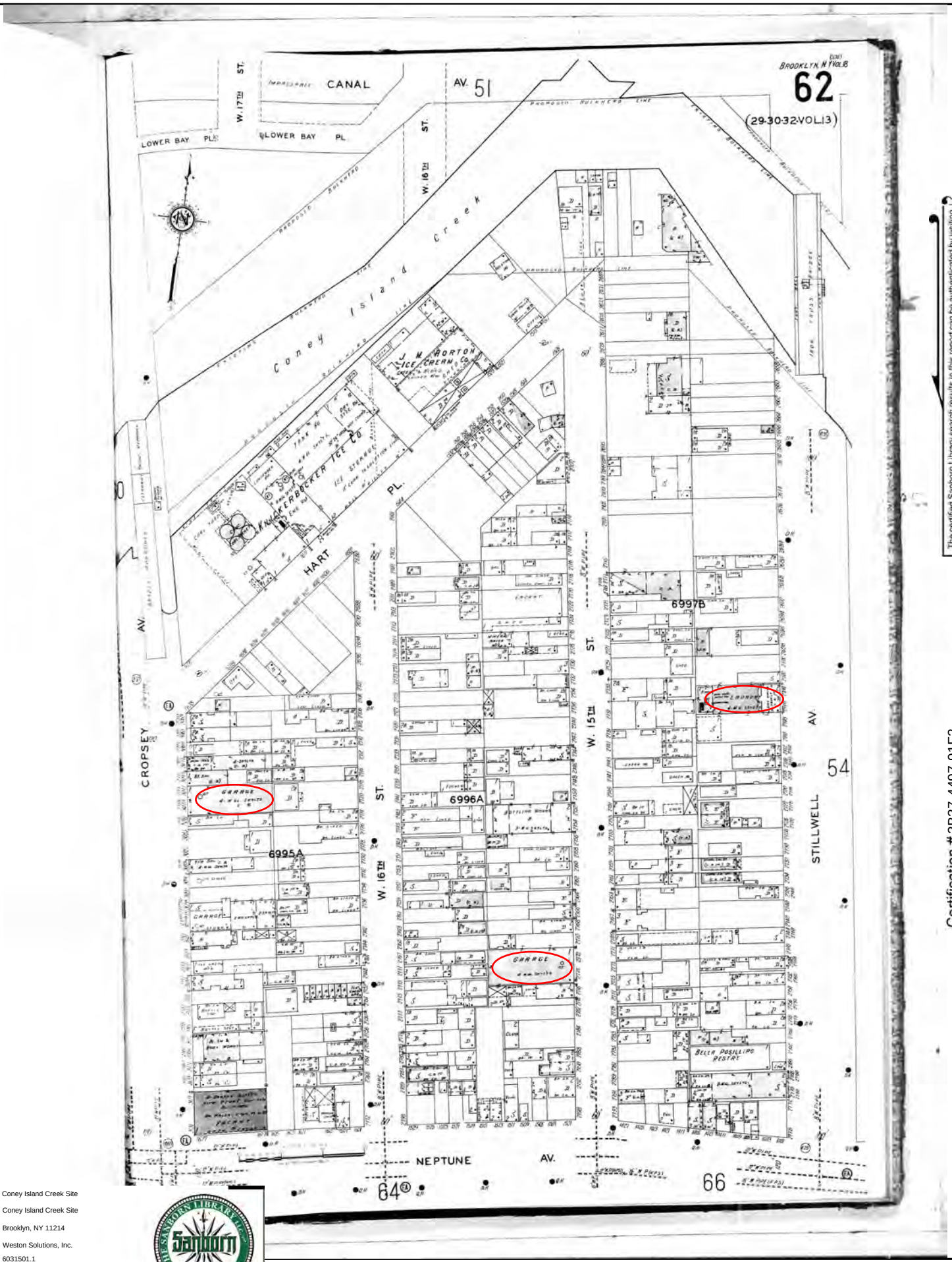

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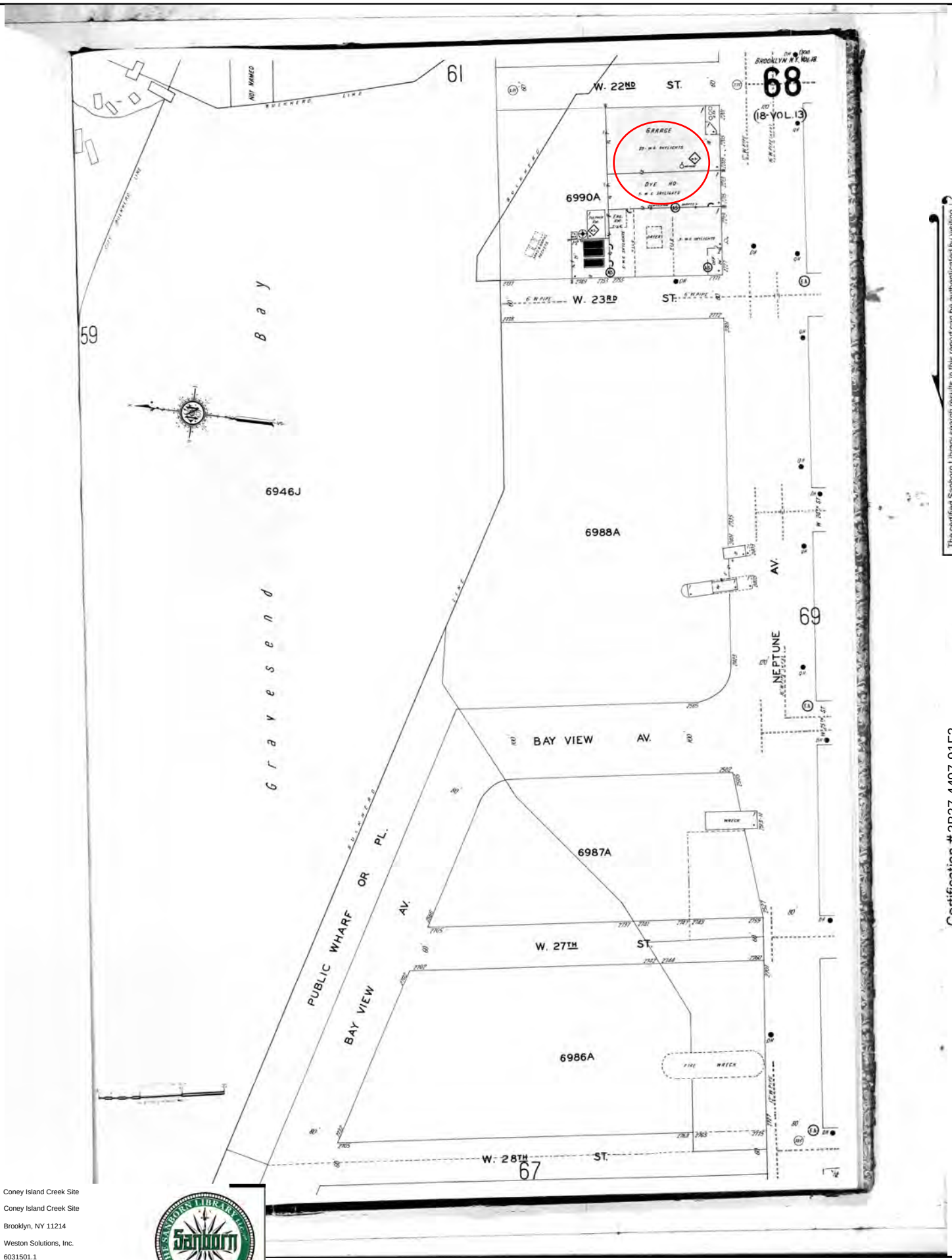

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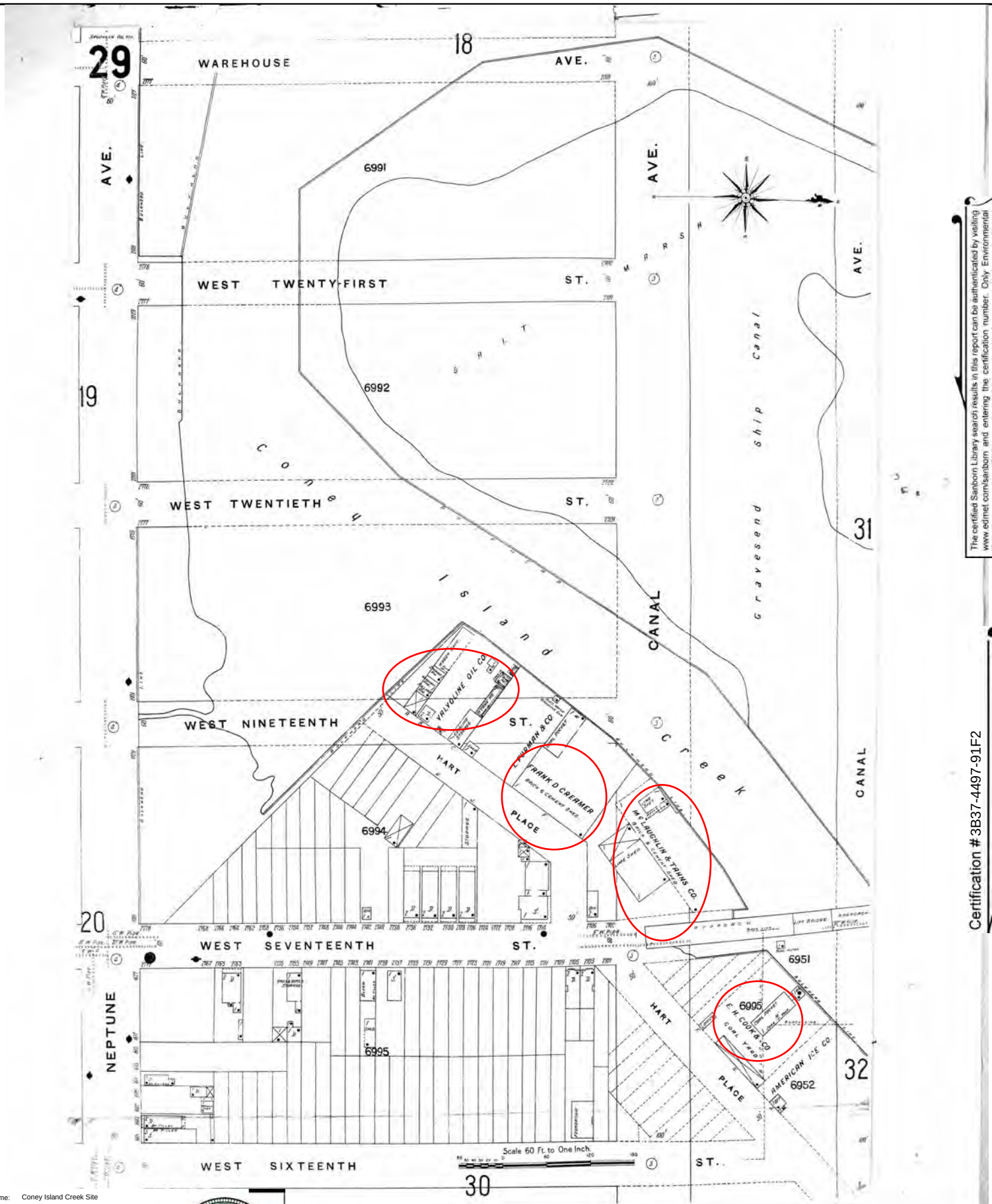

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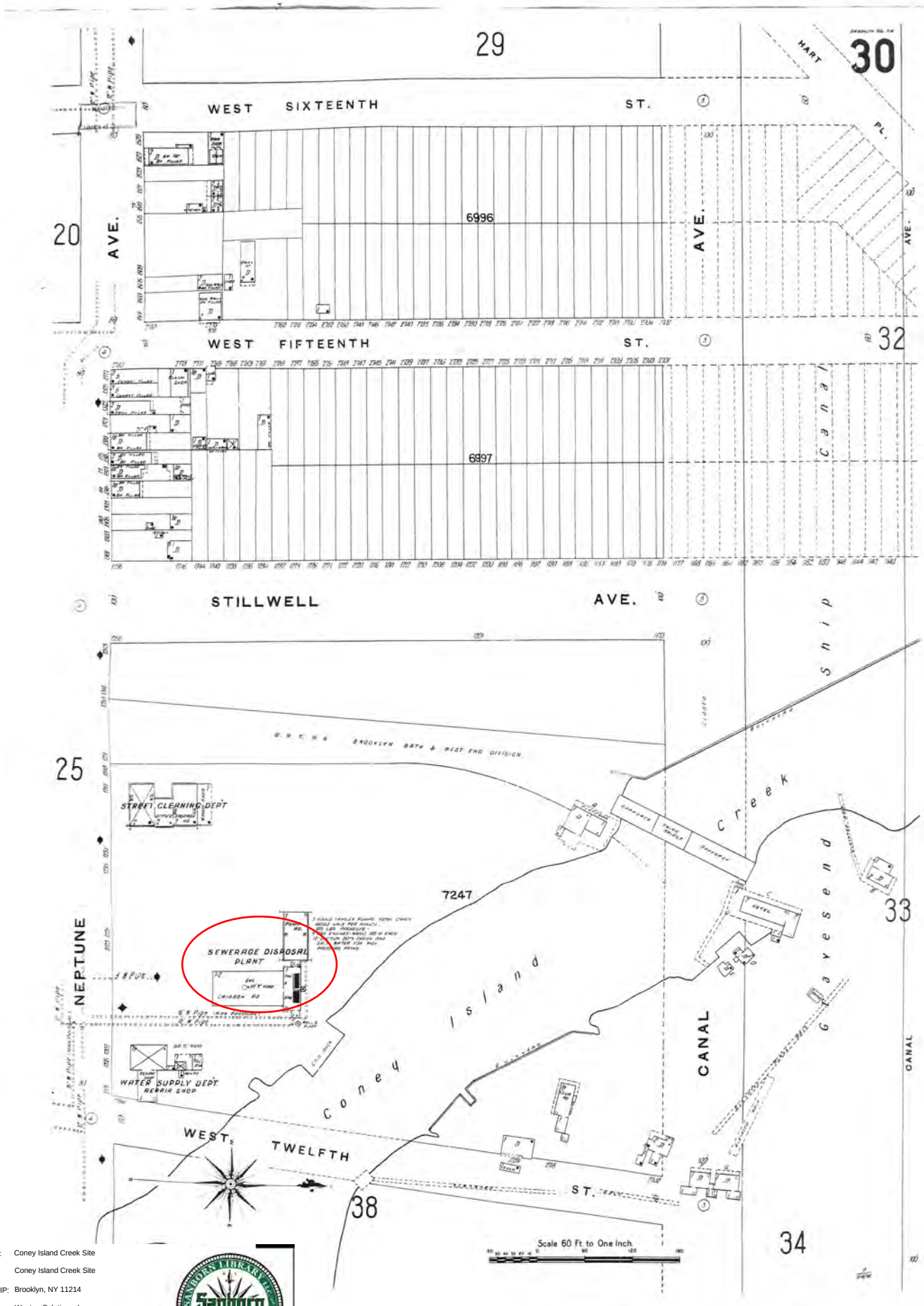

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Certification # 3B37-4497-91F2

Site Name: Coney Island Creek Site
Address: Coney Island Creek Site
City, ST, ZIP: Brooklyn, NY 11214
Client: Weston Solutions, Inc.
EDR Inquiry: 6031501.1
Order Date: 04/07/2020
Certification #: 3B37-4497-91F2
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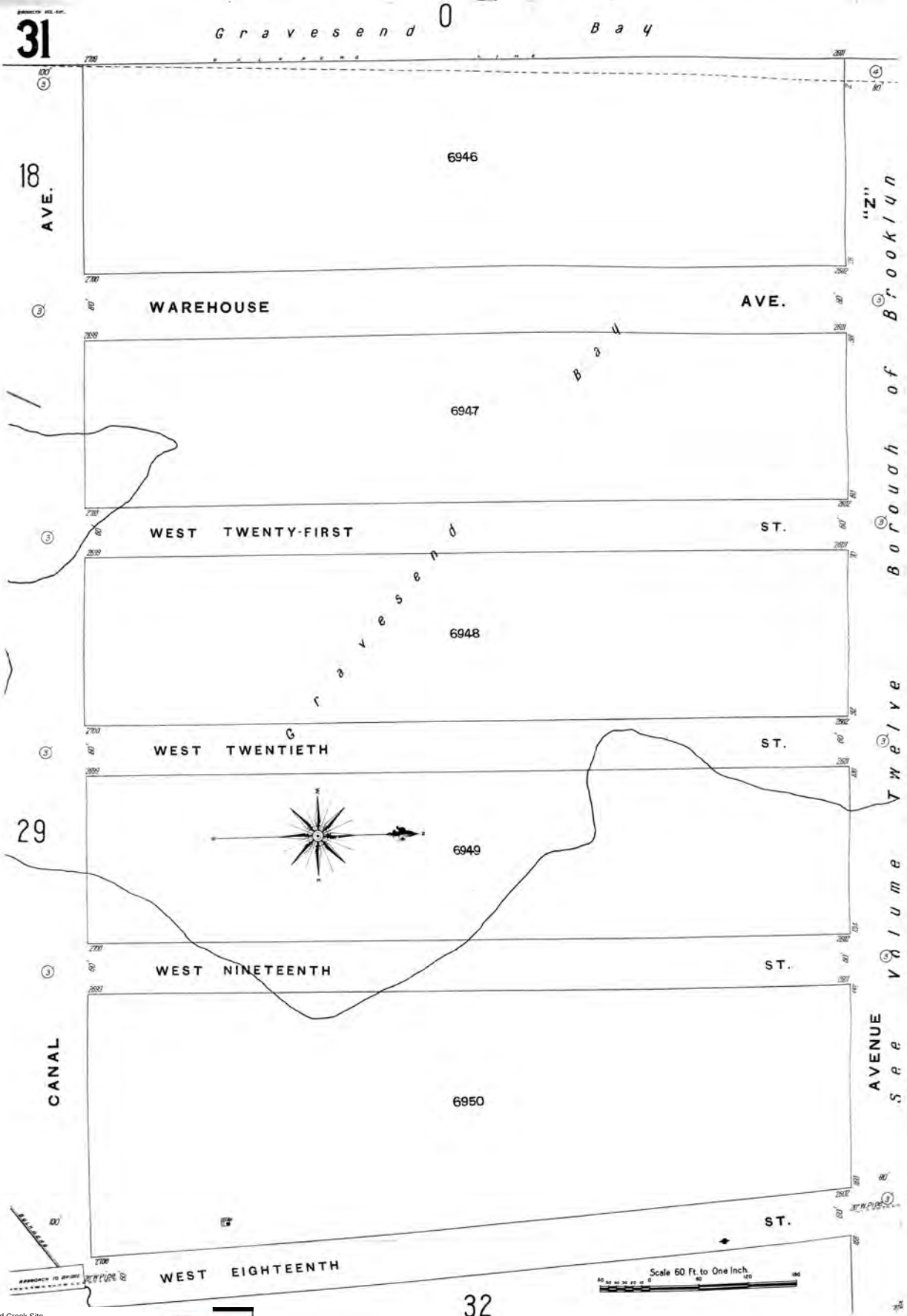

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Order Date: 04/07/2020
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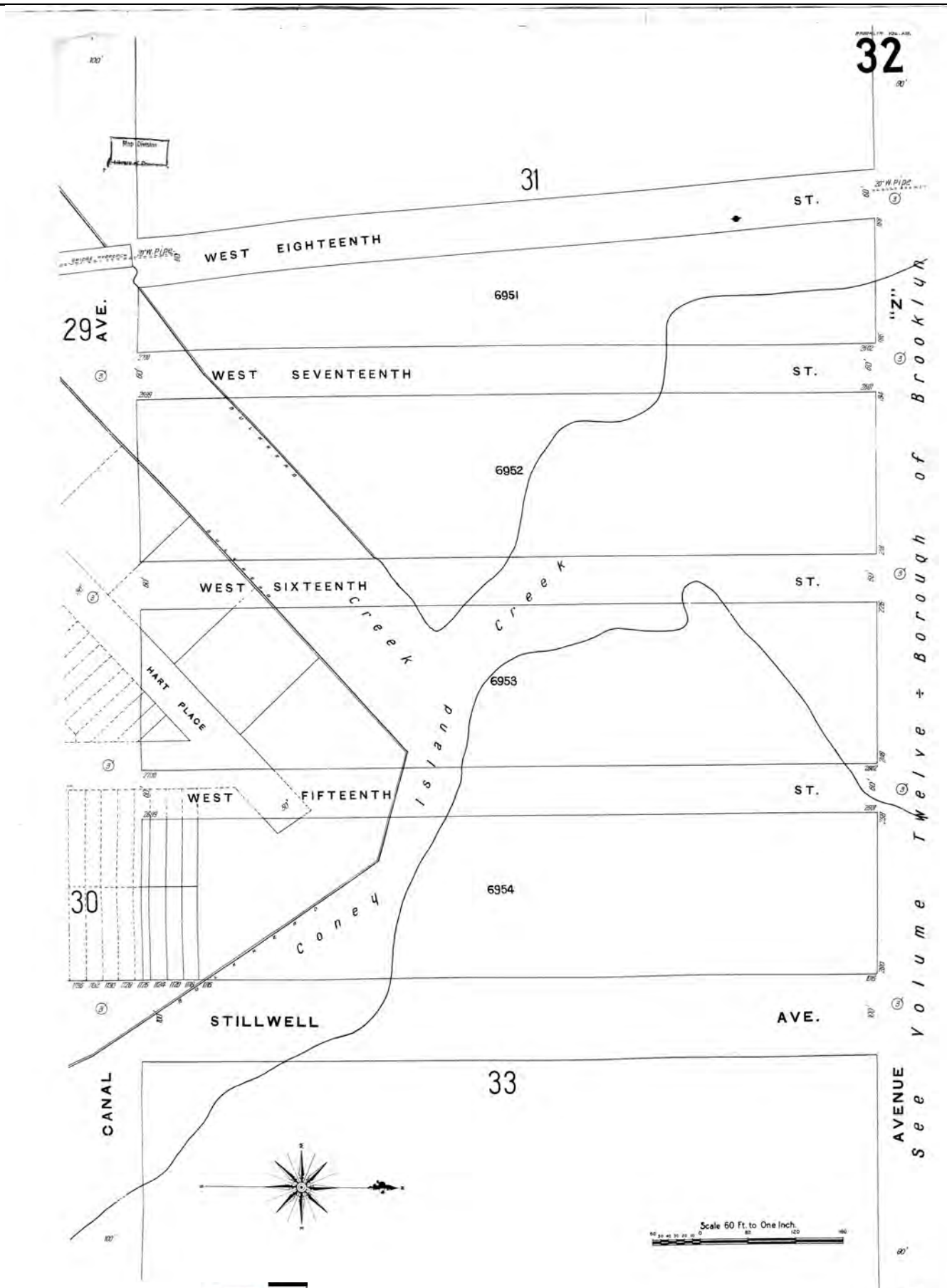

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City, ST, ZIP: Brooklyn, NY 11214
Client: Weston Solutions, Inc.
EDR Inquiry: 6031501.1
Order Date: 04/07/2020
Certification # 3B37-4497-91F2
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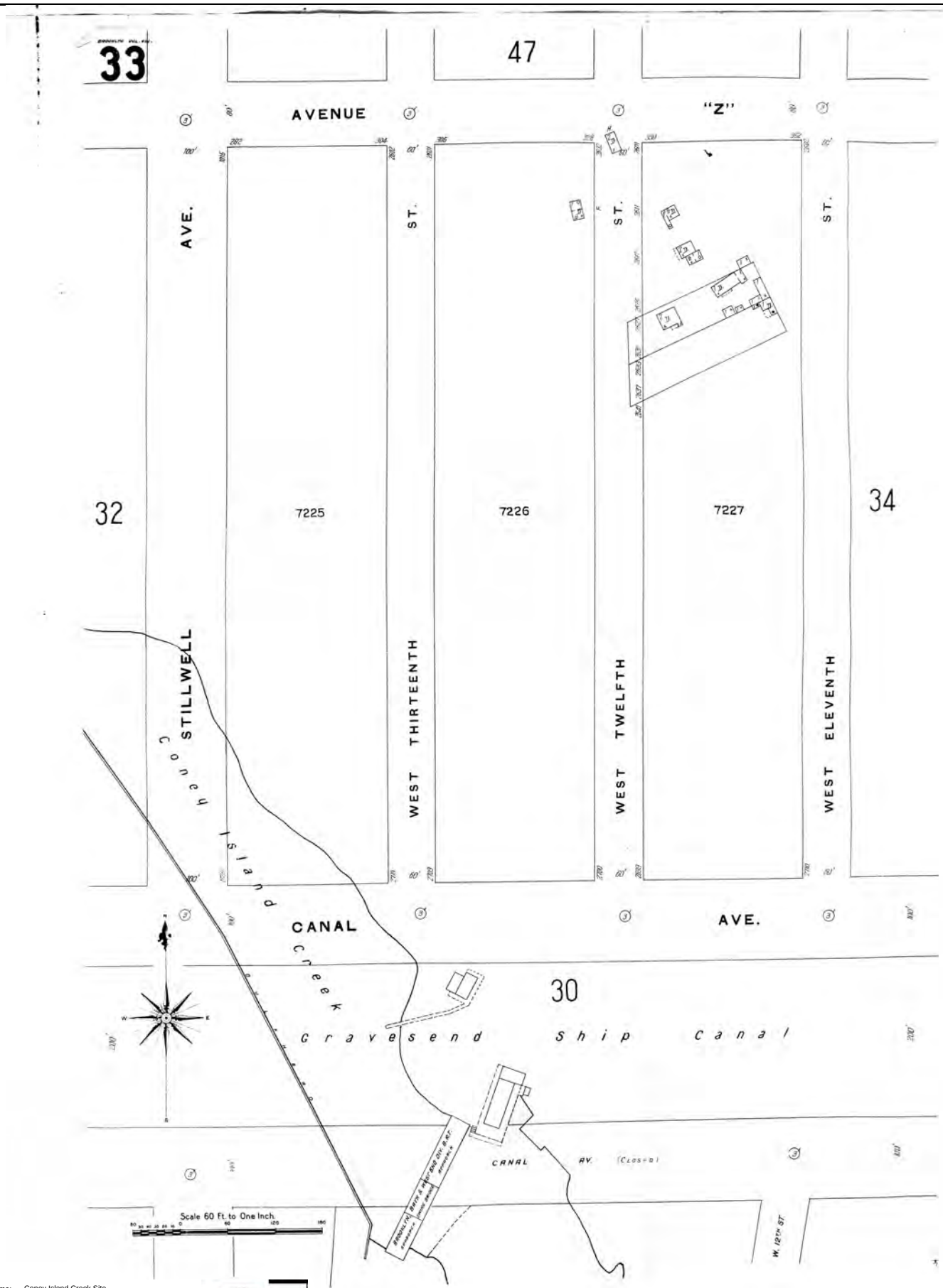

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EDR Inquiry: 6031501.1
Order Date: 04/07/2020
Certification #: 3B37-4497-91F2
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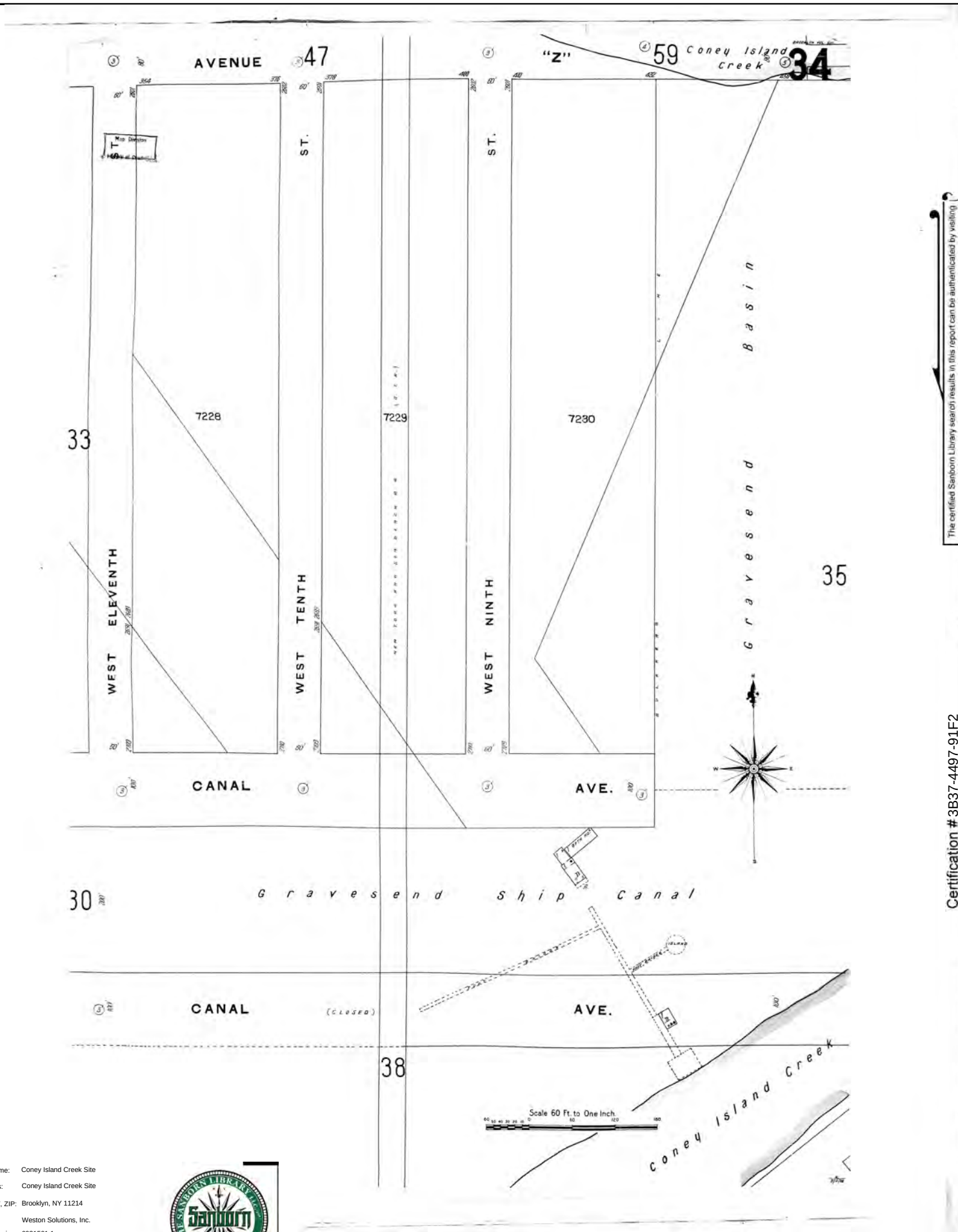

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EDR Inquiry: 6031501.1
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Certification #: 3B37-4497-91F2
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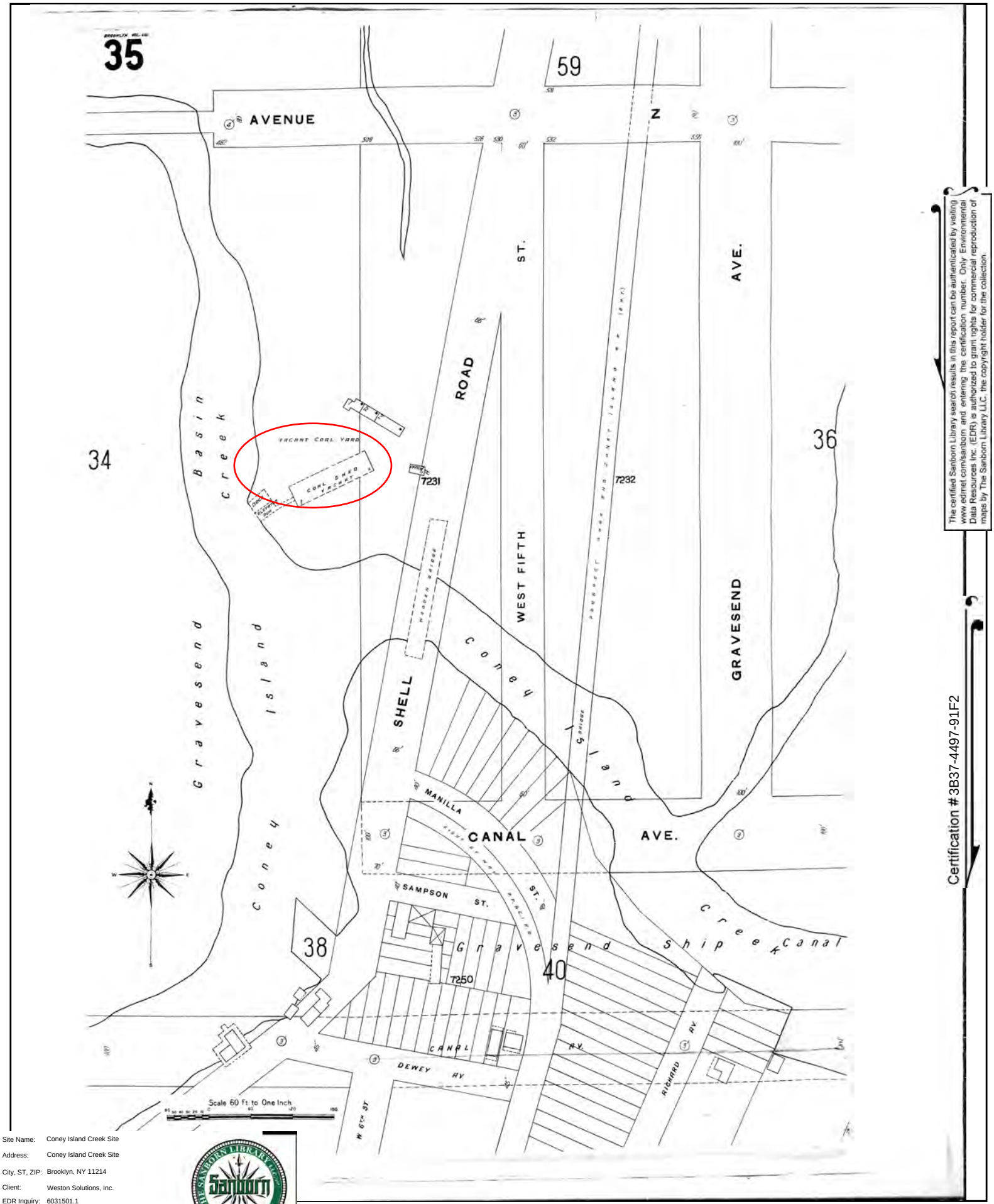

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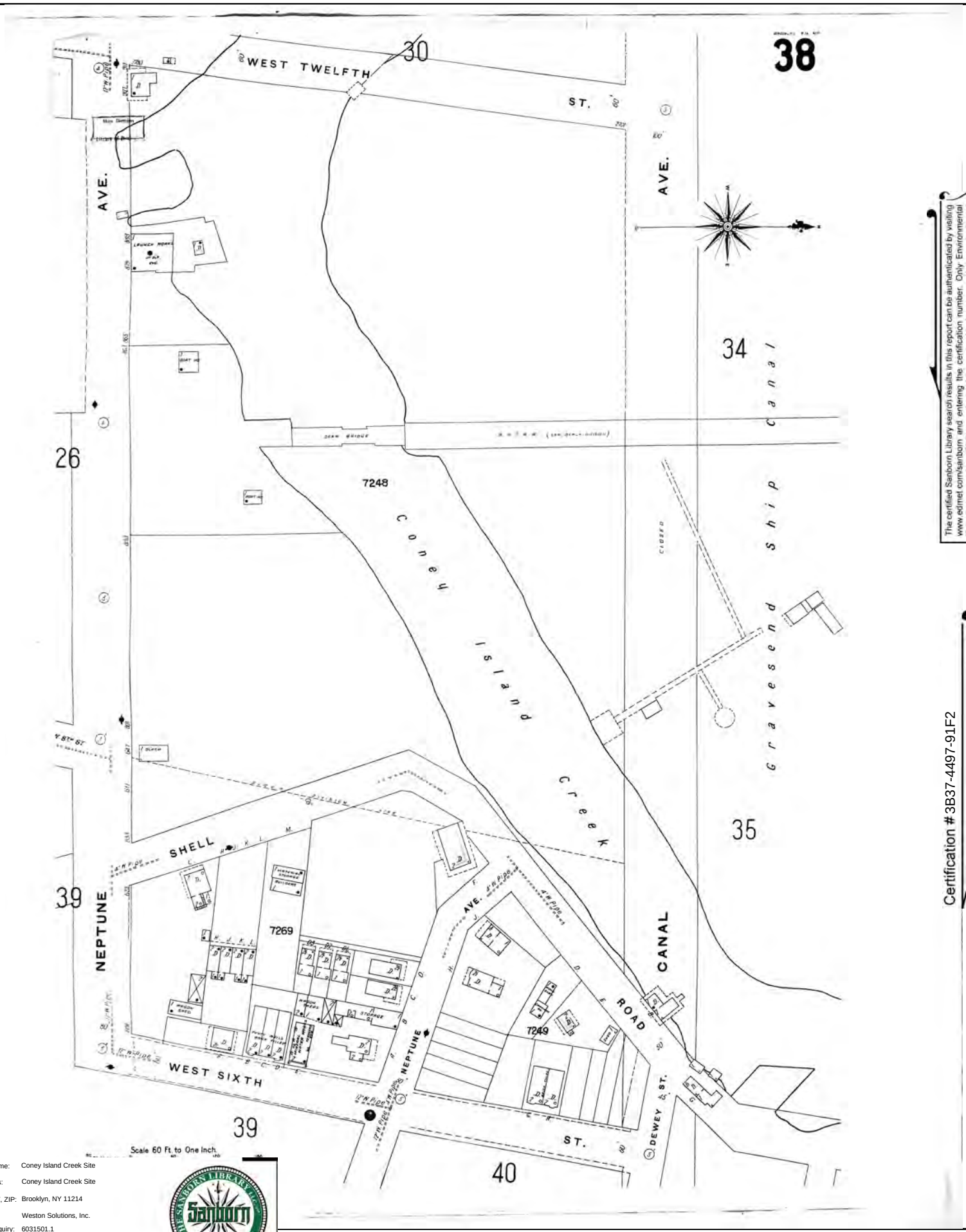
Certification # 3B37-4497-91F2

Site Name:	Coney Island Creek Site
Address:	Coney Island Creek Site
City, ST, ZIP:	Brooklyn, NY 11214
Client:	Weston Solutions, Inc.
EDR Inquiry:	6031501.1
Order Date:	04/07/2020
Certification #	3B37-4497-91F2
Copyright	1906



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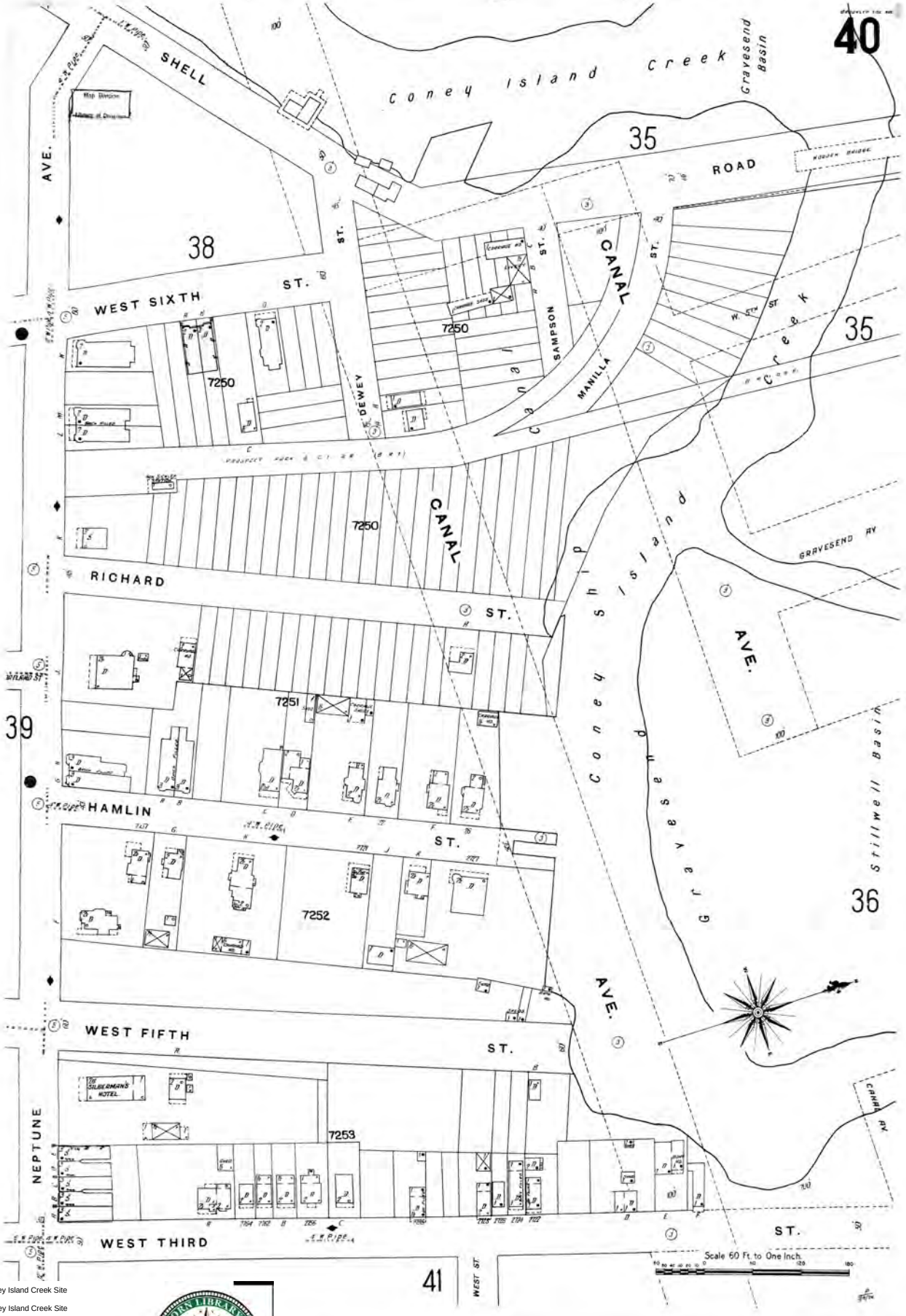
Certification # 3B37-4497-91F2

Site Name:	Coney Island Creek Site
Address:	Coney Island Creek Site
City, ST, ZIP:	Brooklyn, NY 11214
Client:	Weston Solutions, Inc.
EDR Inquiry:	6031501.1
Order Date:	04/07/2020
Certification #	3B37-4497-91F2
Copyright	1906



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EDR Inquiry: 6031501.1
Order Date: 04/07/2020
Certification #: 3B37-4497-91F2
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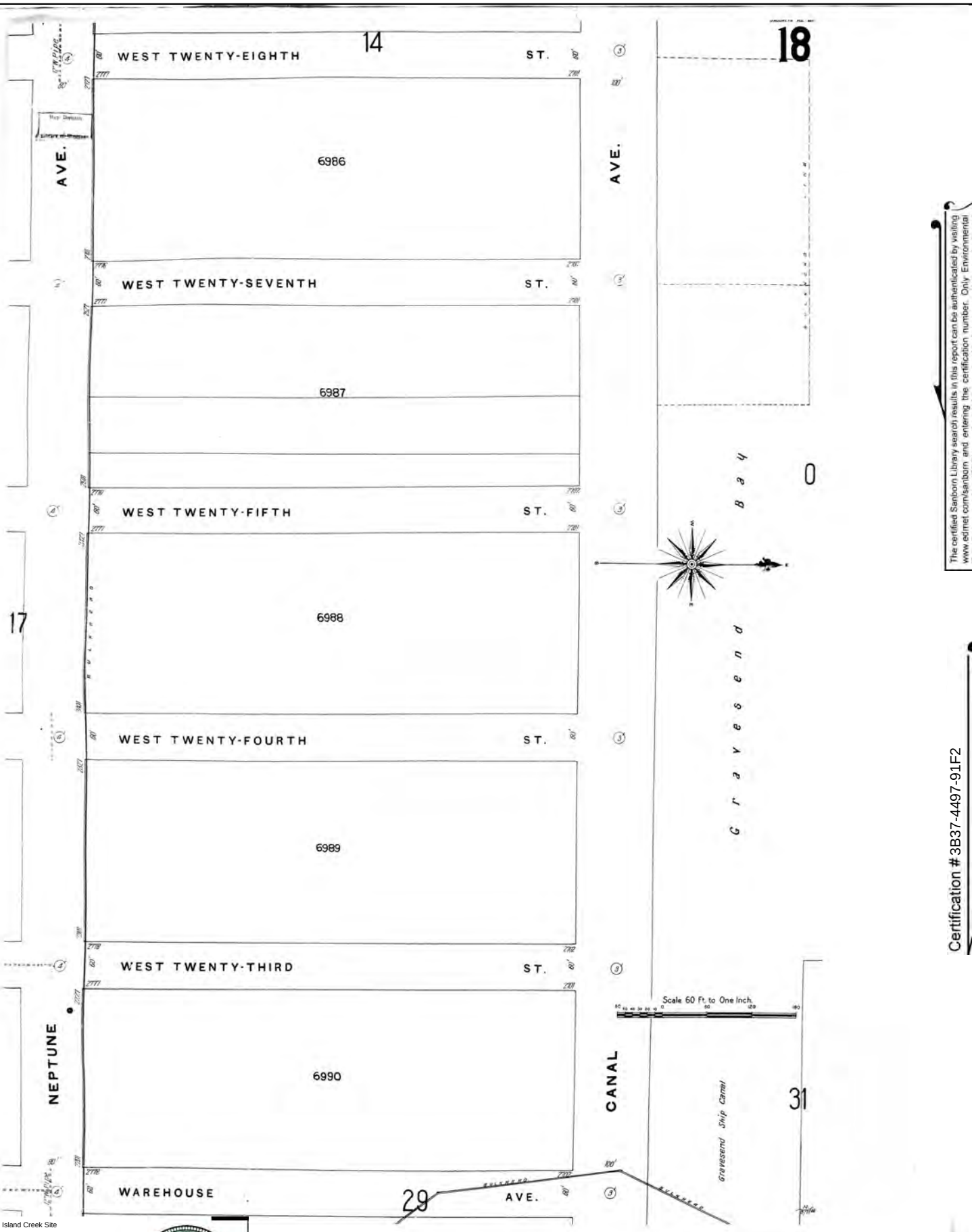

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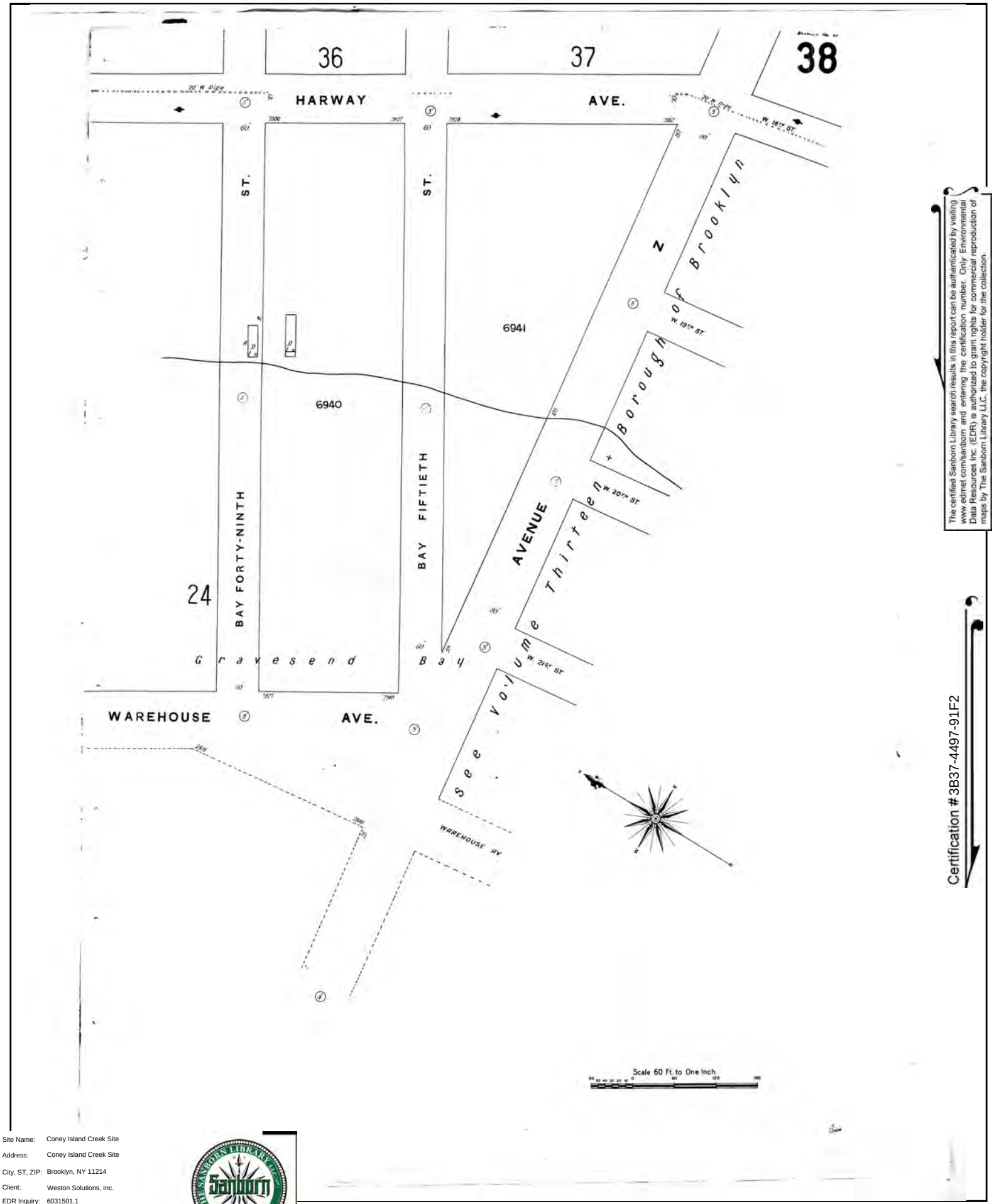

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Client: Weston Solutions, Inc.
EDR Inquiry: 6031501.1
Order Date: 04/07/2020
Certification #: 3B37-4497-91F2
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PROJECT NOTE	WESTON SOLUTIONS, INC.
To: Site File	**Date:** September 24, 2020
From: Caroline Tuero, Weston Solutions, Inc.	
Subject: Coney Island Creek Analytical Data	

WESTON received and reviewed the attached documentation from the EPA Remedial Project Manager for the Newtown Creek Superfund Site in August 2020. The documents provide information regarding existing sediment sampling data for Coney Island Creek.

Table B7-1 summarizes that eight sediment samples were collected in October 2012 from Coney Island Creek from depths ranging from 0 to 15 cm below the sediment surface.

Figure 2-4 provides a map of Coney Island Creek showing the eight sampling locations.

WESTON received and reviewed the excel database for the analytical results of the October 2012 Coney Island Creek sampling. Detection of analytes above the method detection limit for the eight creek samples are attached. The analytical results show the presence of polycyclic aromatic hydrocarbons (PAHs), metals, volatile organic compounds, and pesticides in the creek sediment samples.

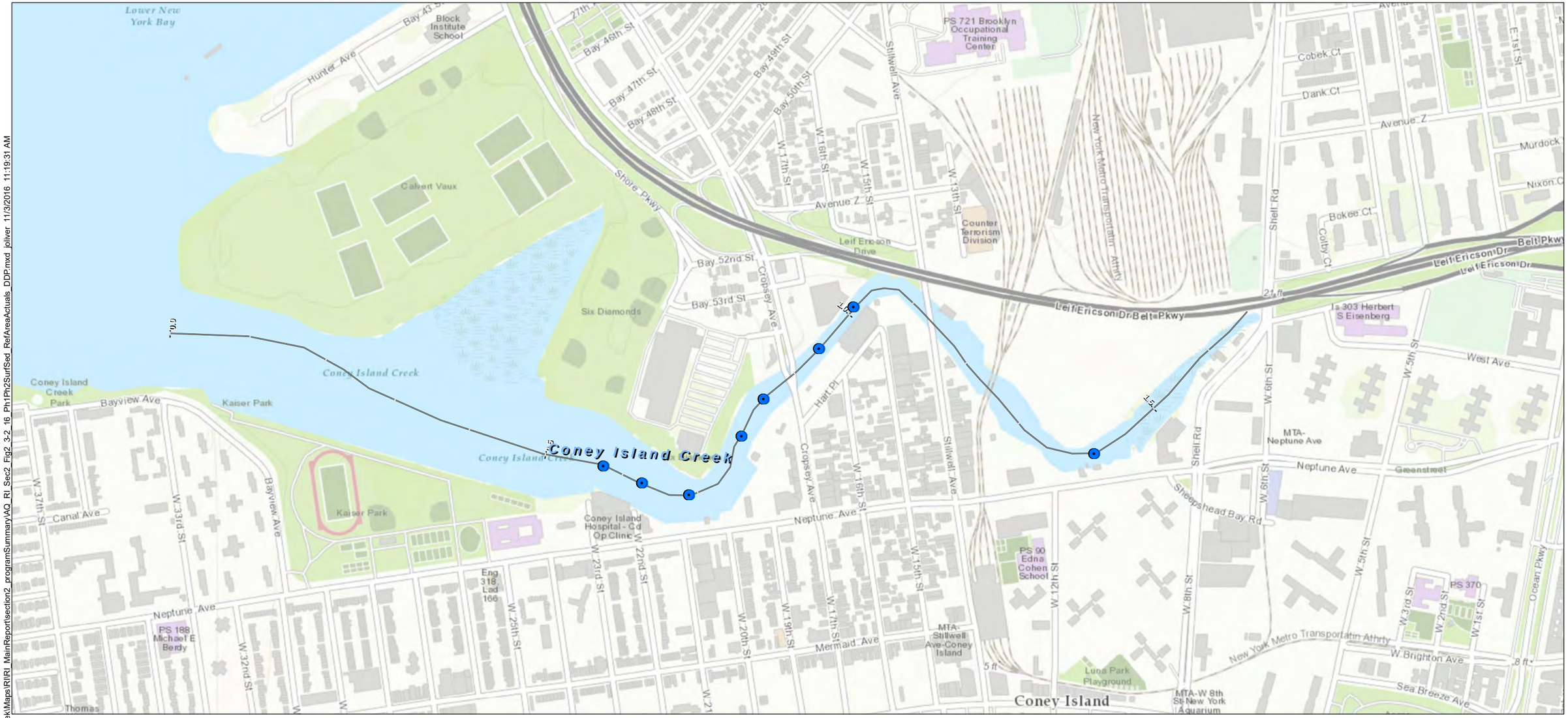
Caroline Tuero
Associate Project Scientist

Table B7-1
Candidate Reference Area Surface Sediment Grab Observation Summary

Candidate Area	Station ID[1]	Date Collected	Recovery Depth (cm)	Depth Interval (cm)	Field Observations of Samples[2]						PID (ppm)	Grab Quality Notes, Number of Attempts
					Moisture, Density, Color	Sediment Type	Biota	Organic Matter and Anthropogenic Material/Debris[3]	Odor	Sheen		
CONEY ISLAND CREEK	CI001SG	10/13/2012	27	0-1	Very wet, very soft, dark olive brown	SILT, trace vf-sand	None	Substantial organic matter (leaf litter, twigs up to 34 cm in length, hair-like fibers, decomposing plant matter); substantial anthropogenic debris (plastic bags, aluminum foil, plastic wrappers, coffee lids)	Strong H2S-like odor	Trace metallic sheen florets	0.0	FSAP parameters met; first attempt accepted
				1-15	Very wet, very soft, black	SILT, trace vf-sand	None	Substantial organic matter (leaf litter, twigs up to 34 cm in length, hair-like fibers, decomposing plant matter); substantial anthropogenic debris (plastic bags, aluminum foil, plastic wrappers, coffee lids)				
	CI002SG	10/13/2012	25	0-15	Wet, very soft, black	SILT, trace vf-f sand	None	Moderate organic matter (leaf litter, twigs, decomposing plant matter); moderate anthropogenic debris (pieces of plastic bags, plastic threads)	Strong H2S-like odor	Trace metallic sheen florets	0.0	FSAP parameters met; first attempt accepted
	CI003SG	10/13/2012	23	0-15	Wet, very soft, black	Slightly f-sandy, SILT	None	Substantial organic matter (leaf litter, decomposing plant matter, hair-like fibers, shell fragments); moderate anthropogenic debris (cloth rags, plastic, glass pieces, rubber pieces up to 1 cm in length)	Strong H2S-like odor, trace septic-like odor	None	0.0	FSAP parameters met; first attempt accepted
	CI004SG	10/13/2012	26	0-15	Wet, very soft, black	SILT, trace vf-sand	None	Substantial organic matter (leaf litter, decomposing leaves, twigs, hair-like fibers); substantial anthropogenic debris (cloth rags, plastic bags, plastic strips)	Strong H2S-like odor, strong septic-like odor	None	1.2	FSAP parameters met; first attempt accepted
	CI005SG	10/13/2012	16	0-15	Wet, soft, black	f-m sandy, SILT with moderate pockets of wet, loose, black, slightly silty, F-M SAND	None	Moderate organic matter (shell fragments, decomposing leaves, twigs, shells up to 7 cm in length); substantial anthropogenic debris (cloth rags, broken glass bottle, plastic wrappers, wood stake)	None	None	1.6	FSAP parameters met; first attempt accepted
	CI006SG	10/13/2012	15	0-15	Wet, loose, dark gray	VF-M SAND, trace silt	None	Occasional organic matter (shell fragments, decomposing leaves, twigs up to 9 cm in length, hair-like fibers, pistachio shell); trace anthropogenic debris (candy wrapper)	Trace septic-like odor	None	0.0	FSAP parameters met; first attempt accepted
	CI007SG	10/13/2012	15	0-15	Wet, loose, black	F-SAND with occasional pockets up to 4 cm of silty, F-SAND	None	Moderate organic matter (decomposing leaves, twigs up to 11 cm in length, shell fragments, hair-like fibers); moderate anthropogenic debris (rubber pieces up to 5 cm in length, cloth rags, plastic pieces)	Moderate H2S-like odor, slight septic-like smell	None	0.4	FSAP parameters met; first attempt accepted
	CI008SG	10/18/2012	15	0-7	Wet, very soft, black	Slightly f-m sandy, SILT	None	Substantial organic matter (twigs up to 14 cm in length, hair-like fibers, decomposing leaves, leaf litter); trace anthropogenic debris (plastic wrappers, fishing line)	Slight H2S-like odor	Trace rainbow sheen florets	0.0	FSAP parameters met; first attempt accepted
				7-15	Wet, very loose, dark gray	silty, F-M SAND, trace f-gravel	None	Occasional organic matter (decomposing leaves)		None		

DRAFT

Q:\Jobs\110782-01_NewTownCreek\Maps\RIRI_MainReportSection2_programSummary\AQ_RI_Sec2_Fig2_3-2_16_Ph1Ph2SurfSed_RefAreaActuals_DDP.mxd jolliver 11/3/2016 11:19:31 AM



Surface Sediment Sampling Station

- Phase 1

Notes:
1. The reference area extent shown is approximate and sampling stations shown are actual coordinates below the ordinary high water mark.
2. Aerial imagery acquired from New York State Division of Homeland Security and Emergency Services (2014).
3. Creek or river mile hatches are shown every tenth mile.

Feet
0 500 1,000



Figure 2-4
Phase 1 Reference Area – Coney Island Creek Sampling Stations
Remedial Investigation Report
Newtown Creek RI/FS

sample_name	sample_date	start_depth	end_depth	depth_unit	dilution_factor	chemical_name	report_result_value	report_result_unit	validator_qualifiers	longitude	latitude
CI005SG-000015-20121013	10/13/2012	0	15	cm	5	1,1'-Biphenyl	47	ug/kg	J	-73.986505	40.581087
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	1,4-Dichlorobenzene	2.3	ug/kg	J	-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	1,4-Dichlorobenzene	1.7	ug/kg	J	-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	1,4-Dichlorobenzene	4	ug/kg	J	-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	1,4-Dichlorobenzene	6.1	ug/kg	J	-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	1,4-Dichlorobenzene	0.57	ug/kg	J	-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	1,4-Dichlorobenzene	3.6	ug/kg	J	-73.98437	40.58275
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	1,4-Dichlorobenzene	7.2	ug/kg	J	-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	1-Methyldibenzothiophene	60.9	ug/kg	J	-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	1-Methyldibenzothiophene	57.7	ug/kg	J	-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	1-Methyldibenzothiophene	53.6	ug/kg	J	-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	1-Methyldibenzothiophene	247	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	1-Methyldibenzothiophene	3	ug/kg	J	-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	1-Methyldibenzothiophene	18.9	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	1-Methyldibenzothiophene	12.2	ug/kg	J	-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	1-Methyldibenzothiophene	51.3	ug/kg	J	-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	1-Methylnaphthalene	107	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	1-Methylnaphthalene	105	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	1-Methylnaphthalene	83.2	ug/kg	J	-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	1-Methylnaphthalene	1060	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	1-Methylnaphthalene	8.6	ug/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	1-Methylnaphthalene	58.2	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	1-Methylnaphthalene	31.4	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	1-Methylnaphthalene	93	ug/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	1-Methylphenanthrene	419	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	1-Methylphenanthrene	429	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	1-Methylphenanthrene	303	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	1-Methylphenanthrene	3000	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	1-Methylphenanthrene	9.52	ug/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	1-Methylphenanthrene	221	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	1-Methylphenanthrene	82.3	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	1-Methylphenanthrene	283	ug/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	2,3,5-Trimethylnaphthalene	92.4	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	2,3,5-Trimethylnaphthalene	65.3	ug/kg	J	-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	2,3,5-Trimethylnaphthalene	45	ug/kg	J	-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	2,3,5-Trimethylnaphthalene	267	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	2,3,5-Trimethylnaphthalene	3.26	ug/kg	J	-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	2,3,5-Trimethylnaphthalene	27.2	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	2,3,5-Trimethylnaphthalene	18.1	ug/kg	J	-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	2,3,5-Trimethylnaphthalene	109	ug/kg		-73.990296	40.579879
CI003SG-000015-20121013	10/13/2012	0	15	cm	20	2,4-DB	28	ug/kg	J	-73.988264	40.57936
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	2,4'-DDD	25.8	ug/kg		-73.989386	40.579577
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	2,4'-DDD	1.71	ug/kg		-73.985191	40.581998
CI002SG-000015-20121013	10/13/2012	0	15	cm	40	2,4'-DDD	20	ug/kg	J	-73.989386	40.579577
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CI007SG-000015-20121013	10/13/2012	0	15	cm	40	2,4'-DDD	8.6	ug/kg	J	-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	40	2,4'-DDD	9.2	ug/kg	J	-73.978669	40.580102
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	2,4'-DDE	1.89	ug/kg		-73.989386	40.579577
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	2,4'-DDE	0.14	ug/kg	J	-73.985191	40.581998
CI001SG-000015-20121013	10/13/2012	0	15	cm	10	2,4'-DDE	1.5	ug/kg	J	-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	10	2,4'-DDE	1.9	ug/kg	J	-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	10	2,4'-DDE	1.8	ug/kg	J	-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	10	2,4'-DDE	1.5	ug/kg	J	-73.987025	40.580419

sample_name	sample_date	start_depth	end_depth	depth_unit	dilution_factor	chemical_name	report_result_value	report_result_unit	validator_qualifiers	longitude	latitude
CI005SG-000015-20121013	10/13/2012	0	15	cm	10	2,4'-DDE	0.75	ug/kg	J	-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	10	2,4'-DDE	0.13	ug/kg	J	-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	10	2,4'-DDE	0.25	ug/kg	J	-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	10	2,4'-DDE	0.5	ug/kg	J	-73.978669	40.580102
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	2,4'-DDT	1.39	ug/kg		-73.989386	40.579577
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	2,4'-DDT	0.19	ug/kg	J	-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	40	2,4'-DDT	0.9	ug/kg	J	-73.98437	40.58275
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	2,6,10-Trimethyltridecane (1470)	1.89	mg/kg	J	-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	2,6,10-Trimethyltridecane (1470)	1.81	mg/kg	J	-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	2,6,10-Trimethyltridecane (1470)	1.85	mg/kg	J	-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	2,6,10-Trimethyltridecane (1470)	2.42	mg/kg	J	-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	2,6,10-Trimethyltridecane (1470)	2.38	mg/kg	J	-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	2,6,10-Trimethyltridecane (1470)	0.068	mg/kg	J	-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	2,6,10-Trimethyltridecane (1470)	0.382	mg/kg	J	-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	2,6,10-Trimethyltridecane (1470)	0.398	mg/kg	J	-73.978669	40.580102
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	2,6-Dimethylnaphthalene	204	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	2,6-Dimethylnaphthalene	181	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	2,6-Dimethylnaphthalene	136	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	2,6-Dimethylnaphthalene	1110	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	2,6-Dimethylnaphthalene	16.4	ug/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	2,6-Dimethylnaphthalene	69.2	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	2,6-Dimethylnaphthalene	54.5	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	2,6-Dimethylnaphthalene	212	ug/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	2-Butanone	93	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	2-Butanone	47	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	2-Butanone	120	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	2-Butanone	28	ug/kg		-73.986505	40.581087
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	2-Butanone	12	ug/kg	J	-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	2-Butanone	24	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	2-Butanone	110	ug/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	2-Methylanthracene	132	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	2-Methylanthracene	155	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	2-Methylanthracene	95.9	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	2-Methylanthracene	1110	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	2-Methylanthracene	3.44	ug/kg	J	-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	2-Methylanthracene	78.7	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	2-Methylanthracene	40.1	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	2-Methylanthracene	101	ug/kg		-73.990296	40.579879
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	2-Methyldibenzothiophene & 3-Methyldibenzothiophene	58.4	ug/kg	J	-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	2-Methyldibenzothiophene & 3-Methyldibenzothiophene	69.8	ug/kg	J	-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	2-Methyldibenzothiophene & 3-Methyldibenzothiophene	73.3	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	2-Methyldibenzothiophene & 3-Methyldibenzothiophene	43.7	ug/kg	J	-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	2-Methyldibenzothiophene & 3-Methyldibenzothiophene	642	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	2-Methyldibenzothiophene & 3-Methyldibenzothiophene	1.99	ug/kg	J	-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	2-Methyldibenzothiophene & 3-Methyldibenzothiophene	27.7	ug/kg		-73.98437	40.58275
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	2-Methylnaphthalene	187	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	2-Methylnaphthalene	172	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	2-Methylnaphthalene	146	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	2-Methylnaphthalene	1240	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	2-Methylnaphthalene	15.3	ug/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	2-Methylnaphthalene	74.4	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	2-Methylnaphthalene	49.5	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	5	2-Methylnaphthalene	64	ug/kg	J	-73.990296	40.579879

sample_name	sample_date	start_depth	end_depth	depth_unit	dilution_factor	chemical_name	report_result_value	report_result_unit	validator_qualifiers	longitude	latitude
CI002SG-000015-20121013	10/13/2012	0	15	cm	5	2-Methylnaphthalene	76	ug/kg	J	-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	5	2-Methylnaphthalene	180	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	5	2-Methylnaphthalene	54	ug/kg	J	-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	5	2-Methylnaphthalene	220	ug/kg		-73.986505	40.581087
CI007SG-000015-20121013	10/13/2012	0	15	cm	5	2-Methylnaphthalene	24	ug/kg	J	-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	5	2-Methylnaphthalene	34	ug/kg	J	-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	2-Methylnaphthalene	154	ug/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	2-methylphenanthrene	409	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	2-methylphenanthrene	429	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	2-methylphenanthrene	400	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	2-methylphenanthrene	3690	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	2-methylphenanthrene	9.99	ug/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	2-methylphenanthrene	241	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	2-methylphenanthrene	80.1	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	2-methylphenanthrene	245	ug/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	4,4'-DDD	73.1	ug/kg		-73.989386	40.579577
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	4,4'-DDD	5.02	ug/kg		-73.985191	40.581998
CI001SG-000015-20121013	10/13/2012	0	15	cm	40	4,4'-DDD	40	ug/kg	J	-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	40	4,4'-DDD	43	ug/kg	J	-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	40	4,4'-DDD	40	ug/kg	J	-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	40	4,4'-DDD	20	ug/kg	J	-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	40	4,4'-DDD	31	ug/kg	J	-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	40	4,4'-DDD	5.6	ug/kg	J	-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	40	4,4'-DDD	25	ug/kg	J	-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	40	4,4'-DDD	22	ug/kg	J	-73.978669	40.580102
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	4,4'-DDE	34.7	ug/kg		-73.989386	40.579577
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	4,4'-DDE	1.79	ug/kg		-73.985191	40.581998
CI001SG-000015-20121013	10/13/2012	0	15	cm	10	4,4'-DDE	16	ug/kg	J	-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	10	4,4'-DDE	17	ug/kg	J	-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	10	4,4'-DDE	18	ug/kg	J	-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	10	4,4'-DDE	13	ug/kg	J	-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	10	4,4'-DDE	9.9	ug/kg	J	-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	10	4,4'-DDE	1.4	ug/kg	J	-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	10	4,4'-DDE	11	ug/kg	J	-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	10	4,4'-DDE	6.1	ug/kg	J	-73.978669	40.580102
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	4,4'-DDT	5.41	ug/kg		-73.989386	40.579577
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	4,4'-DDT	0.26	ug/kg	J	-73.985191	40.581998
CI001SG-000015-20121013	10/13/2012	0	15	cm	10	4,4'-DDT	7.2	ug/kg	J	-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	10	4,4'-DDT	44	ug/kg	J	-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	10	4,4'-DDT	5.5	ug/kg	J	-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	10	4,4'-DDT	8.6	ug/kg	J	-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	10	4,4'-DDT	5.1	ug/kg	J	-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	10	4,4'-DDT	0.31	ug/kg	J	-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	10	4,4'-DDT	26	ug/kg	J	-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	10	4,4'-DDT	1.4	ug/kg	J	-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	5	4-Chloroaniline	270	ug/kg	J	-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	5	4-Chloroaniline	290	ug/kg	J	-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	5	4-Chloroaniline	270	ug/kg	J	-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	5	4-Chloroaniline	260	ug/kg	J	-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	5	4-Chloroaniline	140	ug/kg	J	-73.986505	40.581087
CI007SG-000015-20121013	10/13/2012	0	15	cm	5	4-Chloroaniline	52	ug/kg	J	-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	5	4-Chloroaniline	66	ug/kg	J	-73.978669	40.580102
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	4-Methyl-2-pentanone	8.4	ug/kg	J	-73.987025	40.580419

sample_name	sample_date	start_depth	end_depth	depth_unit	dilution_factor	chemical_name	report_result_value	report_result_unit	validator_qualifiers	longitude	latitude
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	4-Methyldibenzothiophene	143	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	4-Methyldibenzothiophene	147	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	4-Methyldibenzothiophene	91.5	ug/kg	J	-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	4-Methyldibenzothiophene	549	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	4-Methyldibenzothiophene	4.2	ug/kg	J	-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	4-Methyldibenzothiophene	41.7	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	4-Methyldibenzothiophene	30.5	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	4-Methyldibenzothiophene	133	ug/kg		-73.990296	40.579879
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	4-Methylphenanthrene & 9-Methylphenanthrene	280	ug/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	4-Methylphenanthrene & 9-Methylphenanthrene	361	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	4-Methylphenanthrene & 9-Methylphenanthrene	384	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	4-Methylphenanthrene & 9-Methylphenanthrene	252	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	4-Methylphenanthrene & 9-Methylphenanthrene	2120	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	4-Methylphenanthrene & 9-Methylphenanthrene	8.46	ug/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	4-Methylphenanthrene & 9-Methylphenanthrene	172	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	4-Methylphenanthrene & 9-Methylphenanthrene	82.3	ug/kg		-73.978669	40.580102
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	Acenaphthene	260	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	Acenaphthene	325	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	Acenaphthene	179	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	Acenaphthene	4710	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	Acenaphthene	7	ug/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	Acenaphthene	237	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	Acenaphthene	82.4	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	5	Acenaphthene	130	ug/kg	J	-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	5	Acenaphthene	120	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	5	Acenaphthene	110	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	5	Acenaphthene	120	ug/kg	J	-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	5	Acenaphthene	430	ug/kg		-73.986505	40.581087
CI007SG-000015-20121013	10/13/2012	0	15	cm	5	Acenaphthene	39	ug/kg	J	-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	5	Acenaphthene	74	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	Acenaphthene	177	ug/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	Acenaphthylene	265	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	Acenaphthylene	290	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	Acenaphthylene	266	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	Acenaphthylene	422	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	Acenaphthylene	17.2	ug/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	Acenaphthylene	68.8	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	Acenaphthylene	115	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	5	Acenaphthylene	110	ug/kg	J	-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	5	Acenaphthylene	120	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	5	Acenaphthylene	92	ug/kg	J	-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	5	Acenaphthylene	110	ug/kg	J	-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	5	Acenaphthylene	110	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	5	Acenaphthylene	30	ug/kg	J	-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	5	Acenaphthylene	44	ug/kg	J	-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	5	Acenaphthylene	89	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	Acenaphthylene	210	ug/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	Acetone	380	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	Acetone	200	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	Acetone	480	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	Acetone	120	ug/kg		-73.986505	40.581087
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	Acetone	48	ug/kg	J	-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	Acetone	120	ug/kg		-73.978669	40.580102

sample_name	sample_date	start_depth	end_depth	depth_unit	dilution_factor	chemical_name	report_result_value	report_result_unit	validator_qualifiers	longitude	latitude
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	Acetone	470	ug/kg		-73.990296	40.579879
CI001SG-000015-20121013	10/13/2012	0	15	cm	5	Acetophenone	89	ug/kg	J	-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	5	Acetophenone	69	ug/kg	J	-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	5	Acetophenone	81	ug/kg	J	-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	5	Acetophenone	110	ug/kg	J	-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	5	Acetophenone	51	ug/kg	J	-73.986505	40.581087
CI008SG-000015-20121018	10/18/2012	0	15	cm	5	Acetophenone	87	ug/kg	J	-73.978669	40.580102
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	Aldrin	0.032	ug/kg	J	-73.985191	40.581998
CI001SG-000015-20121013	10/13/2012	0	15	cm	10	Aldrin	2.2	ug/kg	J	-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	10	Aldrin	2.1	ug/kg	J	-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	10	Aldrin	2.5	ug/kg	J	-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	10	Aldrin	1.2	ug/kg	J	-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	10	Aldrin	0.7	ug/kg	J	-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	10	Aldrin	0.1	ug/kg	J	-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	10	Aldrin	0.31	ug/kg	J	-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	10	Aldrin	0.26	ug/kg	J	-73.978669	40.580102
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	alpha-Chlordane	64	ug/kg		-73.989386	40.579577
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	alpha-Chlordane	2.73	ug/kg		-73.985191	40.581998
CI001SG-000015-20121013	10/13/2012	0	15	cm	40	alpha-Chlordane	36	ug/kg	J	-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	40	alpha-Chlordane	36	ug/kg	J	-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	40	alpha-Chlordane	36	ug/kg	J	-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	40	alpha-Chlordane	24	ug/kg	J	-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	40	alpha-Chlordane	76	ug/kg	J	-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	40	alpha-Chlordane	3.3	ug/kg	J	-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	40	alpha-Chlordane	11	ug/kg	J	-73.98437	40.58275
CI001SG-000015-20121013	10/13/2012	0	15	cm	50	Aluminum	10200	mg/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	50	Aluminum	13300	mg/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	50	Aluminum	10000	mg/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	50	Aluminum	11700	mg/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	50	Aluminum	7120	mg/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	50	Aluminum	1840	mg/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	50	Aluminum	4130	mg/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	50	Aluminum	5450	mg/kg	J	-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	Ammonia	68	mg/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	Ammonia	44	mg/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	Ammonia	52	mg/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	Ammonia	320	mg/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	Ammonia	43	mg/kg		-73.986505	40.581087
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	Ammonia	18	mg/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	Ammonia	75	mg/kg		-73.978669	40.580102
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	Anthracene	896	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	Anthracene	868	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	Anthracene	584	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	Anthracene	10300	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	Anthracene	18.7	ug/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	Anthracene	585	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	Anthracene	231	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	5	Anthracene	320	ug/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	5	Anthracene	290	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	5	Anthracene	3100	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	5	Anthracene	220	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	5	Anthracene	970	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	5	Anthracene	14	ug/kg	J	-73.985191	40.581998

sample_name	sample_date	start_depth	end_depth	depth_unit	dilution_factor	chemical_name	report_result_value	report_result_unit	validator_qualifiers	longitude	latitude
CI007SG-000015-20121013	10/13/2012	0	15	cm	5	Anthracene	92	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	5	Anthracene	130	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	Anthracene	596	ug/kg		-73.990296	40.579879
CI001SG-000015-20121013	10/13/2012	0	15	cm	2	Antimony	2.34	mg/kg	J	-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	2	Antimony	2.05	mg/kg	J	-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	2	Antimony	1.92	mg/kg	J	-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	2	Antimony	2.85	mg/kg	J	-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	2	Antimony	1.57	mg/kg	J	-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	2	Antimony	0.523	mg/kg	J	-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	2	Antimony	1.11	mg/kg	J	-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	2	Antimony	0.661	mg/kg	J	-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	5	Aroclor 1242	230	ug/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	5	Aroclor 1242	180	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	5	Aroclor 1242	98	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	5	Aroclor 1242	110	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	5	Aroclor 1242	80	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	5	Aroclor 1242	9.7	ug/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	5	Aroclor 1242	53	ug/kg		-73.98437	40.58275
CI001SG-000015-20121013	10/13/2012	0	15	cm	5	Aroclor 1254	270	ug/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	5	Aroclor 1254	210	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	5	Aroclor 1254	320	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	5	Aroclor 1254	140	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	5	Aroclor 1254	130	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	5	Aroclor 1254	32	ug/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	5	Aroclor 1254	130	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	5	Aroclor 1254	150	ug/kg		-73.978669	40.580102
CI008SG-000015-20121018	10/18/2012	0	15	cm	5	Aroclor 1260	110	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	10	Arsenic	9.36	mg/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	10	Arsenic	12.4	mg/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	10	Arsenic	10.3	mg/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	10	Arsenic	11	mg/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	10	Arsenic	5.25	mg/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	10	Arsenic	2.12	mg/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	10	Arsenic	3.85	mg/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	10	Arsenic	23.4	mg/kg	J	-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	10	Barium	99.7	mg/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	10	Barium	149	mg/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	10	Barium	120	mg/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	10	Barium	132	mg/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	10	Barium	355	mg/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	10	Barium	12.2	mg/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	10	Barium	57.1	mg/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	10	Barium	36.8	mg/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	5	Benzaldehyde	300	ug/kg	J	-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	5	Benzaldehyde	220	ug/kg	J	-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	5	Benzaldehyde	200	ug/kg	J	-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	5	Benzaldehyde	340	ug/kg	J	-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	5	Benzaldehyde	120	ug/kg	J	-73.986505	40.581087
CI007SG-000015-20121013	10/13/2012	0	15	cm	5	Benzaldehyde	83	ug/kg	J	-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	5	Benzaldehyde	160	ug/kg	J	-73.978669	40.580102
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	Benzene	1.5	ug/kg	J	-73.987025	40.580419
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	Benzo(a)anthracene	3770	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	Benzo(a)anthracene	3360	ug/kg		-73.988264	40.57936

sample_name	sample_date	start_depth	end_depth	depth_unit	dilution_factor	chemical_name	report_result_value	report_result_unit	validator_qualifiers	longitude	latitude
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	Benzo(a)anthracene	2560	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	Benzo(a)anthracene	23000	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	Benzo(a)anthracene	80.9	ug/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	Benzo(a)anthracene	1700	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	Benzo(a)anthracene	867	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	5	Benzo(a)anthracene	1300	ug/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	5	Benzo(a)anthracene	1500	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	5	Benzo(a)anthracene	1200	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	5	Benzo(a)anthracene	1200	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	5	Benzo(a)anthracene	2100	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	5	Benzo(a)anthracene	96	ug/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	5	Benzo(a)anthracene	470	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	5	Benzo(a)anthracene	750	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	Benzo(a)anthracene	2760	ug/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	Benzo(a)pyrene	3920	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	Benzo(a)pyrene	3260	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	Benzo(a)pyrene	2660	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	Benzo(a)pyrene	19400	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	Benzo(a)pyrene	95.9	ug/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	Benzo(a)pyrene	1530	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	Benzo(a)pyrene	1050	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	5	Benzo(a)pyrene	1300	ug/kg	J	-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	5	Benzo(a)pyrene	1400	ug/kg	J	-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	5	Benzo(a)pyrene	1200	ug/kg	J	-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	5	Benzo(a)pyrene	1200	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	5	Benzo(a)pyrene	2100	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	5	Benzo(a)pyrene	100	ug/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	5	Benzo(a)pyrene	470	ug/kg	J	-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	5	Benzo(a)pyrene	780	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	Benzo(a)pyrene	3240	ug/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	Benzo(b)fluoranthene	4810	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	Benzo(b)fluoranthene	4290	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	Benzo(b)fluoranthene	3570	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	Benzo(b)fluoranthene	18400	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	Benzo(b)fluoranthene	125	ug/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	Benzo(b)fluoranthene	1670	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	Benzo(b)fluoranthene	1400	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	5	Benzo(b)fluoranthene	1500	ug/kg	J	-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	5	Benzo(b)fluoranthene	1700	ug/kg	J	-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	5	Benzo(b)fluoranthene	1400	ug/kg	J	-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	5	Benzo(b)fluoranthene	1500	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	5	Benzo(b)fluoranthene	2400	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	5	Benzo(b)fluoranthene	140	ug/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	5	Benzo(b)fluoranthene	500	ug/kg	J	-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	5	Benzo(b)fluoranthene	1100	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	Benzo(b)fluoranthene	3910	ug/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	Benzo(e)pyrene	3790	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	Benzo(e)pyrene	3180	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	Benzo(e)pyrene	2750	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	Benzo(e)pyrene	13100	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	Benzo(e)pyrene	97.8	ug/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	Benzo(e)pyrene	1170	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	Benzo(e)pyrene	1060	ug/kg		-73.978669	40.580102

sample_name	sample_date	start_depth	end_depth	depth_unit	dilution_factor	chemical_name	report_result_value	report_result_unit	validator_qualifiers	longitude	latitude
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	Benzo(e)pyrene	3080	ug/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	Benzo(g,h,i)perylene	3330	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	Benzo(g,h,i)perylene	2700	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	Benzo(g,h,i)perylene	2370	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	Benzo(g,h,i)perylene	11000	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	Benzo(g,h,i)perylene	89	ug/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	Benzo(g,h,i)perylene	1030	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	Benzo(g,h,i)perylene	897	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	5	Benzo(g,h,i)perylene	1100	ug/kg	J	-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	5	Benzo(g,h,i)perylene	1100	ug/kg	J	-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	5	Benzo(g,h,i)perylene	1100	ug/kg	J	-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	5	Benzo(g,h,i)perylene	1300	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	5	Benzo(g,h,i)perylene	1800	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	5	Benzo(g,h,i)perylene	89	ug/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	5	Benzo(g,h,i)perylene	340	ug/kg	J	-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	5	Benzo(g,h,i)perylene	780	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	Benzo(g,h,i)perylene	2610	ug/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	Benzo(j,k)fluoranthene	4420	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	Benzo(j,k)fluoranthene	3500	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	Benzo(j,k)fluoranthene	3200	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	Benzo(j,k)fluoranthene	17500	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	Benzo(j,k)fluoranthene	104	ug/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	Benzo(j,k)fluoranthene	1430	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	Benzo(j,k)fluoranthene	1090	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	Benzo(j,k)fluoranthene	3600	ug/kg		-73.990296	40.579879
CI001SG-000015-20121013	10/13/2012	0	15	cm	5	Benzo(k)fluoranthene	830	ug/kg	J	-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	5	Benzo(k)fluoranthene	940	ug/kg	J	-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	5	Benzo(k)fluoranthene	1100	ug/kg	J	-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	5	Benzo(k)fluoranthene	860	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	5	Benzo(k)fluoranthene	1100	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	5	Benzo(k)fluoranthene	47	ug/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	5	Benzo(k)fluoranthene	230	ug/kg	J	-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	5	Benzo(k)fluoranthene	460	ug/kg		-73.978669	40.580102
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	Benzonaphthothiophene	1550	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	Benzonaphthothiophene	1330	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	Benzonaphthothiophene	1180	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	Benzonaphthothiophene	5420	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	Benzonaphthothiophene	33.1	ug/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	Benzonaphthothiophene	539	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	Benzonaphthothiophene	369	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	Benzonaphthothiophene	1110	ug/kg		-73.990296	40.579879
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	Benzothiophene	46.5	ug/kg	J	-73.986505	40.581087
CI001SG-000015-20121013	10/13/2012	0	15	cm	10	Beryllium	0.47	mg/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	10	Beryllium	0.758	mg/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	10	Beryllium	0.64	mg/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	10	Beryllium	0.68	mg/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	10	Beryllium	0.375	mg/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	10	Beryllium	0.095	mg/kg	J	-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	10	Beryllium	0.217	mg/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	10	Beryllium	0.452	mg/kg		-73.978669	40.580102
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	beta-BHC	0.11	ug/kg	J	-73.989386	40.579577
CI001SG-000015-20121013	10/13/2012	0	15	cm	5	Bis(2-ethylhexyl)phthalate	13000	ug/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	5	Bis(2-ethylhexyl)phthalate	15000	ug/kg		-73.989386	40.579577

sample_name	sample_date	start_depth	end_depth	depth_unit	dilution_factor	chemical_name	report_result_value	report_result_unit	validator_qualifiers	longitude	latitude
CI003SG-000015-20121013	10/13/2012	0	15	cm	5	Bis(2-ethylhexyl)phthalate	12000	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	5	Bis(2-ethylhexyl)phthalate	15000	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	5	Bis(2-ethylhexyl)phthalate	6900	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	5	Bis(2-ethylhexyl)phthalate	600	ug/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	5	Bis(2-ethylhexyl)phthalate	2900	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	5	Bis(2-ethylhexyl)phthalate	5200	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	5	Butylbenzylphthalate	330	ug/kg	J	-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	5	Butylbenzylphthalate	440	ug/kg	J	-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	5	Butylbenzylphthalate	870	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	5	Butylbenzylphthalate	450	ug/kg	J	-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	5	Butylbenzylphthalate	200	ug/kg	J	-73.986505	40.581087
CI007SG-000015-20121013	10/13/2012	0	15	cm	5	Butylbenzylphthalate	110	ug/kg	J	-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	5	Butylbenzylphthalate	250	ug/kg	J	-73.978669	40.580102
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	C1-Benzo(a)anthracenes/Chrysenes	2370	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	C1-Benzo(a)anthracenes/Chrysenes	2180	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	C1-Benzo(a)anthracenes/Chrysenes	1770	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	C1-Benzo(a)anthracenes/Chrysenes	8140	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	C1-Benzo(a)anthracenes/Chrysenes	69.1	ug/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	C1-Benzo(a)anthracenes/Chrysenes	794	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	C1-Benzo(a)anthracenes/Chrysenes	646	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	C1-Benzo(a)anthracenes/Chrysenes	2000	ug/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	C1-Benzo(b)thiophene	105	ug/kg	J	-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	C1-Benzo(b)thiophene	84.8	ug/kg	J	-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	C1-Benzo(b)thiophene	65	ug/kg	J	-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	C1-Benzo(b)thiophene	112	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	C1-Benzo(b)thiophene	4.55	ug/kg	J	-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	C1-Benzo(b)thiophene	20.9	ug/kg	J	-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	C1-Benzo(b)thiophene	29.4	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	C1-Benzo(b)thiophene	67.1	ug/kg	J	-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	C1-Decalin	286	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	C1-Decalin	223	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	C1-Decalin	223	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	C1-Decalin	597	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	C1-Decalin	8.06	ug/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	C1-Decalin	62.9	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	C1-Decalin	43.3	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	C1-Decalin	261	ug/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	C1-Dibenzothiophenes	311	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	C1-Dibenzothiophenes	325	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	C1-Dibenzothiophenes	223	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	C1-Dibenzothiophenes	1700	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	C1-Dibenzothiophenes	11.4	ug/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	C1-Dibenzothiophenes	104	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	C1-Dibenzothiophenes	59.5	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	C1-Dibenzothiophenes	281	ug/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	C1-Fluoranthenes/Pyrenes	4240	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	C1-Fluoranthenes/Pyrenes	3840	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	C1-Fluoranthenes/Pyrenes	2860	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	C1-Fluoranthenes/Pyrenes	15400	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	C1-Fluoranthenes/Pyrenes	114	ug/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	C1-Fluoranthenes/Pyrenes	1640	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	C1-Fluoranthenes/Pyrenes	1130	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	C1-Fluoranthenes/Pyrenes	3280	ug/kg		-73.990296	40.579879

sample_name	sample_date	start_depth	end_depth	depth_unit	dilution_factor	chemical_name	report_result_value	report_result_unit	validator_qualifiers	longitude	latitude
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	C1-Fluorenes	210	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	C1-Fluorenes	227	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	C1-Fluorenes	154	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	C1-Fluorenes	1420	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	C1-Fluorenes	9.08	ug/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	C1-Fluorenes	102	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	C1-Fluorenes	48.4	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	C1-Fluorenes	209	ug/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	C1-Naphthalenes	180	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	C1-Naphthalenes	169	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	C1-Naphthalenes	141	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	C1-Naphthalenes	1390	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	C1-Naphthalenes	14.3	ug/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	C1-Naphthalenes	80.3	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	C1-Naphthalenes	51.2	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	C1-Naphthalenes	153	ug/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	C1-Phenanthrenes/Anthracenes	1630	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	C1-Phenanthrenes/Anthracenes	1690	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	C1-Phenanthrenes/Anthracenes	1260	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	C1-Phenanthrenes/Anthracenes	11600	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	C1-Phenanthrenes/Anthracenes	39.8	ug/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	C1-Phenanthrenes/Anthracenes	845	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	C1-Phenanthrenes/Anthracenes	374	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	C1-Phenanthrenes/Anthracenes	1140	ug/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	C2-Benzo(a)anthracenes/Chrysenes	1680	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	C2-Benzo(a)anthracenes/Chrysenes	1370	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	C2-Benzo(a)anthracenes/Chrysenes	1230	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	C2-Benzo(a)anthracenes/Chrysenes	3490	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	C2-Benzo(a)anthracenes/Chrysenes	54.1	ug/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	C2-Benzo(a)anthracenes/Chrysenes	438	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	C2-Benzo(a)anthracenes/Chrysenes	486	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	C2-Benzo(a)anthracenes/Chrysenes	1370	ug/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	C2-Benzo(b)thiophene	57.5	ug/kg	J	-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	C2-Benzo(b)thiophene	62.7	ug/kg	J	-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	C2-Benzo(b)thiophene	101	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	C2-Benzo(b)thiophene	143	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	C2-Benzo(b)thiophene	4.12	ug/kg	J	-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	C2-Benzo(b)thiophene	19.4	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	C2-Benzo(b)thiophene	15.5	ug/kg	J	-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	C2-Benzo(b)thiophene	61.3	ug/kg	J	-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	C2-Decalin	598	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	C2-Decalin	482	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	C2-Decalin	443	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	C2-Decalin	858	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	C2-Decalin	23.2	ug/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	C2-Decalin	196	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	C2-Decalin	96.6	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	C2-Decalin	569	ug/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	C2-Dibenzothiophenes	805	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	C2-Dibenzothiophenes	740	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	C2-Dibenzothiophenes	542	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	C2-Dibenzothiophenes	1720	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	C2-Dibenzothiophenes	26.2	ug/kg		-73.985191	40.581998

sample_name	sample_date	start_depth	end_depth	depth_unit	dilution_factor	chemical_name	report_result_value	report_result_unit	validator_qualifiers	longitude	latitude
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	C2-Dibenzothiophenes	177	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	C2-Dibenzothiophenes	161	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	C2-Dibenzothiophenes	753	ug/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	C2-Fluorenes	694	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	C2-Fluorenes	595	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	C2-Fluorenes	424	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	C2-Fluorenes	1660	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	C2-Fluorenes	21.2	ug/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	C2-Fluorenes	160	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	C2-Fluorenes	131	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	C2-Fluorenes	698	ug/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	C2-Naphthalenes	360	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	C2-Naphthalenes	332	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	C2-Naphthalenes	261	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	C2-Naphthalenes	2260	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	C2-Naphthalenes	25.6	ug/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	C2-Naphthalenes	135	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	C2-Naphthalenes	91	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	C2-Naphthalenes	368	ug/kg		-73.990296	40.579879
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	C2-Phenanthrenes/Anthracenes	1670	ug/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	C2-Phenanthrenes/Anthracenes	1930	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	C2-Phenanthrenes/Anthracenes	1700	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	C2-Phenanthrenes/Anthracenes	1270	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	C2-Phenanthrenes/Anthracenes	5390	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	C2-Phenanthrenes/Anthracenes	49.4	ug/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	C2-Phenanthrenes/Anthracenes	534	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	C2-Phenanthrenes/Anthracenes	394	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	C3-Benzo(a)anthracenes/Chrysenes	1560	ug/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	C3-Benzo(a)anthracenes/Chrysenes	1950	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	C3-Benzo(a)anthracenes/Chrysenes	1620	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	C3-Benzo(a)anthracenes/Chrysenes	1610	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	C3-Benzo(a)anthracenes/Chrysenes	2820	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	C3-Benzo(a)anthracenes/Chrysenes	84.1	ug/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	C3-Benzo(a)anthracenes/Chrysenes	485	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	C3-Benzo(a)anthracenes/Chrysenes	536	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	C3-Benzo(b)thiophene	126	ug/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	C3-Benzo(b)thiophene	124	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	C3-Benzo(b)thiophene	124	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	C3-Benzo(b)thiophene	114	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	C3-Benzo(b)thiophene	221	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	C3-Benzo(b)thiophene	10.8	ug/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	C3-Benzo(b)thiophene	34.8	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	C3-Benzo(b)thiophene	33.5	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	C3-Decalin	485	ug/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	C3-Decalin	556	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	C3-Decalin	430	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	C3-Decalin	395	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	C3-Decalin	658	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	C3-Decalin	24	ug/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	C3-Decalin	205	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	C3-Decalin	97.3	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	C3-Dibenzothiophenes	1050	ug/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	C3-Dibenzothiophenes	1160	ug/kg		-73.989386	40.579577

sample_name	sample_date	start_depth	end_depth	depth_unit	dilution_factor	chemical_name	report_result_value	report_result_unit	validator_qualifiers	longitude	latitude
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	C3-Dibenzothiophenes	994	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	C3-Dibenzothiophenes	761	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	C3-Dibenzothiophenes	1380	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	C3-Dibenzothiophenes	47.3	ug/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	C3-Dibenzothiophenes	265	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	C3-Dibenzothiophenes	250	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	C3-Fluorenes	1360	ug/kg	J	-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	C3-Fluorenes	1600	ug/kg	J	-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	C3-Fluorenes	1410	ug/kg	J	-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	C3-Fluorenes	1080	ug/kg	J	-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	C3-Fluorenes	4590	ug/kg	J	-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	C3-Fluorenes	53.6	ug/kg	J	-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	C3-Fluorenes	413	ug/kg	J	-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	C3-Fluorenes	348	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	C3-Naphthalenes	649	ug/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	C3-Naphthalenes	582	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	C3-Naphthalenes	485	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	C3-Naphthalenes	345	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	C3-Naphthalenes	1800	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	C3-Naphthalenes	24.8	ug/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	C3-Naphthalenes	154	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	C3-Naphthalenes	112	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	C3-Phenanthrenes/Anthracenes	1470	ug/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	C3-Phenanthrenes/Anthracenes	1650	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	C3-Phenanthrenes/Anthracenes	1350	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	C3-Phenanthrenes/Anthracenes	969	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	C3-Phenanthrenes/Anthracenes	2290	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	C3-Phenanthrenes/Anthracenes	47.6	ug/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	C3-Phenanthrenes/Anthracenes	318	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	C3-Phenanthrenes/Anthracenes	346	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	C4-Benzo(a)anthracenes/Chrysenes	1030	ug/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	C4-Benzo(a)anthracenes/Chrysenes	1240	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	C4-Benzo(a)anthracenes/Chrysenes	1040	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	C4-Benzo(a)anthracenes/Chrysenes	1090	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	C4-Benzo(a)anthracenes/Chrysenes	1320	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	C4-Benzo(a)anthracenes/Chrysenes	59.6	ug/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	C4-Benzo(a)anthracenes/Chrysenes	310	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	C4-Benzo(a)anthracenes/Chrysenes	387	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	C4-Benzo(b)thiophene	119	ug/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	C4-Benzo(b)thiophene	130	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	C4-Benzo(b)thiophene	103	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	C4-Benzo(b)thiophene	110	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	C4-Benzo(b)thiophene	163	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	C4-Benzo(b)thiophene	5.85	ug/kg	J	-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	C4-Benzo(b)thiophene	25.1	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	C4-Benzo(b)thiophene	27.8	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	C4-Decalin	781	ug/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	C4-Decalin	779	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	C4-Decalin	637	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	C4-Decalin	473	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	C4-Decalin	890	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	C4-Decalin	37.2	ug/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	C4-Decalin	214	ug/kg		-73.98437	40.58275

sample_name	sample_date	start_depth	end_depth	depth_unit	dilution_factor	chemical_name	report_result_value	report_result_unit	validator_qualifiers	longitude	latitude
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	C4-Decalin	183	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	C4-Dibenzothiophenes	750	ug/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	C4-Dibenzothiophenes	810	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	C4-Dibenzothiophenes	716	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	C4-Dibenzothiophenes	581	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	C4-Dibenzothiophenes	744	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	C4-Dibenzothiophenes	42.5	ug/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	C4-Dibenzothiophenes	218	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	C4-Dibenzothiophenes	204	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	C4-Naphthalenes	837	ug/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	C4-Naphthalenes	784	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	C4-Naphthalenes	619	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	C4-Naphthalenes	467	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	C4-Naphthalenes	1080	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	C4-Naphthalenes	25.4	ug/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	C4-Naphthalenes	148	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	C4-Naphthalenes	142	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	C4-Phenanthrenes/Anthracenes	760	ug/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	C4-Phenanthrenes/Anthracenes	909	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	C4-Phenanthrenes/Anthracenes	762	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	C4-Phenanthrenes/Anthracenes	590	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	C4-Phenanthrenes/Anthracenes	897	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	C4-Phenanthrenes/Anthracenes	37.5	ug/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	C4-Phenanthrenes/Anthracenes	180	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	C4-Phenanthrenes/Anthracenes	219	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	10	Cadmium	3.13	mg/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	10	Cadmium	4.51	mg/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	10	Cadmium	3.3	mg/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	10	Cadmium	3.28	mg/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	10	Cadmium	2.04	mg/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	10	Cadmium	1.09	mg/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	10	Cadmium	2.42	mg/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	10	Cadmium	1.3	mg/kg	J	-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	50	Calcium	10300	mg/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	50	Calcium	14000	mg/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	50	Calcium	11300	mg/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	50	Calcium	16500	mg/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	50	Calcium	12300	mg/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	50	Calcium	1900	mg/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	50	Calcium	5070	mg/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	50	Calcium	6320	mg/kg		-73.978669	40.580102
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	Carbazole	502	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	Carbazole	429	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	Carbazole	343	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	Carbazole	6790	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	Carbazole	7.28	ug/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	Carbazole	359	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	Carbazole	72.1	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	5	Carbazole	200	ug/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	5	Carbazole	230	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	5	Carbazole	1700	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	5	Carbazole	200	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	5	Carbazole	560	ug/kg		-73.986505	40.581087

sample_name	sample_date	start_depth	end_depth	depth_unit	dilution_factor	chemical_name	report_result_value	report_result_unit	validator_qualifiers	longitude	latitude
CI007SG-000015-20121013	10/13/2012	0	15	cm	5	Carbazole	51	ug/kg	J	-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	5	Carbazole	97	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	Carbazole	274	ug/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	Carbon Disulfide	37	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	Carbon Disulfide	33	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	Carbon Disulfide	82	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	Carbon Disulfide	32	ug/kg		-73.986505	40.581087
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	Carbon Disulfide	8.7	ug/kg	J	-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	Carbon Disulfide	6.3	ug/kg	J	-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	Carbon Disulfide	56	ug/kg		-73.990296	40.579879
CI001SG-000015-20121013	10/13/2012	0	15	cm	10	Chromium	73.4	mg/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	10	Chromium	103	mg/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	10	Chromium	78.8	mg/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	10	Chromium	88.2	mg/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	10	Chromium	148	mg/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	10	Chromium	13	mg/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	10	Chromium	23.7	mg/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	10	Chromium	31.3	mg/kg		-73.978669	40.580102
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	Chrysene	5630	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	Chrysene	4720	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	Chrysene	4350	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	Chrysene	23600	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	Chrysene	108	ug/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	Chrysene	1940	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	Chrysene	1280	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	5	Chrysene	1900	ug/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	5	Chrysene	2100	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	5	Chrysene	2300	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	5	Chrysene	2000	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	5	Chrysene	2400	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	5	Chrysene	110	ug/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	5	Chrysene	580	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	5	Chrysene	960	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	Chrysene	3850	ug/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	cis/trans-Decalin	107	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	cis/trans-Decalin	79.2	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	cis/trans-Decalin	126	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	cis/trans-Decalin	92.4	ug/kg		-73.986505	40.581087
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	cis/trans-Decalin	21.3	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	cis/trans-Decalin	17.4	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	cis/trans-Decalin	81.1	ug/kg		-73.990296	40.579879
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	cis-1,2-Dichloroethene	2.6	ug/kg	J	-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	cis-1,2-Dichloroethene	0.65	ug/kg	J	-73.986505	40.581087
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	cis-Nonachlor	17.3	ug/kg		-73.989386	40.579577
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	cis-Nonachlor	0.71	ug/kg		-73.985191	40.581998
CI001SG-000015-20121013	10/13/2012	0	15	cm	40	cis-Nonachlor	5.2	ug/kg	J	-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	40	cis-Nonachlor	4.9	ug/kg	J	-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	40	cis-Nonachlor	5.1	ug/kg	J	-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	40	cis-Nonachlor	3.2	ug/kg	J	-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	40	cis-Nonachlor	15	ug/kg	J	-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	40	cis-Nonachlor	0.5	ug/kg	J	-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	40	cis-Nonachlor	1.3	ug/kg	J	-73.98437	40.58275
CI001SG-000015-20121013	10/13/2012	0	15	cm	10	Cobalt	9.46	mg/kg		-73.990296	40.579879

sample_name	sample_date	start_depth	end_depth	depth_unit	dilution_factor	chemical_name	report_result_value	report_result_unit	validator_qualifiers	longitude	latitude
CI002SG-000015-20121013	10/13/2012	0	15	cm	10	Cobalt	11.8	mg/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	10	Cobalt	8.63	mg/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	10	Cobalt	10.1	mg/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	10	Cobalt	6.62	mg/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	10	Cobalt	4.05	mg/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	10	Cobalt	4.79	mg/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	10	Cobalt	5.68	mg/kg	J	-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	10	Copper	341	mg/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	10	Copper	449	mg/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	10	Copper	354	mg/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	10	Copper	427	mg/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	10	Copper	198	mg/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	10	Copper	114	mg/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	10	Copper	285	mg/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	10	Copper	120	mg/kg		-73.978669	40.580102
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	Cyanide	1.6	mg/kg	J	-73.989386	40.579577
CI001SG-000015-20121013	10/13/2012	0	15	cm	5	Dibenzo(a,h)anthracene	190	ug/kg	J	-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	5	Dibenzo(a,h)anthracene	270	ug/kg	J	-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	5	Dibenzo(a,h)anthracene	300	ug/kg	J	-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	5	Dibenzo(a,h)anthracene	430	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	5	Dibenzo(a,h)anthracene	570	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	5	Dibenzo(a,h)anthracene	16	ug/kg	J	-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	5	Dibenzo(a,h)anthracene	97	ug/kg	J	-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	5	Dibenzo(a,h)anthracene	190	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	Dibenzo(a,h)anthracene and dibenzo(a,c)anthracene	581	ug/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	Dibenzo(a,h)anthracene and dibenzo(a,c)anthracene	696	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	Dibenzo(a,h)anthracene and dibenzo(a,c)anthracene	622	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	Dibenzo(a,h)anthracene and dibenzo(a,c)anthracene	508	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	Dibenzo(a,h)anthracene and dibenzo(a,c)anthracene	3370	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	Dibenzo(a,h)anthracene and dibenzo(a,c)anthracene	21.6	ug/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	Dibenzo(a,h)anthracene and dibenzo(a,c)anthracene	263	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	Dibenzo(a,h)anthracene and dibenzo(a,c)anthracene	203	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	5	Dibenzofuran	79	ug/kg	J	-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	5	Dibenzofuran	89	ug/kg	J	-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	5	Dibenzofuran	170	ug/kg	J	-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	5	Dibenzofuran	68	ug/kg	J	-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	5	Dibenzofuran	250	ug/kg	J	-73.986505	40.581087
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	Dibenzothiophene	298	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	Dibenzothiophene	273	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	Dibenzothiophene	187	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	Dibenzothiophene	2990	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	Dibenzothiophene	7.28	ug/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	Dibenzothiophene	172	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	Dibenzothiophene	62.1	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	Dibenzothiophene	220	ug/kg		-73.990296	40.579879
CI005SG-000015-20121013	10/13/2012	0	15	cm	20	Dichlorprop	27	ug/kg	J	-73.986505	40.581087
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	Dieldrin	11.3	ug/kg		-73.989386	40.579577
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	Dieldrin	0.41	ug/kg	J	-73.985191	40.581998
CI001SG-000015-20121013	10/13/2012	0	15	cm	40	Dieldrin	6	ug/kg	J	-73.990296	40.579879
CI003SG-000015-20121013	10/13/2012	0	15	cm	40	Dieldrin	6.7	ug/kg	J	-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	40	Dieldrin	9.4	ug/kg	J	-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	40	Dieldrin	4.8	ug/kg	J	-73.986505	40.581087
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	Diesel Range Organics (C10-C28)	4290	mg/kg		-73.990296	40.579879

sample_name	sample_date	start_depth	end_depth	depth_unit	dilution_factor	chemical_name	report_result_value	report_result_unit	validator_qualifiers	longitude	latitude
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	Diesel Range Organics (C10-C28)	5060	mg/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	Diesel Range Organics (C10-C28)	4090	mg/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	Diesel Range Organics (C10-C28)	4390	mg/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	Diesel Range Organics (C10-C28)	3320	mg/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	Diesel Range Organics (C10-C28)	236	mg/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	Diesel Range Organics (C10-C28)	986	mg/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	Diesel Range Organics (C10-C28)	1320	mg/kg		-73.978669	40.580102
CI005SG-000015-20121013	10/13/2012	0	15	cm	5	Diethylphthalate	52	ug/kg	J	-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	5	Diethylphthalate	28	ug/kg	J	-73.985191	40.581998
CI001SG-000015-20121013	10/13/2012	0	15	cm	5	Di-n-butylphthalate	200	ug/kg	J	-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	5	Di-n-butylphthalate	180	ug/kg	J	-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	5	Di-n-butylphthalate	220	ug/kg	J	-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	5	Di-n-butylphthalate	240	ug/kg	J	-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	5	Di-n-butylphthalate	95	ug/kg	J	-73.986505	40.581087
CI008SG-000015-20121018	10/18/2012	0	15	cm	5	Di-n-butylphthalate	65	ug/kg	J	-73.978669	40.580102
CI003SG-000015-20121013	10/13/2012	0	15	cm	5	Di-n-octylphthalate	510	ug/kg	J	-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	5	Di-n-octylphthalate	470	ug/kg	J	-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	5	Di-n-octylphthalate	180	ug/kg	J	-73.986505	40.581087
CI007SG-000015-20121013	10/13/2012	0	15	cm	5	Di-n-octylphthalate	87	ug/kg	J	-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	5	Di-n-octylphthalate	120	ug/kg	J	-73.978669	40.580102
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	Endosulfan II	2.93	ug/kg		-73.989386	40.579577
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	Endosulfan II	0.27	ug/kg	J	-73.985191	40.581998
CI001SG-000015-20121013	10/13/2012	0	15	cm	40	Endosulfan II	3.4	ug/kg	J	-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	40	Endosulfan II	2.7	ug/kg	J	-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	40	Endosulfan II	2.2	ug/kg	J	-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	40	Endosulfan II	1.5	ug/kg	J	-73.987025	40.580419
CI007SG-000015-20121013	10/13/2012	0	15	cm	40	Endosulfan II	0.99	ug/kg	J	-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	40	Endosulfan II	1.3	ug/kg	J	-73.978669	40.580102
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	Endosulfan Sulfate	0.17	ug/kg	J	-73.989386	40.579577
CI002SG-000015-20121013	10/13/2012	0	15	cm	40	Endrin	1.8	ug/kg	J	-73.989386	40.579577
CI008SG-000015-20121018	10/18/2012	0	15	cm	40	Endrin	1.7	ug/kg	J	-73.978669	40.580102
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	Ethylbenzene	8.4	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	Ethylbenzene	1.4	ug/kg	J	-73.986505	40.581087
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	Fluoranthene	11800	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	Fluoranthene	10200	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	Fluoranthene	8380	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	Fluoranthene	57800	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	Fluoranthene	197	ug/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	Fluoranthene	4410	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	Fluoranthene	2500	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	5	Fluoranthene	3800	ug/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	5	Fluoranthene	4200	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	5	Fluoranthene	3900	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	5	Fluoranthene	3500	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	5	Fluoranthene	6200	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	5	Fluoranthene	150	ug/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	5	Fluoranthene	1200	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	5	Fluoranthene	1900	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	Fluoranthene	7940	ug/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	Fluorene	338	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	Fluorene	311	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	Fluorene	229	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	Fluorene	5640	ug/kg		-73.986505	40.581087

sample_name	sample_date	start_depth	end_depth	depth_unit	dilution_factor	chemical_name	report_result_value	report_result_unit	validator_qualifiers	longitude	latitude
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	Fluorene	9.36	ug/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	Fluorene	306	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	Fluorene	69.4	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	5	Fluorene	170	ug/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	5	Fluorene	170	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	5	Fluorene	430	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	5	Fluorene	120	ug/kg	J	-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	5	Fluorene	470	ug/kg		-73.986505	40.581087
CI007SG-000015-20121013	10/13/2012	0	15	cm	5	Fluorene	44	ug/kg	J	-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	5	Fluorene	72	ug/kg	J	-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	Fluorene	254	ug/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	40	gamma-BHC (Lindane)	0.93	ug/kg	J	-73.989386	40.579577
CI005SG-000015-20121013	10/13/2012	0	15	cm	40	gamma-BHC (Lindane)	1.1	ug/kg	J	-73.986505	40.581087
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	gamma-Chlordane	74.4	ug/kg		-73.989386	40.579577
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	gamma-Chlordane	3.84	ug/kg		-73.985191	40.581998
CI001SG-000015-20121013	10/13/2012	0	15	cm	40	gamma-Chlordane	190	ug/kg	J	-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	40	gamma-Chlordane	180	ug/kg	J	-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	40	gamma-Chlordane	180	ug/kg	J	-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	40	gamma-Chlordane	180	ug/kg	J	-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	40	gamma-Chlordane	140	ug/kg	J	-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	40	gamma-Chlordane	4	ug/kg	J	-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	40	gamma-Chlordane	77	ug/kg	J	-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	40	gamma-Chlordane	370	ug/kg	J	-73.978669	40.580102
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	Heptachlor	0.082	ug/kg	J	-73.989386	40.579577
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	Heptachlor	0.015	ug/kg	J	-73.985191	40.581998
CI001SG-000015-20121013	10/13/2012	0	15	cm	10	Heptachlor	2.8	ug/kg	J	-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	10	Heptachlor	2.4	ug/kg	J	-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	10	Heptachlor	3	ug/kg	J	-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	10	Heptachlor	2.1	ug/kg	J	-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	10	Heptachlor	4.7	ug/kg	J	-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	10	Heptachlor	0.25	ug/kg	J	-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	10	Heptachlor	0.69	ug/kg	J	-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	10	Heptachlor	0.25	ug/kg	J	-73.978669	40.580102
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	Heptachlor Epoxide	0.71	ug/kg	J	-73.989386	40.579577
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	Hexachlorobenzene	6.33	ug/kg		-73.989386	40.579577
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	Hexachlorobenzene	0.22	ug/kg	J	-73.985191	40.581998
CI001SG-000015-20121013	10/13/2012	0	15	cm	10	Hexachlorobenzene	2.6	ug/kg	J	-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	10	Hexachlorobenzene	4.7	ug/kg	J	-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	10	Hexachlorobenzene	3.1	ug/kg	J	-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	10	Hexachlorobenzene	1.6	ug/kg	J	-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	10	Hexachlorobenzene	1.5	ug/kg	J	-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	10	Hexachlorobenzene	0.14	ug/kg	J	-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	10	Hexachlorobenzene	0.53	ug/kg	J	-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	10	Hexachlorobenzene	5.5	ug/kg	J	-73.978669	40.580102
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	Indeno(1,2,3-cd)pyrene	2920	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	Indeno(1,2,3-cd)pyrene	2360	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	Indeno(1,2,3-cd)pyrene	2040	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	Indeno(1,2,3-cd)pyrene	11400	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	Indeno(1,2,3-cd)pyrene	80.9	ug/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	Indeno(1,2,3-cd)pyrene	1010	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	Indeno(1,2,3-cd)pyrene	786	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	5	Indeno(1,2,3-cd)pyrene	910	ug/kg	J	-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	5	Indeno(1,2,3-cd)pyrene	950	ug/kg	J	-73.989386	40.579577

sample_name	sample_date	start_depth	end_depth	depth_unit	dilution_factor	chemical_name	report_result_value	report_result_unit	validator_qualifiers	longitude	latitude
CI003SG-000015-20121013	10/13/2012	0	15	cm	5	Indeno(1,2,3-cd)pyrene	910	ug/kg	J	-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	5	Indeno(1,2,3-cd)pyrene	1100	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	5	Indeno(1,2,3-cd)pyrene	1500	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	5	Indeno(1,2,3-cd)pyrene	78	ug/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	5	Indeno(1,2,3-cd)pyrene	340	ug/kg	J	-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	5	Indeno(1,2,3-cd)pyrene	600	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	Indeno(1,2,3-cd)pyrene	2360	ug/kg		-73.990296	40.579879
CI001SG-000015-20121013	10/13/2012	0	15	cm	50	Iron	22400	mg/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	50	Iron	28500	mg/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	50	Iron	21800	mg/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	50	Iron	25300	mg/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	50	Iron	15600	mg/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	50	Iron	5170	mg/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	50	Iron	8960	mg/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	50	Iron	17500	mg/kg	J	-73.978669	40.580102
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	Isopropylbenzene	0.99	ug/kg	J	-73.987025	40.580419
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	Isopropylbenzene	0.83	ug/kg	J	-73.990296	40.579879
CI001SG-000015-20121013	10/13/2012	0	15	cm	10	Lead	508	mg/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	10	Lead	678	mg/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	10	Lead	541	mg/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	10	Lead	574	mg/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	10	Lead	890	mg/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	10	Lead	153	mg/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	10	Lead	256	mg/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	10	Lead	151	mg/kg		-73.978669	40.580102
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	m,p-Xylene	2.7	ug/kg	J	-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	m,p-Xylene	1	ug/kg	J	-73.986505	40.581087
CI001SG-000015-20121013	10/13/2012	0	15	cm	50	Magnesium	10600	mg/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	50	Magnesium	12900	mg/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	50	Magnesium	9750	mg/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	50	Magnesium	13200	mg/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	50	Magnesium	6880	mg/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	50	Magnesium	1680	mg/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	50	Magnesium	3770	mg/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	50	Magnesium	5960	mg/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	10	Manganese	182	mg/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	10	Manganese	237	mg/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	10	Manganese	165	mg/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	10	Manganese	179	mg/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	10	Manganese	124	mg/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	10	Manganese	57.8	mg/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	10	Manganese	80.7	mg/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	10	Manganese	127	mg/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	19	Mercury	936	ug/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	19	Mercury	1210	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	20	Mercury	3960	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	19	Mercury	1420	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	19	Mercury	419	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	77	Mercury	18600	ug/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	19	Mercury	411	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	18	Mercury	312	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	40	Methoxychlor	5.7	ug/kg	J	-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	40	Methoxychlor	7.5	ug/kg	J	-73.989386	40.579577

sample_name	sample_date	start_depth	end_depth	depth_unit	dilution_factor	chemical_name	report_result_value	report_result_unit	validator_qualifiers	longitude	latitude
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	Methylene Chloride	9.3	ug/kg	J	-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	Mirex	0.7	ug/kg	J	-73.989386	40.579577
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	Mirex	0.034	ug/kg	J	-73.985191	40.581998
CI002SG-000015-20121013	10/13/2012	0	15	cm	10	Mirex	0.64	ug/kg	J	-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	10	Mirex	0.67	ug/kg	J	-73.988264	40.57936
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	Naphthalene	293	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	Naphthalene	291	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	Naphthalene	223	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	Naphthalene	1730	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	Naphthalene	44.8	ug/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	Naphthalene	174	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	Naphthalene	86.2	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	5	Naphthalene	91	ug/kg	J	-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	5	Naphthalene	120	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	5	Naphthalene	110	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	5	Naphthalene	76	ug/kg	J	-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	5	Naphthalene	340	ug/kg		-73.986505	40.581087
CI007SG-000015-20121013	10/13/2012	0	15	cm	5	Naphthalene	69	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	5	Naphthalene	53	ug/kg	J	-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	Naphthalene	253	ug/kg		-73.990296	40.579879
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	n-Docosane (nC22)	1.69	mg/kg	J	-73.990296	40.579879
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	n-Docosane (nC22)	1.62	mg/kg	J	-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	n-Docosane (nC22)	1.5	mg/kg	J	-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	n-Docosane (nC22)	0.083	mg/kg	J	-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	n-Docosane (nC22)	0.601	mg/kg	J	-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	n-Docosane (nC22)	0.451	mg/kg	J	-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	n-Dotriacontane (nC32)	3.17	mg/kg	J	-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	n-Dotriacontane (nC32)	3.35	mg/kg	J	-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	n-Dotriacontane (nC32)	3.25	mg/kg	J	-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	n-Dotriacontane (nC32)	11.4	mg/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	n-Dotriacontane (nC32)	4.72	mg/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	n-Dotriacontane (nC32)	0.101	mg/kg	J	-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	n-Dotriacontane (nC32)	1.23	mg/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	n-Dotriacontane (nC32)	2.14	mg/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	n-Eicosane (nC20)	1.64	mg/kg	J	-73.990296	40.579879
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	n-Eicosane (nC20)	1.6	mg/kg	J	-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	n-Eicosane (nC20)	2.69	mg/kg	J	-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	n-Eicosane (nC20)	0.157	mg/kg	J	-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	n-Eicosane (nC20)	0.516	mg/kg	J	-73.98437	40.58275
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	n-Heneicosane (nC21)	2.18	mg/kg	J	-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	n-Heneicosane (nC21)	2.56	mg/kg	J	-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	n-Heneicosane (nC21)	2.21	mg/kg	J	-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	n-Heneicosane (nC21)	3.14	mg/kg	J	-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	n-Heneicosane (nC21)	3.43	mg/kg	J	-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	n-Heneicosane (nC21)	0.104	mg/kg	J	-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	n-Heneicosane (nC21)	0.51	mg/kg	J	-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	n-Heneicosane (nC21)	0.512	mg/kg	J	-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	n-Hentriacontane (nC31)	27.5	mg/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	n-Hentriacontane (nC31)	13.9	mg/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	n-Hentriacontane (nC31)	17.6	mg/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	n-Hentriacontane (nC31)	40.5	mg/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	n-Hentriacontane (nC31)	13.6	mg/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	n-Hentriacontane (nC31)	0.435	mg/kg		-73.985191	40.581998

sample_name	sample_date	start_depth	end_depth	depth_unit	dilution_factor	chemical_name	report_result_value	report_result_unit	validator_qualifiers	longitude	latitude
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	n-Hentriacontane (nC31)	3.85	mg/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	n-Hentriacontane (nC31)	5.54	mg/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	n-Heptacosane (nC27)	28.5	mg/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	n-Heptacosane (nC27)	12.9	mg/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	n-Heptacosane (nC27)	24.1	mg/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	n-Heptacosane (nC27)	50.6	mg/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	n-Heptacosane (nC27)	12.9	mg/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	n-Heptacosane (nC27)	0.222	mg/kg	J	-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	n-Heptacosane (nC27)	3.22	mg/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	n-Heptacosane (nC27)	6.74	mg/kg		-73.978669	40.580102
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	n-Heptadecane (nC17)	3.33	mg/kg	J	-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	n-Heptadecane (nC17)	3.72	mg/kg	J	-73.986505	40.581087
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	n-Heptadecane (nC17)	0.503	mg/kg	J	-73.98437	40.58275
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	n-Heptatriacontane (nC37)	2.55	mg/kg	J	-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	n-Heptatriacontane (nC37)	3.2	mg/kg	J	-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	n-Heptatriacontane (nC37)	2.23	mg/kg	J	-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	n-Heptatriacontane (nC37)	4.71	mg/kg	J	-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	n-Heptatriacontane (nC37)	1.89	mg/kg	J	-73.986505	40.581087
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	n-Heptatriacontane (nC37)	0.632	mg/kg	J	-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	n-Heptatriacontane (nC37)	0.798	mg/kg	J	-73.978669	40.580102
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	n-Hexacosane (nC26)	8.45	mg/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	n-Hexacosane (nC26)	3.75	mg/kg	J	-73.986505	40.581087
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	n-Hexacosane (nC26)	5.89	mg/kg		-73.978669	40.580102
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	n-Hexadecane (nC16)	1.14	mg/kg	J	-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	n-Hexadecane (nC16)	3.37	mg/kg	J	-73.986505	40.581087
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	n-Hexadecane (nC16)	0.293	mg/kg	J	-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	n-Hexatriacontane (nC36)	7.84	mg/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	n-Hexatriacontane (nC36)	8.3	mg/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	n-Hexatriacontane (nC36)	20.2	mg/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	n-Hexatriacontane (nC36)	14.1	mg/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	n-Hexatriacontane (nC36)	4.38	mg/kg	J	-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	n-Hexatriacontane (nC36)	0.192	mg/kg	J	-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	n-Hexatriacontane (nC36)	1.31	mg/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	n-Hexatriacontane (nC36)	1.17	mg/kg	J	-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	10	Nickel	44	mg/kg	J	-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	10	Nickel	57.3	mg/kg	J	-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	10	Nickel	50.8	mg/kg	J	-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	10	Nickel	50.2	mg/kg	J	-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	10	Nickel	44.7	mg/kg	J	-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	10	Nickel	19.6	mg/kg	J	-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	10	Nickel	26.1	mg/kg	J	-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	10	Nickel	18.7	mg/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	Nitrogen, Kjeldahl	6500	mg/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	Nitrogen, Kjeldahl	5100	mg/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	Nitrogen, Kjeldahl	5800	mg/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	Nitrogen, Kjeldahl	9400	mg/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	Nitrogen, Kjeldahl	2700	mg/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	Nitrogen, Kjeldahl	300	mg/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	Nitrogen, Kjeldahl	1200	mg/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	Nitrogen, Kjeldahl	2200	mg/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	Nitrogen, Nitrate-Nitrite	5.5	mg/kg	J	-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	Nitrogen, Nitrate-Nitrite	4.8	mg/kg	J	-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	Nitrogen, Nitrate-Nitrite	4.7	mg/kg	J	-73.988264	40.57936

sample_name	sample_date	start_depth	end_depth	depth_unit	dilution_factor	chemical_name	report_result_value	report_result_unit	validator_qualifiers	longitude	latitude
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	Nitrogen, Nitrate-Nitrite	6	mg/kg	J	-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	Nitrogen, Nitrate-Nitrite	2.5	mg/kg	J	-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	Nitrogen, Nitrate-Nitrite	1.7	mg/kg	J	-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	Nitrogen, Nitrate-Nitrite	2.2	mg/kg	J	-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	Nitrogen, Nitrate-Nitrite	6	mg/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	Nitrogen, Total Kjeldahl	6500	mg/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	Nitrogen, Total Kjeldahl	5100	mg/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	Nitrogen, Total Kjeldahl	5800	mg/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	Nitrogen, Total Kjeldahl	9400	mg/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	Nitrogen, Total Kjeldahl	2700	mg/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	Nitrogen, Total Kjeldahl	300	mg/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	Nitrogen, Total Kjeldahl	1200	mg/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	Nitrogen, Total Kjeldahl	2200	mg/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	n-Nonacosane (nC29)	81.9	mg/kg	J	-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	n-Nonacosane (nC29)	22.5	mg/kg	J	-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	n-Nonacosane (nC29)	55.3	mg/kg	J	-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	n-Nonacosane (nC29)	116	mg/kg	J	-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	n-Nonacosane (nC29)	20	mg/kg	J	-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	n-Nonacosane (nC29)	1.16	mg/kg	J	-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	n-Nonacosane (nC29)	6.56	mg/kg	J	-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	n-Nonacosane (nC29)	17.9	mg/kg	J	-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	n-Nonatriacontane (nC39)	1.95	mg/kg	J	-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	n-Nonatriacontane (nC39)	2.54	mg/kg	J	-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	n-Nonatriacontane (nC39)	2.68	mg/kg	J	-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	n-Nonatriacontane (nC39)	4.14	mg/kg	J	-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	n-Nonatriacontane (nC39)	2.69	mg/kg	J	-73.986505	40.581087
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	n-Nonatriacontane (nC39)	0.662	mg/kg	J	-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	n-Nonatriacontane (nC39)	0.648	mg/kg	J	-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	n-Octacosane (nC28)	3.87	mg/kg	J	-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	n-Octacosane (nC28)	2.87	mg/kg	J	-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	n-Octacosane (nC28)	4.09	mg/kg	J	-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	n-Octacosane (nC28)	16.7	mg/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	n-Octacosane (nC28)	8.7	mg/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	n-Octacosane (nC28)	1.26	mg/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	n-Octacosane (nC28)	2.5	mg/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	n-Octacosane (nC28)	3.55	mg/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	n-Octadecane (nC18)	3.17	mg/kg	J	-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	n-Octadecane (nC18)	4.79	mg/kg	J	-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	n-Octadecane (nC18)	0.948	mg/kg	J	-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	n-Octadecane (nC18)	1.9	mg/kg	J	-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	n-Octadecane (nC18)	4.02	mg/kg	J	-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	n-Octadecane (nC18)	0.124	mg/kg	J	-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	n-Octadecane (nC18)	0.388	mg/kg	J	-73.98437	40.58275
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	n-Octatriacontane (nC38)	3.9	mg/kg	J	-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	n-Octatriacontane (nC38)	3.85	mg/kg	J	-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	n-Octatriacontane (nC38)	3.36	mg/kg	J	-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	n-Octatriacontane (nC38)	5.68	mg/kg	J	-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	n-Octatriacontane (nC38)	4.36	mg/kg	J	-73.986505	40.581087
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	n-Octatriacontane (nC38)	1.09	mg/kg	J	-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	n-Octatriacontane (nC38)	0.992	mg/kg	J	-73.978669	40.580102
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	Norpristane (1650)	1.83	mg/kg	J	-73.988264	40.57936
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	Norpristane (1650)	3.85	mg/kg	J	-73.986505	40.581087
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	Norpristane (1650)	0.406	mg/kg	J	-73.98437	40.58275

sample_name	sample_date	start_depth	end_depth	depth_unit	dilution_factor	chemical_name	report_result_value	report_result_unit	validator_qualifiers	longitude	latitude
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	n-Pentacosane (nC25)	15.4	mg/kg	J	-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	n-Pentacosane (nC25)	6.47	mg/kg	J	-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	n-Pentacosane (nC25)	14.2	mg/kg	J	-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	n-Pentacosane (nC25)	24.4	mg/kg	J	-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	n-Pentacosane (nC25)	7.85	mg/kg	J	-73.986505	40.581087
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	n-Pentacosane (nC25)	1.98	mg/kg	J	-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	n-Pentacosane (nC25)	2.95	mg/kg		-73.978669	40.580102
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	n-Pentadecane (nC15)	0.956	mg/kg	J	-73.989386	40.579577
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	n-Pentadecane (nC15)	1.65	mg/kg	J	-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	n-Pentadecane (nC15)	1.59	mg/kg	J	-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	n-Pentadecane (nC15)	0.058	mg/kg	J	-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	n-Pentadecane (nC15)	0.151	mg/kg	J	-73.98437	40.58275
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	n-Pentatriacontane (nC35)	25.4	mg/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	n-Pentatriacontane (nC35)	19.7	mg/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	n-Pentatriacontane (nC35)	24.3	mg/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	n-Pentatriacontane (nC35)	46.8	mg/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	n-Pentatriacontane (nC35)	14.4	mg/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	n-Pentatriacontane (nC35)	0.36	mg/kg	J	-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	n-Pentatriacontane (nC35)	6.71	mg/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	n-Pentatriacontane (nC35)	6.78	mg/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	n-Tetracontane (nC40)	2.7	mg/kg	J	-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	n-Tetracontane (nC40)	3.18	mg/kg	J	-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	n-Tetracontane (nC40)	3.44	mg/kg	J	-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	n-Tetracontane (nC40)	4	mg/kg	J	-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	n-Tetracontane (nC40)	5.17	mg/kg		-73.986505	40.581087
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	n-Tetracontane (nC40)	0.674	mg/kg	J	-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	n-Tetracontane (nC40)	0.939	mg/kg	J	-73.978669	40.580102
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	n-Tetracosane (nC24)	4.39	mg/kg	J	-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	n-Tetracosane (nC24)	3.12	mg/kg	J	-73.986505	40.581087
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	n-Tetracosane (nC24)	0.742	mg/kg	J	-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	n-Tetracosane (nC24)	0.331	mg/kg	J	-73.978669	40.580102
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	n-Tetradecane (nC14)	0.968	mg/kg	J	-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	n-Tetradecane (nC14)	1.24	mg/kg	J	-73.986505	40.581087
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	n-Tetratriacontane (nC34)	3.88	mg/kg	J	-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	n-Tetratriacontane (nC34)	5.11	mg/kg	J	-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	n-Tetratriacontane (nC34)	4.05	mg/kg	J	-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	n-Tetratriacontane (nC34)	10.6	mg/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	n-Tetratriacontane (nC34)	4.56	mg/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	n-Tetratriacontane (nC34)	0.099	mg/kg	J	-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	n-Tetratriacontane (nC34)	1.3	mg/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	n-Tetratriacontane (nC34)	3.93	mg/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	n-Triacontane (nC30)	2.85	mg/kg	J	-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	n-Triacontane (nC30)	2.91	mg/kg	J	-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	n-Triacontane (nC30)	2.67	mg/kg	J	-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	n-Triacontane (nC30)	11.3	mg/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	n-Triacontane (nC30)	5.1	mg/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	n-Triacontane (nC30)	0.145	mg/kg	J	-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	n-Triacontane (nC30)	0.936	mg/kg	J	-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	n-Triacontane (nC30)	0.779	mg/kg	J	-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	n-Tricosane (nC23)	2.14	mg/kg	J	-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	n-Tricosane (nC23)	1.51	mg/kg	J	-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	n-Tricosane (nC23)	2.08	mg/kg	J	-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	n-Tricosane (nC23)	4.9	mg/kg	J	-73.987025	40.580419

sample_name	sample_date	start_depth	end_depth	depth_unit	dilution_factor	chemical_name	report_result_value	report_result_unit	validator_qualifiers	longitude	latitude
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	n-Tricosane (nC23)	2.08	mg/kg	J	-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	n-Tricosane (nC23)	0.081	mg/kg	J	-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	n-Tricosane (nC23)	0.44	mg/kg	J	-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	n-Tricosane (nC23)	0.493	mg/kg	J	-73.978669	40.580102
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	n-Tridecane (nC13)	2.06	mg/kg	J	-73.987025	40.580419
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	n-Tritriacontane (nC33)	14.2	mg/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	n-Tritriacontane (nC33)	12.8	mg/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	n-Tritriacontane (nC33)	13.5	mg/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	n-Tritriacontane (nC33)	31.3	mg/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	n-Tritriacontane (nC33)	10.7	mg/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	n-Tritriacontane (nC33)	0.367	mg/kg	J	-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	n-Tritriacontane (nC33)	3.08	mg/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	n-Tritriacontane (nC33)	5.05	mg/kg		-73.978669	40.580102
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	Oxychlordane	0.43	ug/kg	J	-73.989386	40.579577
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	Perylene	1100	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	Perylene	883	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	Perylene	719	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	Perylene	4770	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	Perylene	27.4	ug/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	Perylene	386	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	Perylene	255	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	Perylene	896	ug/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	Phenanthrene	3320	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	Phenanthrene	3070	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	Phenanthrene	2490	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	Phenanthrene	47300	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	Phenanthrene	59.5	ug/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	Phenanthrene	2580	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	Phenanthrene	608	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	5	Phenanthrene	1100	ug/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	5	Phenanthrene	1400	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	5	Phenanthrene	1800	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	5	Phenanthrene	1100	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	5	Phenanthrene	3500	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	5	Phenanthrene	37	ug/kg	J	-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	5	Phenanthrene	410	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	5	Phenanthrene	530	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	Phenanthrene	1620	ug/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	5	Phenol	23	ug/kg	J	-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	5	Phenol	28	ug/kg	J	-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	5	Phenol	53	ug/kg	J	-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	5	Phenol	18	ug/kg	J	-73.986505	40.581087
CI008SG-000015-20121018	10/18/2012	0	15	cm	5	Phenol	29	ug/kg	J	-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	4.9	Phosphorus	1200	mg/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	4.7	Phosphorus	1900	mg/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	4.7	Phosphorus	950	mg/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	4.8	Phosphorus	2200	mg/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	4.6	Phosphorus	990	mg/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	Phosphorus	110	mg/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	4.7	Phosphorus	530	mg/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	4.6	Phosphorus	590	mg/kg	J	-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	Phytane (Ph)	2.44	mg/kg	J	-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	Phytane (Ph)	3.18	mg/kg	J	-73.989386	40.579577

sample_name	sample_date	start_depth	end_depth	depth_unit	dilution_factor	chemical_name	report_result_value	report_result_unit	validator_qualifiers	longitude	latitude
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	Phytane (Ph)	2.29	mg/kg	J	-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	Phytane (Ph)	3.89	mg/kg	J	-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	Phytane (Ph)	12.8	mg/kg	J	-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	Phytane (Ph)	0.11	mg/kg	J	-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	Phytane (Ph)	0.931	mg/kg	J	-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	Phytane (Ph)	0.583	mg/kg	J	-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	50	Potassium	2510	mg/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	50	Potassium	2640	mg/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	50	Potassium	2150	mg/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	50	Potassium	2850	mg/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	50	Potassium	1490	mg/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	50	Potassium	302	mg/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	50	Potassium	759	mg/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	50	Potassium	1660	mg/kg	J	-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	Pristane (Pr)	2.18	mg/kg	J	-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	Pristane (Pr)	2.74	mg/kg	J	-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	Pristane (Pr)	1.89	mg/kg	J	-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	Pristane (Pr)	3.25	mg/kg	J	-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	Pristane (Pr)	3.36	mg/kg	J	-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	Pristane (Pr)	0.112	mg/kg	J	-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	Pristane (Pr)	0.583	mg/kg	J	-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	Pristane (Pr)	0.342	mg/kg	J	-73.978669	40.580102
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	Pyrene	10200	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	Pyrene	8780	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	Pyrene	7110	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	Pyrene	46800	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	Pyrene	227	ug/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	Pyrene	4010	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	Pyrene	2400	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	5	Pyrene	2600	ug/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	5	Pyrene	2400	ug/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	5	Pyrene	2200	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	5	Pyrene	2100	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	5	Pyrene	3600	ug/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	5	Pyrene	130	ug/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	5	Pyrene	720	ug/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	5	Pyrene	1300	ug/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	Pyrene	7560	ug/kg		-73.990296	40.579879
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	Retene	467	ug/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	Retene	342	ug/kg		-73.987025	40.580419
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	Retene	20.5	ug/kg		-73.985191	40.581998
CI001SG-000015-20121013	10/13/2012	0	15	cm	10	Selenium	2.31	mg/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	10	Selenium	2.59	mg/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	10	Selenium	2.18	mg/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	10	Selenium	2.67	mg/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	10	Selenium	1.25	mg/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	10	Selenium	0.34	mg/kg	J	-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	10	Selenium	0.995	mg/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	10	Selenium	0.921	mg/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	2	Silver	3.52	mg/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	2	Silver	4.54	mg/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	2	Silver	4.41	mg/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	2	Silver	4.09	mg/kg		-73.987025	40.580419

sample_name	sample_date	start_depth	end_depth	depth_unit	dilution_factor	chemical_name	report_result_value	report_result_unit	validator_qualifiers	longitude	latitude
CI005SG-000015-20121013	10/13/2012	0	15	cm	2	Silver	1.71	mg/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	2	Silver	0.795	mg/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	2	Silver	1.22	mg/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	2	Silver	1.01	mg/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	50	Sodium	27500	mg/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	50	Sodium	20200	mg/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	50	Sodium	18000	mg/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	50	Sodium	27800	mg/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	50	Sodium	10300	mg/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	50	Sodium	1930	mg/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	50	Sodium	5340	mg/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	50	Sodium	9840	mg/kg	J	-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	Soot Carbon	0.186	%		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	Soot Carbon	0.347	%		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	Soot Carbon	0.275	%		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	Soot Carbon	0.632	%		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	Soot Carbon	4.315	%		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	Soot Carbon	0.033	%		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	Soot Carbon	0.261	%		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	Soot Carbon	0.299	%	J	-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	200	Sulfide	8700	mg/kg	J	-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	200	Sulfide	10000	mg/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	200	Sulfide	7900	mg/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	200	Sulfide	12000	mg/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	200	Sulfide	4600	mg/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	100	Sulfide	330	mg/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	100	Sulfide	530	mg/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	100	Sulfide	3600	mg/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	10	Thallium	0.329	mg/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	10	Thallium	0.466	mg/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	10	Thallium	0.359	mg/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	10	Thallium	0.35	mg/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	10	Thallium	0.184	mg/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	10	Thallium	0.105	mg/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	10	Thallium	0.156	mg/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	10	Thallium	0.198	mg/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	2	Tin	42	mg/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	2	Tin	41.7	mg/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	2	Tin	31.5	mg/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	2	Tin	35.6	mg/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	2	Tin	23.5	mg/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	2	Tin	24.8	mg/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	2	Tin	15.9	mg/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	2	Tin	10.7	mg/kg		-73.978669	40.580102
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	Toluene	14	ug/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	Toluene	0.42	ug/kg	J	-73.986505	40.581087
CI001SG-000015-20121013	10/13/2012	0	15	cm	5	Total Cresol	98	ug/kg	J	-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	5	Total Cresol	140	ug/kg	J	-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	5	Total Cresol	110	ug/kg	J	-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	5	Total Cresol	530	ug/kg	J	-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	5	Total Cresol	150	ug/kg	J	-73.986505	40.581087
CI007SG-000015-20121013	10/13/2012	0	15	cm	5	Total Cresol	130	ug/kg	J	-73.98437	40.58275
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	Total Organic Carbon	8.84	%		-73.990296	40.579879

sample_name	sample_date	start_depth	end_depth	depth_unit	dilution_factor	chemical_name	report_result_value	report_result_unit	validator_qualifiers	longitude	latitude
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	Total Organic Carbon	7.19	%		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	Total Organic Carbon	7.335	%		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	Total Organic Carbon	10.795	%		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	Total Organic Carbon	5.09	%		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	Total Organic Carbon	0.414	%		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	Total Organic Carbon	3.045	%		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	Total Organic Carbon	4	%		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	1	Total Petroleum Hydrocarbons (C9-C40)	9340	mg/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	Total Petroleum Hydrocarbons (C9-C40)	11100	mg/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	1	Total Petroleum Hydrocarbons (C9-C40)	9300	mg/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	1	Total Petroleum Hydrocarbons (C9-C40)	11000	mg/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	1	Total Petroleum Hydrocarbons (C9-C40)	7490	mg/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	Total Petroleum Hydrocarbons (C9-C40)	525	mg/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	1	Total Petroleum Hydrocarbons (C9-C40)	2340	mg/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	1	Total Petroleum Hydrocarbons (C9-C40)	2950	mg/kg		-73.978669	40.580102
CI003SG-000015-20121013	10/13/2012	0	15	cm	40	Toxaphene	140	ug/kg	J	-73.988264	40.57936
CI002SG-000015-20121013	10/13/2012	0	15	cm	1	trans-Nonachlor	46.4	ug/kg		-73.989386	40.579577
CI006SG-000015-20121013	10/13/2012	0	15	cm	1	trans-Nonachlor	2.15	ug/kg		-73.985191	40.581998
CI001SG-000015-20121013	10/13/2012	0	15	cm	10	Vanadium	48.9	mg/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	10	Vanadium	58.9	mg/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	10	Vanadium	48.1	mg/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	10	Vanadium	58	mg/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	10	Vanadium	28.9	mg/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	10	Vanadium	5.68	mg/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	10	Vanadium	16	mg/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	10	Vanadium	28.5	mg/kg		-73.978669	40.580102
CI001SG-000015-20121013	10/13/2012	0	15	cm	50	Zinc	783	mg/kg		-73.990296	40.579879
CI002SG-000015-20121013	10/13/2012	0	15	cm	50	Zinc	1100	mg/kg		-73.989386	40.579577
CI003SG-000015-20121013	10/13/2012	0	15	cm	50	Zinc	872	mg/kg		-73.988264	40.57936
CI004SG-000015-20121013	10/13/2012	0	15	cm	50	Zinc	1050	mg/kg		-73.987025	40.580419
CI005SG-000015-20121013	10/13/2012	0	15	cm	50	Zinc	699	mg/kg		-73.986505	40.581087
CI006SG-000015-20121013	10/13/2012	0	15	cm	50	Zinc	226	mg/kg		-73.985191	40.581998
CI007SG-000015-20121013	10/13/2012	0	15	cm	50	Zinc	356	mg/kg		-73.98437	40.58275
CI008SG-000015-20121018	10/18/2012	0	15	cm	10	Zinc	315	mg/kg		-73.978669	40.580102

Coney Island Creek



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CONTENTS

PAGE	REFERENCE	DATE
2-5	Reconnaissance and Soil/GW BKG pot. sample locations	3/9/21
6-9	Reconnaissance of proposed sample locations via boat	4/6/21
10	Start on-water utility sweep and surface water sampling	4/12/21
11-15	On-water utility sweep and surface water sampling	4/13/21

Scope: Conduct reconnaissance activities of the waterway. Examine potential sample locations, access points and issues.

Personnel: Denise Driscoll (DD) WESTON
Habib Bravo-Ruiz (HBR) WESTON

1330 View coney island creek from Still Well Ave overpass. Steep incline and Rocky terrain to access from shoreline. Shoreline is occupied by commercial and ~~residential~~ industrial facilities. Lots of trash and debris located on shoreline and in creek. We are here during low tide. Areas of sedimentation are at each bend in ~~the~~ creek.

1400 Drive the the 'beginning' of creek at intersection of Shell Rd., W 6th St. and Shore Parkway. There is parking under Belt Parkway here for hospital staff.

There are atleast four outfalls from the surrounding area flowing into the function point. A boom is seen (PHOTO) at one of the outfalls. Small fish and ducks are seen in the water. The entire area is fenced and access to this creek region would have to be done by boat or scaling fencing. Trash and debris was seen throughout the creek and on sedimentation.

1430 Arrive at the overpass of the creek at Cropsey Ave. (parked in starbucks parking lot.) Notice a small outfall discharging into Creek (PHOTO). New and ~~deteriorating~~ deteriorating bulkhead is seen up and down the creek. Access to this area would be by boat. Creek depth varies by area; since we went during low tide areas of sedimentation were at surface. A boom blocking

an area under Cropsey Ave Overpass seems to be blocking a portion of creek. Cant get a better angle. A dock and refueling station is located downstream of the Cropsey Ave overpass. No boat launches were observed thus far.

1500 Drove to Warbasse Granny Park (W. 5th St + Neptune Ave) Could be a good location to collect background So·L/GW samples - parking would be an issue - many pedestrians and people utilizing park.

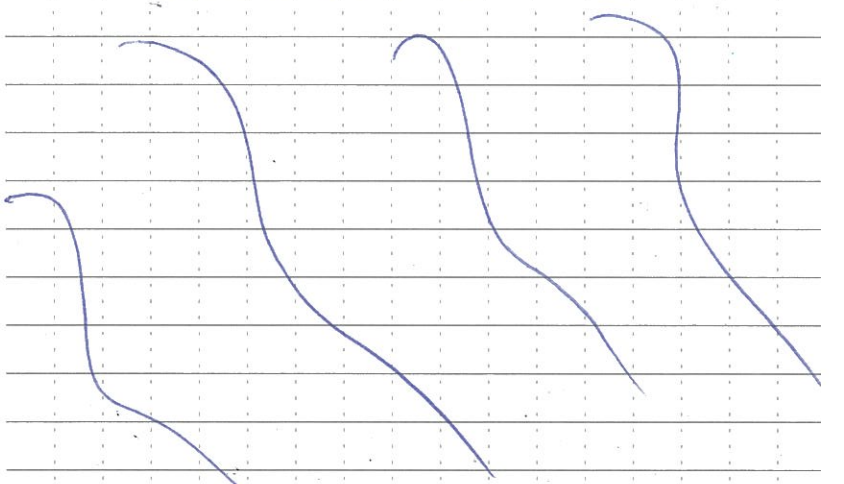
1510 Drove to West Playground to see potential So·L/GW background location. Many dozen kids and pedestrians. Not a good sampling location.

1520 Drove to Six diamond Park at W. 22nd St + Bay 53rd St. Parking less dense - wide open area and ROW - exposed So·l.

Scale: 1 square = Denise Driscoll 3/9/21

This is a good location for So·L/GW background sampling.

1530 A walkway near Cropsey Scrap is locked, but crews are cleaning up trash and unlocked a gate. Path leads all the way around Home Depot and CubeSmart Self Storage - No access to the River, but could be a potential So·L/GW Sampling location. This pathway leads to the Six Diamonds Park.



Scale: 1 square = Denise Driscoll 3/9/21

Rite in the Rain

Coney Island Creek 4/6/21

Scope: Reconnaissance of proposed sample locations via a boat with Aqua Survey

Personnel: Denise Driscoll (WESTON)
Habib Bravo-Ruiz (WESTON)
Mike Doren (Aqua Survey)
Sam Connelly (Aqua Survey)

Weather: Sunny, light winds from North - no rain forecasted.

0800 meet with Aqua Survey from Liberty State Park boat launch.

0830 Leave dock to go to Coney Island Creek with Aqua Survey crew

0900 arrive at mouth of Coney Island Creek. SW/SED01 is going to be in a sandy bank. Not a lot of any sediment at mouth. SED02 will be collected infront of fishing 'pier', SED03, 05 and 08 will be collected in middle of channel creek. SW/SED 04 will be collected by the outfall - outfall seen flowing. SED06 can be accessed by boat when tide is a bit higher.

Scale: 1 square = _____ Denise Driscoll

within the cove. SED07 will be collected off the side of the ballfield/park but not too close since likely fill/manufactured stone used a building base. SW/SED09 will be located by found CSO - very large. SED10 will be located in the corner of the bend in creek before the large blue/red building. Many unknown outfalls are located along the creek. SED/SW11 will be placed near Cropsey Scrap/Salvage. Cannot locate an outfall for that property. DD

1000 Cross under first bridge going to adjust SED 12 further upstream to outfall area. SED 13 near duel outfall/CSO. DD

1030 Cannot pass second overpass in main boat transfer to

Scale: 1 square = _____ Denise Driscoll

Rite in the Rain.

Coney Island Creek 4/6/21

the Jon Boat. TWO sample locations ~~near~~ northern on northern bank adjacent to T & J Scrap. - one at each property end. Very low clearance on third low bridge. Can navigate to SED17 - then boat can't go any further - beach the boat and walk on bank. SED17 near OSC #3 - minor work on land being done - no disturbance to the creek from potential construction. photos sent to D Feno - via phone. Remaining locations by foot - careful to leave time to get in and out during low tide. Indicator fabric seen along length of shore - mesh material. Did not see any disturbance or work/construction at CSO #1. go back to main boat and navigate to Shell

Scale: 1 square = Dana Driscoll

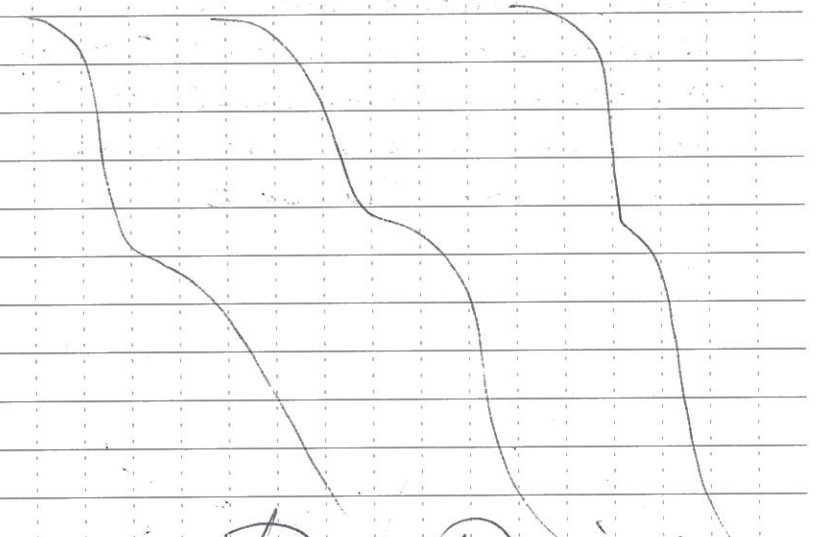
Coney Island Creek 4/6/21

Bank Creek.

1130 arrive at Shell Bank Creek. SED/SW 22 + 23 will be collected from non-resident side (southern bank). SED/SW24 will be collected from middle waterway at ~~int~~ mid-creek and SW/SED25 collected at end of Shell Bank Creek in the NW corner (non-resident)

1230. Navigate back to dock/launch

1315 Complete Recon



Scale: 1 square = Dana Driscoll

Rite in the Rain

4-12-21 Coney Island Creek

0805- WESTON & Liberty Landing Marina, Jersey City to commence surface water and sediment sampling of Coney Island Creek. Awaiting Aqua Survey our subcontractor for this event. —

Weather: Cloudy, breezy, passing rain showers ~50°F. —

WESTON Personnel —

Scott Snyder (SS) Field Lead. —

Eliel Lucero (EL) Sampler. —

0900 - Mike Doren - Boat Capt. arrives. Informs us alternator for the starboard engine is out and we cannot depart for sampling. He's confident we'll be out to go for tomorrow. Decide to regroup tomorrow morning at 0730 hours. Depart —

HBR 4/12/21

Scale: 1 square = _____

4/13/21 Coney Island Creek

Personnel: Habib Brave-Ruiz (HBR) → Weston
Eliel Lucero (EL) → Weston

Scope: Begin on-water utility sweep and surface water sampling. — HBR

Weather: High 62°F, sunny — HBR

0730 Weston personnel arrive at Liberty Landing Marina. Begin unloading sampling equipment and supplies from vehicle.

0800 Aqua Survey arrives at the marina via boat (R/V Tesla, registration: NJ 7232 HA). Boat captain is Mike Doren, scientist/geophysicist is Andrew Froening. — HBR

0805 Weston loads sampling equipment and supplies unto boat. — HBR

0815 Depart Liberty Landing Marina. — HBR

0900 Arrive at Shell Bank Creek. Aqua Survey to check bottom of creek via bathymetric charts before performing utility sweep.

0920 HBR performs calibration of YSI Pro to collect water quality Indicator Parameters (WQIPs)
YSI Pro serial #:

0925 Aqua Survey indicated that they won't be able to perform an utility sweep at location SED/SW25 because their are too much

HBR 4/13/21

Scale: 1 square = _____

Rite in the Rain

0925 changes in depth (irregular creek bottom). They need a different type of instrument to perform the sweep at this area. The instrument that they have onboard today is a Geometrics magnetometer. The magnetometer has to be set approximately 3 feet above the bottom of the creek and might disturb sediment; therefore, Weston will collect the surface water (SW) samples before the magnetometer is deployed.

0940 Collect sample 6100-SW24. ——— HBR

0955 Collect sample 6100-SW23 ——— HBR

1010 Collect sample 6100-SW22 ——— HBR

1025 Aqua Survey begins utility sweep using magnetometer. They started at location SED/SW22 and will end at location SED/SW24. ——— HBR

1045 Utility sweep complete for locations SED/SW22 through SED/SW24. No utilities located. ——— HBR

1050 Collect sample 6100-SW25 ——— HBR

1105 Depart Shell Bank Creek. ——— HBR

1130 Arrive at sampling location SED/SW01 in Coney Island Creek (CCIC).

1140 Collect sample 6100-SW01 and additional

Water Quality Indicator Parameters (WQIPs)

	SW24	SW23	SW22	SW25	SW01	SW04
pH:	6.39	7.47	8.00	7.98	7.95	7.90
Temp (°C):	12.6	10.7	10.6	11.9	11.0	10.9
DO (mg/L):	10.92	9.83	9.68	10.86	10.54	10.23
SpC (mS/cm):	0.26	40.5	42.8	0.39	38.2	0.39
Turbidity (NTU):	29.75	-1.31	-0.80	-3.90	31.21	26.4
ORP (mV):	230.8	265.8	219.2	174.8	90.8	95.7
Time:	0938	0953	1008	1048	1138	1203

* Temp = temperature
* DO = dissolved oxygen
* SpC = Specific conductance
* ORP = oxidation-reduction potential

——— HBR

Sample Summary

ID	HBR	Time		
6100-2/4 SW24		0940		Samples to be analyz
6100-2/3 SW23		0955		for TAL VOCs, SVOCs
6100-2/2 SW22		1010		Pesticides, Aroclors
6100-2/5 SW25		1050		Metals, Mercury,
6100-SW01		1140	MS/MSD	and Cyanide
6100-SW04		1205		

Rite in the Rain

1140 volume for MS/MSD. Aqua survey could not get to the proposed sample location without ~~disturbing~~ HBR disturbing the sediment. Actual sampling location is approximately 15 feet away from the proposed sample location.

1205 Collect sample 6100-SW04. ——— HBR

Note: Aqua survey navigated to all sample locations with a sub-meter accuracy GPS. In addition, Weston collected a GPS point at each sample location using a handheld sub-meter accuracy GPS.

1215 Secure sampling equipment and supplies, and depart CIC. ——— HBR

1245 Arrive at Liberty Landing Marina. Begin unloading sampling equipment and supplies plus samples from the boat. ——— HBR

Note: All samples were preserved in ice since they were collected. ——— HBR

1330 Collect trip blank sample ~~TB~~ HBR 6100-TB01.

1345 Depart marina. ——— HBR

1430 Arrive at Weston's EDC office for sample management. ——— HBR

1700 Sample management complete. Inorganic sample fractions will be shipped via FedEx to CLP lab Bonner Analytical Testing

1700 Company C (2703 Oak Grove Rd, Hattiesburg MS 39402). Organic sample fractions will be delivered to CLP lab Chemtech Consulting Group (284 Sheffield St, Mountainside, NJ 07092) by SAT personnel (Scott Snyder).

1730 1x cooler with inorganic sample fraction delivered at FedEx in Edison.

Late Entry: Organic sample fractions were hand-delivered to Chemtech at 1703 hours by SS. COC#s

2-041321-135607-0001 ———

2-041321-140054-0002 ———

2-041321-140404-0003 ———

2-041321-140640-0004 ———

Inorganic sample fractions were shipped to Bonner under COC# 2-041321-140508-0005, on a FedEx Airbill No. 7734 3218 7110

4/13/21

Rite in the Rain

4-14-21 Coney Island Creek.

0800 - Depart Liberty Landing Marina for Coney Island Creek to continue SW sampling.

Eliel Lucero } WESTON
Scott Snyder }
Mik Doren } Aqua Survey
Andrew Froening }

0820 Arrive @ Coney Island Creek. Weather: Partly cloudy ~50°F. Rain expected later.

- EL calibrates YSI. Same unit as yesterday.
- YSI Pro DSS RFW 22562.
- SS will record locations using a Trimble Geo 7X RFW 21679.
- Each location 120 data points @ 1 s. intervals.

0840 - EL and SS collect surface water sample 6100-SW09 and duplicate sample 6100-SW20 - noted as 0843 on sample jars. Collected directly into jars.

0910 - EL and SS collect surface water sample 6100-SW11 adjacent to Cropsey Scrap Iron and Metal.

Scale: 1 square = _____ [signature] 4/14/21

4-14-21 Coney Island Creek

Water Quality

Location ~~pH~~	SW09	SW11	SW13	SW14
pH	6.67	7.49	7.7	7.75
Temp C	10.2	10.1	10.4	10.5
DO	10.6	8.88	8.75	8.39
SpC	0.5	35.38	34.46	34.74
Turb.	1700	-2.96	-2.58	-3.05
ORP	250.7	203.6	181.5	176.3
Time	0840	0910	0930	0950

0930 - EL and SS collect surface water sample 6100-SW13 near MS4 outfall.

- Move to 6100-SW14. Note: Proposed location on the east side of bridge; however boat cannot fit under bridge therefore move location to west side of bridge. Stillwell Ave bridge. Cannot approach T-J facility.

0950 - EL and SS collect surface water sample 6100-SW14 off Stillwell Ave bridge.

- All samples on ice. Conclude sampling for the day. Aqua Survey will not perform utility sweep for upcoming sediment coring.

Scale: 1 square = _____ [signature] 4/14/21 Rite in the Rain.

4-14-21 Coney Island Creek

1240 - Conduct utility sweep. All locations except SED06. Captain's confident area is clear based on surrounding results. Head back to marina.

1315 - Arrive back at marina.

1330 - Collect Trip Blank [6100-TB02]

1400 - Return to office for sample management.

- Run samples through Scribe.
- Custody seal on 2 pails of fresh ice.
- SS will hand-deliver organic sample fractions tomorrow morning. Inorganic sample fractions will be shipped via FedEx Airbill 7734 4483 9500

Today's COC's #s

- 2-041421-110135-0007
- 2-041421-110828-0008
- 2-041421-111435-0009
- 2-041421-111719-0010 - Inorg. Benner Analytical.

Organic chem tech

4/14/21

Scale: 1 square = _____

4/15/21 Coney Island Creek

Personnel: Habib Bravo-Ruiz (HBR) — HBR
Eliel Lucero (EL) — HBR

Weather: High 54°F, light rain and fog — HBR

Scope: Sediment and surface water (SW) sampling at location SED/SW21. — HBR

0730 EL decontaminates stainless steel 1-gal bucket and ponar dredge per approved UFP QAPP (i.e. Alconox wash and tap/deionized water rinse). All decontamination fluids will be containerized for future characterization and disposal. — HBR

0815 EL collects rinsate blank sample [6100-RIN0] from decontaminated stainless steel bucket

0830 EL collects rinsate blank sample [6100-RIN01] from decontaminated ponar dredge. — HBR

0910 Depart EDC office. — HBR

1010 Arrive at Coney Island Creek overpass on intersection between Shell Road and Shore Parkway. It is high tide. Depth in the center of the creek is approximately 3 feet.

1020 EL collects SW sample [6100-SW20] from overpass using the decontaminated stainless steel bucket. Water is clear and odorless. Water quality (HBR) ~~pre~~ Indicator parameters (WQIPs) were collected using a calibrated YSI Pro. — HBR

Scale: 1 square = _____

HBR 4/15/21

Rite in the Rain

WQIPs ——— HBR

	Temp (°C)	DO (mg/L)	SpC (ms/cm)	pH	ORP (mV)	Turb (NTU)
SW20	14.3	10.19	0.235	7.46	1158.6	25.01

1100 EL performs calibration of MiniRAE 3000 volatile organic (HBR) compound (VOC) detector. ——— HBR

1120 HBR collects sediment sample 6100-SED21 from overpass using the decontaminated power dredge. Photoionization detector (PID) reading of the sediment is 4.1 ppm. Sediment is black silt with little organic matter (i.e. roots, leafs). The sediment emits a strong rotten egg-like odor. The VOC sample fraction was collected directly from the power dredge. The remaining sediment was mixed in a tin pan prior to being placed into sample containers.

1130 EL collects trip blank sample 6100-TB03.

1155 Depart Coney Island Creek. ——— HBR

1235 Arrive at EDC office to perform sample management ——— HBR

1520 Done with sample management. ——— HBR

1530 Inorganic sample fractions delivered to Edison FedEx. Airbill # 773456127350.

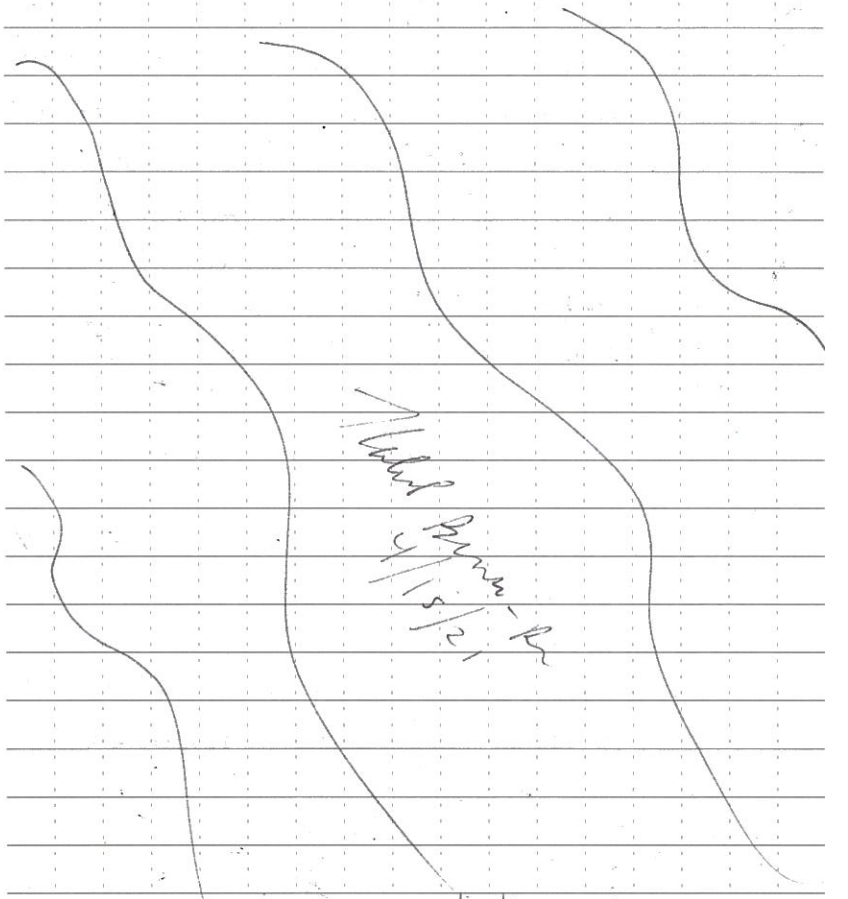
Note: Scott Snyder will hand-deliver organic sample fractions tomorrow morning.

Scale: 1 square = _____ HBR 4/15/21

Note: The sediment grain size sample fraction will be also hand delivered. ——— HBR

Today's COCs

* 2-041521-130753-0011 ——— HBR
* 2-041521-131423-0012 ——— HBR
* 2-041521-131721-0013 ——— HBR



Scale: 1 square = _____ HBR 4/15/21

Rite in the Rain

4/16/21 Coney Island Creek

Personnel: Habib Bravo-Ruiz (HBR) — HBR
Eliel Lucero (EL) — HBR

Weather: High 55°F, sunny and windy. Small aircraft advisory for the PM, might need to stop work early due to wind conditions. — HBR

Scope: Sediment sampling in Coney Island Creek (CIC). — HBR

0730 Weston arrives at Liberty Landing Marina, begin loading sampling equipment and supplies onto Aqua Survey Inc. (ASI) boat. — HBR

0805 ASI prepping boat for departure. Boat captain: Mike Doren, Technician: Andrew Froening

0810 H&S briefing topics: Covid-19, wind conditions, slips, trips, and falls — HBR

0820 Depart Liberty Landing Marina. — HBR

Late Entry: Worked stopped on the way to Coney Island Creek because HBR had an health emergency. He was taken to the nearest port, was evaluated by EMs and then taken to the Richmond University Hospital in Staten Island. No samples were collected today. — HBR

Scale: 1 square = _____ HBR 4/16/21

4-19-21 Coney Island Creek

0815 - Arrived at Coney Island Creek. Weather: Partly sunny ~50°F wind is calm.

WESTON: Scott Snyder, Eliel Lucero

Aqua Survey: Mike Doren, Andrew Froening.

- Due to low water set up ~150' from proposed location.

0830 - H&S briefing: COC, water safety, sun, hydration.

- WESTON don's splash-resistant tyvek and latex booties. Sediment cores will be screened using a calibrated Mini-RAE 3000 (RFW 2404).

- Vibracore refusal @ 4' @ SED01/SW01.
- Water depth 2'. 3' of recovery.
- GPS location by Aqua Survey.
- Sediment Profile: Gray fine sand, trace silt throughout.
- No readings > BG on PID.

0845 - EL collects sediment sample $\boxed{\text{6100-SED01A}}$ - Depth: 0'-1'.

VOC fractions collected using EnCore Sigram dedicated samplers.

Scale: 1 square = _____ [signature] 4/19/21 Rite in the Rain

4-19-21 Coney Island Creek

Remaining sample fractions collected by homogenizing entire interval in a dedicated aluminum pan using a dedicated plastic scoop. Then transfer to sample jars. This sample is on MS/MSD.

0905- EL collects sediment sample 6100-SED01B Depth: 1'-2'.
- Same method as previous.

0915- EL collects sediment sample 6100-SED01C Depth: 2'-3'.
- Same method as previous.
- Samples on ice, move to SED02 (3)

Note: This location immediately adjacent to fishing pier where fishing for consumption has been documented.

1st Attempt to 6' but only 3' of recovery.
2nd Attempt to 6' - with 6' of recovery.
0-2'- 0.5 ppm on PID
2'-4'- 0.5 ppm on PID
4'-6'- 5.4 ppm on PID
} No readings in breathing zone.

Water depth 11'. Entire core is black silt, trace fine sand.

0940- EL collects sediment sample 6100-SED02A Depth 0'-2'.

Scale: 1 square = _____

4/19/21

4-19-21 Coney Island Creek

Same method as previous

0955- EL collects sediment sample 6100-SED02B. Depth 2'-4'.
Same method as previous.

1010- EL collects sediment sample 6100-SED02C Depth 4'-6'.
Same method as previous.

Note- Sand content increased with depth. SED02 (3) - black silt and fine sand.
- Samples on ice, move to SED03 (3)
- Cored to 4', 5.6' of recovery.
0'-2'- Black silt
2'-4'- Black silt and gray fine sand
4'-6'- Black silt.
- No readings >BG on PID.

1110- EL collects sediment sample 6100-SED03A Depth 0'-2'.
- Same method as previous.

1125- EL collects sediment sample 6100-SED03B Depth 2'-4'.
Same method as previous.

1135- EL collects sediment sample 6100-SED03C Depth 4'-6'.
Same method as previous.

Scale: 1 square = _____

4/19/21

Rite in the Rain.

4-19-21 Coney Island Creek.

- Samples on ice. Move to SED04
- Water depth at SED03 = 18'
- Core SED04 to 6', 5.2' of recovery. Water depth = 16'.
  0'-2' Gray fine sand, some silt.
  2'-4' Black silt, trace fine sand.
  4'-6' Same.

0'-2' 31 ppm on PID.
2'-4' No PID or BG
4'-6' 1 ppm on PID.
} No reading TBC in breathing zone.

1215 - EL collects sediment sample 6100-SED04A. Depth 0'-2'.
1230 - EL collects sediment sample 6100-SED04B. Depth 2'-4'.
Same method as previous.
1240 - EL collects sediment sample 6100-SED04C. Depth 4'-6'.
Same method as previous.
- Samples on ice, move to SED05.
- Core SED05 to 6', 5.3' of recovery. Water depth 19'.

0'-2' 3 ppm on PID
2'-4' 1 ppm on PID
4'-6' 7.4 ppm on PID
} Breathing zone OK.

- Entire core is black silt, trace fine sand.

4/19/21

Scale: 1 square = _____

4-19-21 Coney Island Creek

1320 EL collects sediment sample 6100-SED05A. Depth 0'-2'.
1335 - EL collects sediment sample 6100-SED05B. Depth 2'-4'.
1345 - EL collects sediment sample 6100-SED05C. Depth 4'-6'.
- All samples collected same method as previous.
1405 Stow equipment, prepare to head back to marina.
1510 - Return to marina.
1530 - Return to office for sample management. Run samples through Scribe. Pack on fresh ice.
1900 - Arrive FedEx. Ship 3 coolers to Chemtech under COC #'s
2-041921-154913-0015
2-041921-155442-0016
2-041921-155912-0017
FedEx Airbill 7734 8659 1503
One cooler to Bonner
2-041921-160144-0018
Airbill: 7734 8679 6945.
One cooler to Chemtech for subcontracted TOC analysis.

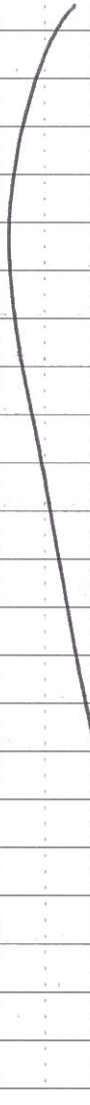
Scale: 1 square = _____

Partly Rain.

4-19-21 Coney Island Creek

2- 041921-160506-0019.

Airbill: 7734 8686 1461.



Scale: 1 square = _____

4/19/21

4-20-21 Coney Island Creek

0840. Arrive @ Shell Bank Creek to continue SI sediment sampling.

SED25 - water depth 19'.

Shell Bak Creek is background location. Same WESTON and ASI crew as yesterday.

Weather: Clear, breezy, ~56°F.

0845 - H&S briefing - EOG, boat safety, sunscreen, prep PPE for sediment sampling, hydration.

0850. EL & SS collect rinsate blank 6100-RIN03 from decontaminated Vibracore nosecone.

- 1ST Attempt @ SED25 no recovery. Move boat a few feet east.

2ND Attempt to 6'. 5.2' of recovery.

Background PID: 0.0 ppm.

0'-2'- Brown silt and fine sand.

2'-4' Brown & black silt, trace fine sand. 4'-6': Same.

0'-2' and 2'-4'- No PID > 0.6.

4'-6': 6.4 ppm on PID.

0925 - EL collects sediment sample 6100-SED25A and duplicate sample 6100-SED26A Depth 0'-2'. Duplicate w/ illegible time of collection @ 0930

Scale: 1 square = _____

4/24/21

Rite in the Rain.

4-20-21 Coney Island Creek

- All sample collection methods same as yesterday.

1005 - EL collects sediment sample 6100-SED25B Depth 2'-4'.

1020 - EL collects sediment sample 6100-SED25C. Depth 4'-6'.

Water depth @ SED25 = 19'.

- Samples on ice, move to SED24.

- Water depth @ SED24 = 16'.

- Core advanced 6'. 6' of recovery.

0'-1' - Brown fine sand and silt.

1'-3' - Brown silt, some fine sand.

3'-5' - Brown fine sand and silt.

5'-6' - Black silt, trace fine sand.

1055 - EL collects sediment sample 6100-SED24A Depth 0'-2'.

Breathing Zone OK
0'-2' - 3 ppm on PID
2'-4' - No reading > BG
4'-6' - 3 ppm on PID.

1110 - EL collects sediment sample 6100-SED24B. Depth 2'-4'.

1120 - EL collects sediment sample 6100-SED24C. Depth 4'-6'.

Samples on ice, move to SED23.

Scale: 1 square = _____

4/20/21

Advance 6' @ SED23. 5.2' of recovery.

Water depth: 3'.

Breathing Zone OK
0'-2' - 4 ppm on PID
2'-4' - 8 ppm on PID
4'-6' - 2 ppm on PID

0'-2' - Dark grey fine sand, some silt.

2'-6' - Dark grey silt and clay.

1200 - EL collects sediment sample 6100-SED23A Depth 0'-2'.

1215 - EL collects sediment sample 6100-SED23B. Depth 2'-4'.

1225 - SS collects sediment sample 6106-SED23C. Depth 4'-6'.

- Samples on ice, move to SED22.

- Water depth @ SED22 = 3'. Core advanced 7.5'. 6.7' feet of recovery.

0'-1' - Dark grey fine sand silt and clay.

1'-2' Dark grey silt and clay some f. sand.

2'-6' Dark grey silt and clay trace f. sand.

Breathing Zone OK
0'-2' 148 ppm on PID.
2'-4' 45 ppm on PID
4'-6' 1 ppm on PID

1250 - EL collects sediment sample 6100-SED22A Depth 0'-2'.

1305 - EL collects sediment sample

Scale: 1 square = _____

4/20/21

Rain

4-20-21 Coney Island Creek

6100-SED22B (MS/MSD). Depth 2'-4'.

1315-SS collects sediment sample

6100-SED22C Depth 4'-6'.

Samples on ice, conclude sampling at Shell Bank Creek.

1400- Back in Coney Island Creek @ SED06.

Core advanced 5.5', 4.8' of recovery. Sampling intervals will be +-1.5, 1.5-3, 3-4.5.

- Entire core is dark gray f. sand some silt. No readings > BG on PID.

1410- EL collects sediment sample

6100-SED06A. Depth 0-1.5'.

Water depth = 3'.

1420- EL collects sediment sample

6100-SED06B Depth 1.5'-3'.

1430- SS collects sediment sample

6100-SED06C Depth 3'-4.5'.

Samples on ice return to marina.

1600- Return to office for sample mgmt. Run samples through Scribe. Pack of fresh ice.

Scale: 1 square = _____

4/26/21

4-20-21 Coney Island Creek

- Tomorrow SS will hand-deliver 3 CLP coolers to ~~Fed~~ Chemtech and 1 non-CLP cooler.

- 2-042021-162937-0022
- 2-042021-161653-0020
- 2-042021-162329-0021
- 2-042-021-164725-0024

1815- Arrive FedEx ship one cooler to Bonner under COC#2-042021-163411-0023 and Airbill No. 7735 0016 0257.

Scale: 1 square = _____

4/26/21 Rain in the Rain.

4/23/21 Coney Island Creek

0845 - Arrived at Coney Island Creek
Weather: Sunny, 45°F, 11mph winds, small aircraft advisory in the fpn, might need to stop work early due to the wind conditions. (EC)

scope - continue sediment sampling in Coney Island Creek (CCIC). (EC)

personnel: Eliel Lucero (EL) (EC)
Matt Ewald (ME) (EC)

ASI personnel:
Andrew Fruering (EC)

H&S - Covid-19, windy conditions (EC)

0855 - Captain tried anchoring boat at location 7 but water was to shallow. Moving on to tried location 9. (EC)

0900 - 1st attempt to 7.5ft, recovery of 6.3ft. water depth was 2.2ft. (EC)

0'-5' dark grey fine sand and silt (EC)
5'-6' dark grey fine sand (EC)

0'-2' 1.2 ppm on PID
2'-4' 14.3 ppm on PID
4'-6' 5.2 ppm on PID
} Breathing zone Ok.

0910 - Matt & Eliel collects samples.

0915 - Sample 6100-SED09A collected from 0'-2'. (EC)

Scale: 1 square = _____

4/23/21 Coney Island Creek

0930 - Sample 6100-SED09B collected from 2'-4'. (EC)

0940 - Sample 6100-SED09C collected from 4'-6' (EC)

NOTE - After collecting samples, Andrew from ASI informed us that the sample recovered had been lay down backwards, therefore, sample 6100-SED09A should be 6100-SED09C and vice versa. (EC)

0950 - samples on ice, moved to SED08.

1045 - After struggling to ~~set the~~ anchor the boat, ASI finally tried the 1st attempt. ASI first attempt went down to 6.5ft and recovered 4.6ft (EC)

0'-0.5' dark grey silty sand and clay.
0.5'-4.6' dark grey sand (EC)

0-1.5 5.2 ppm on PID
1.5-3.0 2.1 ppm on PID
3.0-4.5 0.0 ppm on PID
} Breathing zone ok.

1050 - Matt and Eliel collect samples (EC)

1100 - Sample 6100-SED08A collected from 0'-1.5'. (EC)

1110 - Sample 6100-SED08B collected from 1.5'-3.0'. (EC)

1120 - Sample 6100-SED08C collected from 3.0'-4.5' (EC)

Scale: 1 square = _____ (ET) 4/23/21

Rite in the Rain

4/23/21 Coney Island Creek

1130 - ASI tried anchoring the boat at SED07 location but the winds had become stronger. The boat captain decided to call it a day due to the weather conditions. — EC

NOTE - DUP sample was collected at the same time SED09 samples were collected. The time of the 6100-SED26B sample collection was 0935. — EC

1245 - Returned back to the Marina. — EC

1320 - Arrived back at EDC office to perform sample management. — EC

1430 - Completed sample management. — EC

Eliel 4/23/21

Scale: 1 square =_____

4/26/21 Coney Island Creek Pg. 1 of 37

Personnel: Eliel Lucero (EC) — EC
Alex Baggott (AB) — EC
ASI - Mike Doren — EC
Andrew Fruering — EC
Albert DeMange — EC

Weather: 43°F sunny, 48% humidity, NW 12-mph winds, high of 61°F — EC

Scope: Continue sediment sampling at Coney Island Creek. — EC

0730 - Weston arrives at Liberty Landing Marina. — EC

0750 - Boat departs Marina, en route to Coney Island Creek. — EC

0820 - Arrived at Coney Island Creek. Will begin sampling at SED07 location.

NOTE: MiniRae (PID) not working, will get a new unit for tomorrow. — EC

0840 First attempt down to 8ft, recovery of 8ft, water depth 16.5 — EC

0'-5' Dark grey silt — EC

5'-8' Dark grey silt trace of sand — EC

0850 - Alex and Eliel start collecting samples — EC

0855 - Sample 6100-SED07A & MS/MSD collected from 0'-2'. — EC

Scale: 1 square =_____

Rite in the Rain

4/26/21 Coney Island Creek 2 of 4

0905 - Sample 6100-SED07B collected from 2'-4'

0915 - Sample 6100-SED07C collected from 4'-6'

0925 - Dup sample 6100-SED26C collected at same interval.

0940 - Moved to SED10 location

0950 - First attempt down to 6ft, recovery of 5.5ft. Water depth of about 3ft.

0'-3' Dark grey silt.

3'-5.5' Dark grey sand trace of silt.

1010 - Alex and Eliel start collecting samples

1020 - Sample ~~SED~~ 6100-SED10A collected from 0'-1.8'

1030 - Sample 6100-SED10B collected from 1.8-3.6'

1040 - Sample 6100-SED10C collected from 3.6'-5.5'

1050 - Moved to SED11 location

1100 - First attempt only down to 4ft (refusal), recovery of 3.4ft. Water depth of 4.2ft.

0'-3' Dark grey sand

3'-3.4' Dark grey sand trace of silt.

Scale: 1 square = _____

4/26/21 Coney Island Creek 3 of 4

1105 - Alex and Eliel start collecting samples.

1110 - Sample 6100-SED11A collected from 0'-1.1'

1120 - Sample 6100-SED11B collected from 1.1'-2.4'

1130 - Sample 6100-SED11C collected from 2.4'-3.4'

1140 - Moved to SED12 location

1145 - First attempt hit refusal at 3ft. recovery was 2.4ft. ASI will try 2nd attempt.

1150 - Second attempt refusal at 3ft. recovery was 1.4ft

1200 - Third attempt refusal at 3ft. recovery was 1ft.

1205 - Spoke with Denise D. and Gerry G., they both agree to us collecting SED12A and B samples from the first attempt.

1010 - Water depth at SED12 location was of 5.7ft.

Alex and Eliel start collecting samples

NOTE: 0'-2.4' Dark grey sand observed broken bricks debri.

1215 - Sample SED12A collected from 0-1.2'

1225 - Sample 6100-SED12B collected from 1.2'-2.4'

Scale: 1 square = _____

Rite in the Rain.

4/26/21 Coney Island Creek 4 of 4

1235 - Moved to SED13 location

1240 - First attempt down to 8ft., recovery was 6.4ft, water depth was 5.4ft.

0'-5' Dark grey silt

5'-6.4 Drak grey silt trace of sand

1250 - Alex and Eliel begin collecting samples

1300 - Sample 6100-SED13A collected from 0'-2'.

1310 - Sample 6100-SED13B collected from 2'-4'

1320 - Sample 6100-SED13C collected from 4'-6'

1330 - Completed sampling for today, heading back to the marina.

1410 - Arrived at the Marina, unloading coolers.

1420 - Leaving Marina, heading back to EDC office.

1500 - Arrived at EDC office, beging sample management.

1700 - Completed sample management. Relinquished coolers for inorganics, kept TOC and grain size on hold.

Eliel 4/26/21

Scale: 1 square = _____

4/27/21 Coney Island Creek

Personnel: Eliel Cuevo (EC)

Alex Baggott (AB)

ASI - Mike Doren

Andrew Frivering

Weather - 46°F cloudy, 45% humidity SSE 0mph winds, high of 68°F

Scope: Continue sediment sampling via slambar and ponar.

0715 - Weston arrives at Liberty Landing Marina. MiniRae calibration complete calibration Ok. Weston starts loading coolers on to ASI's boat.

0800 - Boat departs Maring

0815 - Boat arrives at loading dock to pick up jon boat for sample collection.

0840 - Left loading dock area Leading to Coney Island Creek.

0910 - Arrived at Coney Island Creek

0930 - ASI getting jon boat ready to go and collect samples.

0940 - Mike Doren & Eliel tried to get to SED16-20 locations but tide is too high, therefore we cannot get through bridge. Per Mike, we have to wait a couple hrs.

Scale: 1 square = _____

Rite in the Rain

4/27/21 Corey Island Creek pg. 2of4

1000 - Spoke to Denise D. and explain the situation.

1045 - ASI left on jon boat to collect slam bar SED14 & SED15 locations using slam bar.

1105 - ASI returned with SED14 sample. Slam bar went down to 3ft. recovery was 2.4ft.

0-0.9' Dark gray silt

0.9'-2.4' Dark brown sand trace of clay

0-1' 0 PID } Breathing zone Ok.

0-2' 0 PID }

1110 - Sample 6100-SED14A & MS/MSD collected

1145 - ASI left ~~to~~ boat to go and collect SED15 with slam bar

1130 - ASI returned back with SED15 sample. Slam bar went down to 4.5ft. Recovery was of 4.2ft.

0'-4.2' Dark gray silt ~~and~~ trace of sand

0-1 62.5 ppm on PID } Breathing zone Ok.

0-2 30.3 ppm on PID }

0-3 29.7 ppm on PID }

0-4 57.7 ppm on PID }

1145 - Sample 6100-SED15A collected

Scale: 1 square = _____

4/27/21 Corey Island Creek

1150 Sample (DUP) 6100-SED17A collected.

NOTE: Shiel & Mike left boat and went to grab SED16-20 samples on jon boat

1230 - Returned from jon boat after collecting SED16-20 samples

SED20 was collected via scoop since the water was very shallow to be collected by ponar.

SED19 was collected by ponar

SED18 was collected by scoop for the same reason as SED20 (water was too shallow)

SED17 was collected by ponar

SED16 was also collected by scoop due to the water being too shallow

1300 - Sample 6100-SED20A collected.

1315 - Sample 6100-SED19A collected

1330 - Sample 6100-SED18A collected

1345 - Sample 6100-SED17A collected

1400 - Sample 6100-SED16A collected

NOTE: SED20, Dark grey sand trace of silt. No PID readings.

SED19, Dark grey sand, no PID readings

SED18, Dark grey silt, trace of sand, 2.5 ppm PID

SED17, Dark grey silt, trace of sand, 1.5 ppm PID.

SED16, Dark brown sand trace of silt no PID reading

Scale: 1 square = _____

Rite in the Rain

4/27/21 Coney Island Creek

Pg. 4 of 4.

1410 - Collected 6100-RIN04 (slam bar) sample.
1420 - Collected 6100-RIN05 (Ponar) sample.
1422 - Heading back to Marina — EC
1450 - Arrived back at the Marina — EC
1500 - Unload and load all coolers, heading back to EDC office for sample management.
1540 - Arrived at EDC office, begin sample management. — EC
1730 - Sample management completed — EC
NOTE: Sample 6100-SED15D sample was collected at 1155. — EC
1730 - Relinquished all samples via Fedex.

EC 4/27/21

Scale: 1 square =_____

5-28-21 Coney Island Creek

1005 - Scott Snyder Study Area soil background sample location. To oversee pre-sampling utility sweep. Weather: Partly sunny ~75°F. — Grass ROW off EB Belt Pkwy exit for Crepsey & Stillwell Ave. —
1015 - Terry Hobart, ADT arrives. Perform markout with RF, GPR. - Observe gas pipeline flags NE of 6100B-S01. —
1040 - All clear S02, put down pin flg.
1050 - All clear S01, put down pin flg. - GPS both locations in case flgs are removed. —
1055 - Depart. —

Photo Log

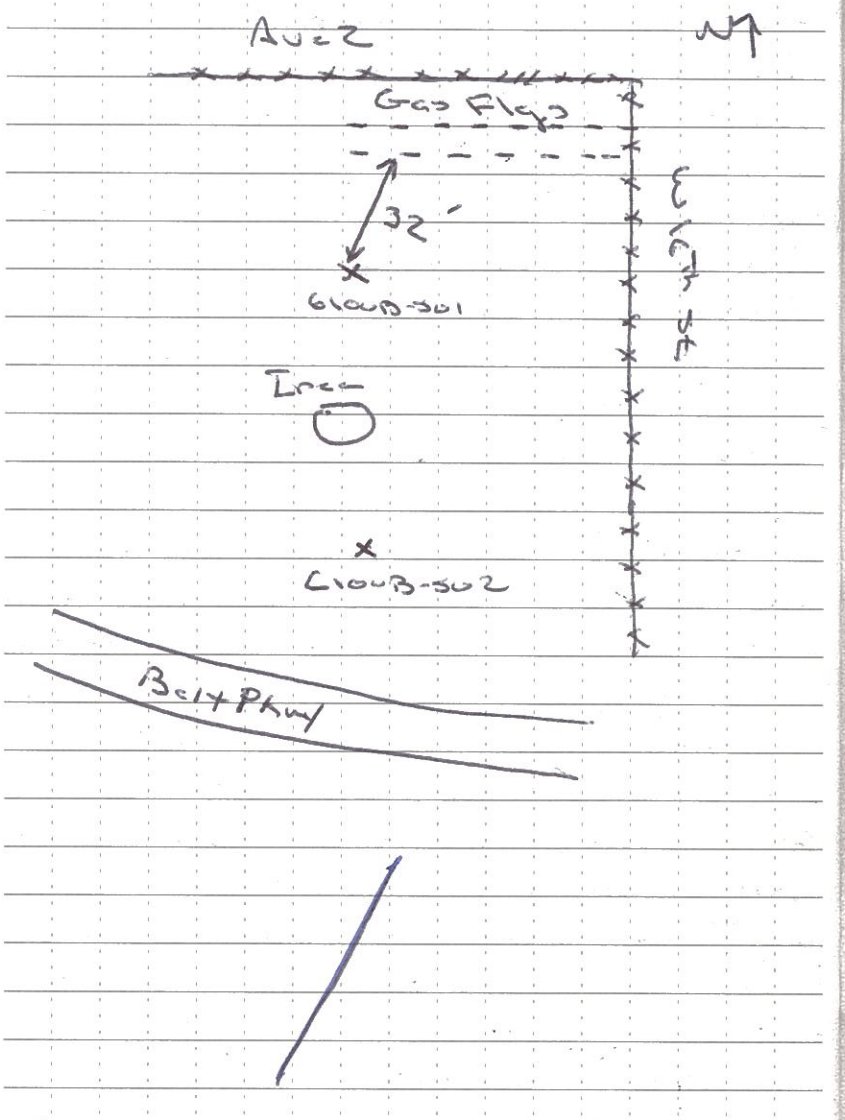
6100-5-28-01: GPR @ 6100B-S02. —
6100-5-28-02: Pin flg @ S02. —
6100-5-28-03: Gas pipe flgs. —
6100-5-28-04: RF @ 6100B-S01. —
6100-5-28-05: Pin flg @ S01. —

5/28/21

Scale: 1 square =_____

Rite in the Rain

5-28-21 Coney Island Creek



Scale: 1 square = _____

5/28/21

6-7-21 Coney Island Creek

1345 - Arrive at background location to collect background soil samples. —

WESTON - SATV Personnel. —

Scott Snyder - Site manager —

Kelly Goffney - Sampler —

Aaron Rappoli - Geologist. —

ADT Direct-push subcontractor. —

- George Raymond - Driller. —
- Chris Peters - Asst. Driller. —

- Begin drilling @ 6100B-S02. —

- VOC fractions collected using Encore 5-gram samplers. Remaining sample fractions transferred from sleeve to a dedicated aluminum pan the homogenized using a dedicated plastic scoop. Then transferred to sample jars. AR will log soil profile on separate Geoprobe logsheets. —

The following samples were collected by KG and AR from the background boreholes.

1405 - 6100B-S02 and duplicate sample 6100B-S03, depth 0'-2'. TOC for dup. = 1410. —

1415 - 6100B-SS02A, depth 5'-6'. —

1420 - 6100B-SS02B, depth 6'-7.5'

Scale: 1 square = _____

6/7/21

Rite in the Rain

6-7-21 Coney Island Creek

- Move to G100B-301 (photo).
- Reach 10', install temp. well.
- Grab bucket auger and knowing GPS Trimble Geo 7X (#WSH00808). 120 data points @ one second intervals.
- Soil sample collected by KG AR
1435 G100B-301 (MS/MSD) 0'-2'.
1440 G100B-301A depth: 5'-6.5'
1443 G100B-301B depth: 7'-8.5'
- Secure temp well with bentonite and plastic caps leave for the night and sample tomorrow. (photo)
1500 - Depart site.
1640 - Return to office for sample mgmt. Run samples through Scribe picken Fresh ice.
1830 - Drop samples at FedEx
- Ship one cooler of organics to Chemtech under COC# 2-060721-175056-0001. Airbill # 7739 3199 3470.
- Ship one cooler of inorganics to Pace. 2-060721-190000-0012 / 7739 3210 2971

Scale: 1 square = _____

6/7/21



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Logbook #2 of 2
DCN: SAT-V.6100.0056

6-8-21 CIC

0915 - WESTON SATV returns to background location to determine if there is sufficient recharge to collect samples from temp. well installed yesterday.
Weather: Hazy, hot, humid ~85°F. -
- Wells are as we left them yesterday
- no tampering.
- Screen with PID. S01 = 0.6 ppm
S02 = 0.0 ppm.
Static DTW @ S02 = ~~9.12~~ 9.46 (3) from TOC
~~0.82~~ 1.16' of water
Total 10.2' well depth TOC
Static DTW @ S01 = 8.36' from TOC
Total = 10.20. AR will record sampling on separate log sheets.
- Set up to sample @ 6100B-S01. -
- AR calibrates YSI water quality meter.
1000 Begin purging using a peristaltic pump. 250 mL/minute.
1010 - AR and KG collect groundwater sample 6100B-GW01 (MS/MSD) and duplicate sample 6100B-GW03. TOC for dup. 1015 pH = 7.2
1230 - Move to 6100B-S02. -
- Try to purge; however, insufficient

Scale: 1 square = _____

6/8/21

6-8-21 CIC

yield from well to collect a sample.
Abandon well. 6100B-GW02 not collected.
Pull wells. Soil cuttings back in borehole.
1255 - SS collects Trip Blank 6100B-TB01.
- Pack up equipment and samples. -
1340 - Return to office for sample mgmt. Run samples through Scribe, pack on fresh ice.
- Habib Bravo-Ruiz will hand-deliver the three organic coolers to Chemtech tomorrow under COC#s.
2-060821-135506-0003.
2-060821-140206-0004.
2-060821-140~~552~~ 522 (3) - 0005.
1600 - Drop one cooler of inorganics at FedEx. Ship to Pace Analytical under COC# 2-060821-140806-0006 and Airbill # 7739 4085 1304. -

Scale: 1 square = _____

6/8/21

Rite in the Rain

Photo Documentation
Coney Island Creek
Site Investigation Sampling (Sediment and Surface Water Sampling)
April 13, 2021 through April 27, 2021



Photo No. 1: MS4 Outfall from location 6100-SW09.



Photo No. 2: WESTON personnel collecting surface water sample 6100-SW09 directly into a sample container over the side of the barge prior to collection of sediment samples.

Photo Documentation
Coney Island Creek
Site Investigation Sampling (Sediment and Surface Water Sampling)
April 13, 2021 through April 27, 2021



Photo No. 3: Sediment was collected using manually advanced Geoprobe coring tools. Dedicated EnCore sampling devices were used to collect VOC sediment sample fractions directly from the acetate sleeve.



Photo No. 4: The sediment sampling interval was homogenized using dedicated plastic scoops and aluminum pans.

Photo Documentation
Coney Island Creek
Site Investigation Sampling (Sediment and Surface Water Sampling)
April 13, 2021 through April 27, 2021



Photo No. 5: Sediment Cores were opened on the boat and screened using a MultiRAE Gas Monitor.



Photo No. 6: WESTON personnel collected rinsate blanks from decontaminated non-dedicated equipment (i.e., Cutting shoe) to document adequate decontamination proceedures.

Photo Documentation
Coney Island Creek
Site Investigation Sampling (Sediment and Surface Water Sampling)
April 13, 2021 through April 27, 2021



Photo No. 7: Outfall from 6100-SW13.



Photo No. 7: Surface water was collected using dedicated bucket over the side of a outfall

Photo Documentation
Coney Island Creek
Site Investigation Sampling (Sediment and Surface Water Sampling)
April 13, 2021 through April 27, 2021

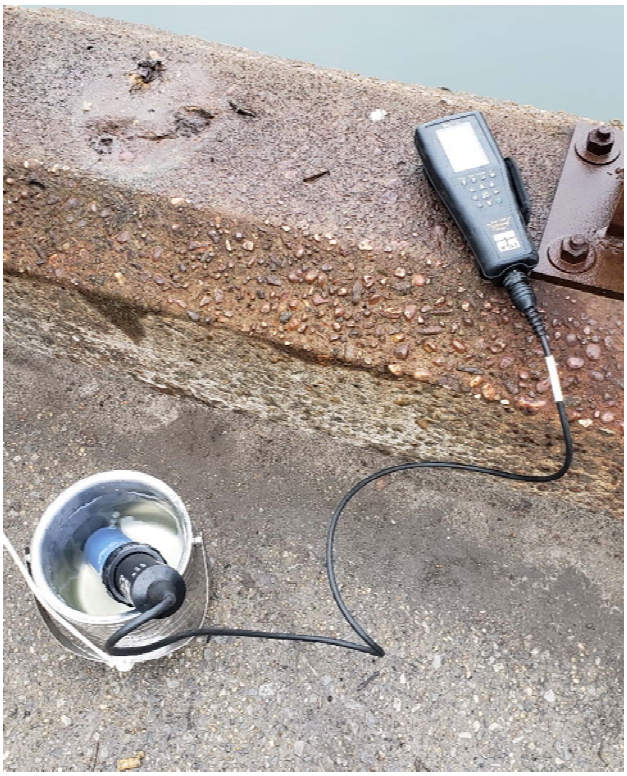


Photo No. 9: Surface water samples were monitored using a YSI Pro DSS to get a base screening of water quality.



Photo No. 10: The Ponar dredge contents were screened using a PID prior to collection of all sample fractions. Following collection of the VOC fraction, the dredge contents were homogenized using dedicated plastic scoops and aluminum pans.

SAMPLING TRIP REPORT

SITE NAME: Coney Island Creek
DCN: SAT-V.6100.0038
W.O.: 40200.026.030.6100
CLP Case No.: 49391

EPA ID NO.: NYN000203538

SAMPLING DATES: April 13–15, 19, 20, 23, 26, and 27, 2021

1. Sample Locations: Refer to Figure 1

2. Sample Descriptions: Refer to Table 1

3. Laboratories Receiving Samples:

Analyses	Name and Address of Laboratory
CLP Laboratory: Organic Target Analyte List (TAL) Volatile Organic Compounds (VOC), Semivolatile Organic Compounds (SVOC), Pesticides, and Aroclors	Chemtech Consulting Group (Chemtech) 284 Sheffield Street Mountainside, NJ 07092
CLP Laboratory: Inductively Coupled Plasma-Atomic Emission Spectrometry (ICP-AES) 11+ Metals (including mercury [Hg] and cyanide [CN])	Bonner Analytical Testing Company (Bonner) 2703 Oak Grove Road Hattiesburg, MS 39402
Non-CLP Laboratory: Total Organic Carbon (TOC)	Chemtech 284 Sheffield Street Mountainside, NJ 07092
Non-CLP Laboratory: Grain Size (GS)	EPA Region 2 Laboratory Services and Applied Science Division (LSASD) 2890 Woodbridge, Avenue Edison, NJ 08837

4. Sample Dispatch Data:

- Six surface water samples and one trip blank sample (Organic TAL VOCs only) for Organic TAL VOC, SVOC, Pesticide, and Aroclor analyses were hand-delivered to Chemtech on April 13, 2021 at 1705 hours.

- Six surface water samples for ICP-AES 11+ Metals (including Hg and CN) analyses were shipped to Bonner via Federal Express Air Waybill No. 7734 3218 7418 on April 13, 2021 at 1730 hours.

- Five surface water samples for ICP-AES 11+ Metals (including Hg and CN) analyses were shipped to Bonner via Federal Express Air Waybill No. 7734 4483 9500 on April 14, 2021 at 1630 hours.

- Five surface water samples and one trip blank (Organic TAL VOCs only) for Organic TAL VOC, SVOC, Pesticide, and Aroclor analyses were hand-delivered to Chemtech on April 15, 2021 at 0900 hours.

- One surface water sample, one sediment sample, and two aqueous rinsate blanks for ICP-AES 11+ Metals (including Hg and CN) analyses were shipped to Bonner via Federal Express Air Waybill No. 7734 5612 7350 on April 15, 2021 at 1530 hours.

- One surface water sample, one sediment sample, two aqueous rinsate blanks, and one trip blank (Organic TAL VOCs only) for Organic TAL VOC, SVOC, Pesticide, and Aroclor analyses were hand-delivered to Chemtech on April 16, 2021 at 0845 hours.

- Fifteen sediment samples for Organic TAL VOC, SVOC, Pesticide, and Aroclor analyses were shipped to Chemtech via Federal Express Air Waybill No. 7734 8668 8212 on April 19, 2021 at 1800 hours.

- Fifteen sediment samples for ICP-AES 11+ Metals (including Hg and CN) analyses were shipped to Bonner via Federal Express Air Waybill No. 7734 8679 6945 on April 19, 2021 at 1800 hours.

- Sixteen sediment samples for TOC analysis were shipped to Chemtech via Federal Express Air Waybill No. 7734 8686 1461 on April 19, 2021 at 1800 hours.

- Sixteen sediment samples and one aqueous rinsate blanks for ICP-AES 11+ Metals (including Hg and CN) analyses were shipped to Bonner via Federal Express Air Waybill No. 7735 0016 0257 on April 20, 2021 at 1815 hours.

- Sixteen sediment samples and one aqueous rinsate blank for Organic TAL VOC, SVOC, Pesticide, and Aroclor analyses were hand-delivered to Chemtech on April 21, 2021 at 0910 hours.

- Sixteen sediment samples for TOC analysis were hand-delivered to Chemtech on April 21, 2021 at 0910 hours.

- Thirty-two sediment samples for GS analysis were hand-delivered to the LSASD laboratory on April 22, 2021 at 0905 hours.

- Seven sediment samples for Organic TAL VOC, SVOC, Pesticide, and Aroclor analyses were hand-delivered to Chemtech on April 23, 2021 at 1525 hours.

- Seven sediment samples for ICP-AES 11+ Metals (including Hg and CN) analyses were shipped to Bonner via Federal Express Air Waybill No. 7735 3239 5300 on April 23, 2021 at 1400 hours.

- Seven sediment samples for TOC analysis were hand-delivered to Chemtech on April 23, 2021 at 1525 hours.

- Fifteen sediment samples for ICP-AES 11+ Metals (including Hg and CN) analyses were shipped to Bonner via Federal Express Air Waybill No. 7735 4934 5643 on April 26, 2021 at 1700 hours.

- Fifteen sediment samples for Organic TAL VOC, SVOC, Pesticide, and Aroclor analyses were shipped to Chemtech via Federal Express Air Waybill No. 7735 4970 8227 on April 26, 2021 at 1700 hours.

- Twenty-four sediment samples for TOC analysis were shipped to Chemtech via federal Express Air Waybill No. 7735 5923 5180 on April 27, 2021 at 1730 hours.

- Thirty sediment samples for GS analysis were shipped to LSASD laboratory via federal Express Air Waybill No. 7735 5977 1285 on April 27, 2021 at 1730 hours.

- Nine sediment samples and two aqueous rinsate blanks for ICP-AES 11+ Metals (including Hg and CN) analyses were shipped to Bonner via Federal Express Air Waybill No. 7735 5957 9534 on April 27, 2021 at 1730 hours.

- Two aqueous rinsate blanks for Organic TAL VOC, SVOC, Pesticide and Aroclor analyses were shipped to Chemtech via Federal Express Air Waybill No. 7735 5941 6880 on April 27, 2021 at 1730 hours.

- Six sediment samples for Organic TAL VOC, SVOC, Pesticide, and Aroclor analyses were shipped to Chemtech via Federal Express Air Waybill No. 7735 5941 6813 on April 27, 2021 at 1730 hours.

- Three sediment samples for Organic TAL VOC, SVOC, Pesticide, and Aroclor analyses were shipped to Chemtech via Federal Express Air Waybill No. 7735 5941 6927 on April 27, 2021 at 1730 hours.

5. On-Site Personnel:

Name	Company	Duties on Site
Scott Snyder (4/14, 4/19, 4/20)	WESTON	Site Health and Safety Officer (SHSO), Lead Sample Management Officer (SMO), Sampler, Global Positioning System (GPS) Data Collection, and Subcontractor Oversight
Habib Bravo-Ruiz (4/13, 4/15)	WESTON	SHSO, Sampler, GPS Data Collection, Subcontractor Oversight, Asst. SMO
Eliel Lucero	WESTON	SHSO, Sampler, Contractor Oversight, Asst. SMO
Matt Ewald (4/23)	WESTON	Sampler
Alex Baggott (4/26, 4/27)	WESTON	Sampler
Mike Doren (all days except 4/23 and 4/26)	Aqua Survey	Boat and Vibracore Operator
Andrew Froening	Aqua Survey	Asst. Vibracore Operator
Albert De Mange (4/23, 4/26)	Aqua Survey	Boat and Vibracore Operator

6. Additional Comments:

On April 13–15, 19, 20, 23, 26, and 27, 2021, Weston Solutions, Inc. (WESTON®) Region 2 Site Assessment Team V (SAT V) personnel collected surface water and sediment samples as part of the Site Inspection (SI) evaluation of the Coney Island Creek site. Region 2 SAT V collected a total of 12 surface water and 63 sediment samples. Eight surface water samples (including one environmental duplicate) and 50 sediment samples (including three environmental duplicates) were collected from Coney Island Creek. Four surface water samples and 13 sediment samples (including one environmental duplicate) were collected from Shell Bank Creek for evaluation of background conditions.

All surface water samples except 6100-SW20 were collected directly into sample jars. Sample 6100-SW20 was collected by lowering a decontaminated, stainless-steel bucket by rope into the creek from a bridge on Shell Road at the eastern terminus of the creek. This procedure was repeated until sufficient sample volume was obtained. Proposed surface water sample 6100-SW21 was not collected due its proximity to 6100-SW20.

All sediment samples except 6100-SED14A, 6100-SED15A, 6100-SED15B, 6100-SED16A, 6100-SED17A, 6100-SED18A, 6100-SSED19A, 6100-SED20A, and 6100-SED21A were obtained using Vibracore push-coring technology. The sediment samples listed above were collected using manual methods (i.e., slam bar; spring-activated, self-closing dredge; or dedicated polyethylene scoop) due to shallow water that was inaccessible to the Vibracore. Sediment samples obtained using Vibracore were generally collected within the proposed depths of 0–2, 2–4, and 4–6 feet below the sediment surface, with observed compression assumed evenly among the intervals; however, Vibracore refusal or low recovery resulted in modified depths at some locations. Proposed Vibracore sediment samples 6100-SED12C, 6100-SED14B, 6100-SED14C, 6100-SED15C, 6100-SED20B, 6100-SED20C, 6100-SED21B, and 6100-SED21C were not collected either because of Vibracore refusal or because conditions at these locations necessitated manual collection methods. Sample descriptions are provided in Table 1.

Organic TAL VOC sediment sample fractions were collected with dedicated EnCore™ sampling devices from the bottom of each sampling interval. The entire sampling interval was then homogenized in dedicated, disposable aluminum trays with disposable polyethylene scoops prior to insertion into the sample containers for remaining Organic TAL, ICP-AES 11+ Metals (including Hg and CN), TOC (4-oz. glass jars); and GS analyses (16-oz. poly jars). Four rinsate blank samples were collected to demonstrate adequate decontamination of non-dedicated sampling equipment associated with the Vibracore and manual sediment collection methods. Three trip blanks were collected in conjunction with the surface water sampling effort.

Samples collected for quality assurance/quality control (QA/QC) purposes included one aqueous and four sediment environmental duplicate samples, five rinsate blanks, and three trip blanks. One surface water and four sediment samples were designated for matrix spike/matrix spike duplicate (MS/MSD) analyses. All samples were collected in support of the Coney Island Creek SI, assigned under EPA Contract 68HE0319D0004 (Region 2 Superfund Technical Assessment and Response Team V [START V]).

WESTON and Aqua Survey logged sample locations electronically using GPS equipment and performed post-processing differential correction of the GPS data in accordance with EPA Region 2 GPS Standard Operating Procedures. The processed GPS data for all samples have been transferred to the Sample Location Map (Figure 1) using a Geographic Information System.

All samples obtained by WESTON were collected from locations associated with the Coney Island Creek site located in Brooklyn, New York under the Region 2 START V contract. All surface water and sediment samples, as well as their respective QA/QC samples, were designated to be analyzed for Organic TAL VOCs, SVOCs, Pesticides, and Aroclors; and ICP-AES 11+ Metals (including mercury and cyanide) through the EPA CLP under Case No. 49391. Sediment samples were also designated for TOC analysis by a WESTON-subcontracted laboratory

(Chemtech) and for GS analysis by the EPA Region 2 LSASD laboratory. The samples submitted to Bonner were shipped to the laboratory via FedEx. Samples submitted to Chemtech and LSASD were either hand-delivered or shipped via FedEx. The chain-of-custody (COC) records and Federal Express Airbills and Proofs of Delivery are presented in Attachment 1.

7. Report Prepared by: _____ Date: 5/7/2021
Scott T. Snyder, CHMM

8. Report Approved by: _____ Date: 5/7/2021
Gerald V. Gilliland, P.G.

Table 1
Sample Descriptions
Coney Island Creek SI
Brooklyn, New York

SAMPLE NUMBER	CLP NO.	DATE	TIME	COMMENTS
Surface Water Samples				
6100-SW01	BG528	4/13/2021	11:40	Surface water sample from Coney Island Creek. Matrix spike/matrix spike duplicate (MS/MSD) for quality assurance/quality control (QA/QC) purposes.
6100-SW04	BG529	4/13/2021	12:05	Surface water sample from Coney Island Creek.
6100-SW09	BG530	4/14/2021	08:40	Surface water sample from Coney Island Creek.
6100-SW26 (field duplicate)	BG548	4/14/2021	08:45	Duplicate of 6100-SW09 for QA/QC purposes.
6100-SW11	BG531	4/14/2021	09:10	Surface water sample from Coney Island Creek.
6100-SW13	BG532	4/14/2021	09:30	Surface water sample from Coney Island Creek.
6100-SW14	BG533	4/14/2021	09:50	Surface water sample from Coney Island Creek.
6100-SW20	~~BG543~~ BG534	4/15/2021	10:20	Surface water sample from Coney Island Creek.
6100-SW22	BG536	4/13/2021	10:10	Surface water sample from Shell Bank Creek.
6100-SW23	BG537	4/13/2021	09:55	Surface water sample from Shell Bank Creek.
6100-SW24	BG538	4/13/2021	09:40	Surface water sample from Shell Bank Creek.
6100-SW25	BG539	4/13/2021	10:50	Surface water sample from Shell Bank Creek.
Sediment Samples				
6100-SED01A	BG558	4/19/2021	08:45	Sediment sample from Coney Island Creek, depth: evaluated as 0 to 1 foot below sediment surface (bss). Water depth at the time of sampling: approximately 2 feet. Description: Gray fine sand, trace silt; photoionization detector (PID) reading: = 0.0 parts per million (ppm). MS/MSD for QA/QC purposes.
6100-SED01B	BG559	4/19/2021	09:05	Sediment sample from Coney Island Creek, depth: evaluated as 1 to 2 feet bss. Water depth at the time of sampling: approximately 2 feet. Description: Gray fine sand, trace silt; PID reading = 0.0 ppm.

BG534
SS
7/27/21

Table 1 (continued)
Sample Descriptions
Coney Island Creek SI
Brooklyn, New York

SAMPLE NUMBER	CLP NO.	DATE	TIME	COMMENTS
6100-SED01C	BG560	4/19/2021	09:15	Sediment sample from Coney Island Creek, depth: evaluated as 2 to 3 feet bss. Water depth at the time of sampling: approximately 2 feet. Description: Gray fine sand, trace silt; PID reading = 0.0 ppm.
6100-SED02A	BG561	4/19/2021	09:40	Sediment sample from Coney Island Creek, depth: evaluated as 0 to 2 feet bss. Water depth at the time of sampling: approximately 11 feet. Description: Black to dark gray silt, trace fine sand; PID reading = 0.5 ppm.
6100-SED02B	BG562	4/19/2021	09:55	Sediment sample from Coney Island Creek, depth: evaluated as 2 to 4 feet bss. Water depth at the time of sampling: approximately 11 feet. Description: Black to dark gray silt, trace fine sand; PID reading = 0.5 ppm.
6100-SED02C	BG563	4/19/2021	10:10	Sediment sample from Coney Island Creek, depth: evaluated as 4 to 6 feet bss. Water depth at the time of sampling: approximately 11 feet. Description: Black silt and fine sand; PID reading = 5.4 ppm.
6100-SED03A	BG564	4/19/2021	11:10	Sediment sample from Coney Island Creek, depth: evaluated as 0 to 2 feet bss. Water depth at the time of sampling: approximately 18 feet. Description: Black silt; PID reading = 0.0 ppm.
6100-SED03B	BG565	4/19/2021	11:25	Sediment sample from Coney Island Creek, depth: evaluated as 2 to 4 feet bss. Water depth at the time of sampling: approximately 18 feet. Description: Black silt and gray fine sand; PID reading = 0.0 ppm.
6100-SED03C	BG566	4/19/2021	11:35	Sediment sample from Coney Island Creek, depth: evaluated as 4 to 6 feet bss. Water depth at the time of sampling: approximately 18 feet. Description: Black silt; PID reading = 0.0 ppm.
6100-SED04A	BG567	4/19/2021	12:15	Sediment sample from Coney Island Creek, depth: evaluated as 0 to 2 feet bss. Water depth at the time of sampling: approximately 16 feet. Description: Gray fine sand, some silt; PID reading = 31 ppm.

Table 1 (continued)
Sample Descriptions
Coney Island Creek SI
Brooklyn, New York

SAMPLE NUMBER	CLP NO.	DATE	TIME	COMMENTS
6100-SED04B	BG568	4/19/2021	12:30	Sediment sample from Coney Island Creek, depth: evaluated as 2 to 4 feet bss. Water depth at the time of sampling: approximately 16 feet. Description: Black silt, trace fine sand; PID reading = 0.0 ppm.
6100-SED04C	BG569	4/19/2021	12:40	Sediment sample from Coney Island Creek, depth: evaluated as 4 to 6 feet bss. Water depth at the time of sampling: approximately 16 feet. Description: Black silt, trace fine sand; PID reading = 1.0 ppm.
6100-SED05A	BG570	4/19/2021	13:20	Sediment sample from Coney Island Creek, depth: evaluated as 0 to 2 feet bss. Water depth at the time of sampling: approximately 19 feet. Description: Black silt, trace fine sand; PID reading = 3.0 ppm.
6100-SED05B	BG571	4/19/2021	13:35	Sediment sample from Coney Island Creek, depth: evaluated as 2 to 4 feet bss. Water depth at the time of sampling: approximately 19 feet. Description: Black silt, trace fine sand; PID reading = 1.0 ppm.
6100-SED05C	BG572	4/19/2021	13:45	Sediment sample from Coney Island Creek, depth: evaluated as 4 to 6 feet bss. Water depth at the time of sampling: approximately 19 feet. Description: Black silt, trace fine sand; PID reading = 7.4 ppm.
6100-SED06A	BG573	4/20/2021	14:10	Sediment sample from Coney Island Creek, depth: evaluated as 0 to 1.5 feet bss. Water depth at the time of sampling: approximately 3 feet. Description: Dark gray fine sand, some silt; PID reading = 0.0 ppm.
6100-SED06B	BG574	4/20/2021	14:20	Sediment sample from Coney Island Creek, depth: evaluated as 1.5 to 3 feet bss. Water depth at the time of sampling: approximately 3 feet. Description: Dark gray fine sand, some silt; PID reading = 0.0 ppm.
6100-SED06C	BG575	4/20/2021	14:30	Sediment sample from Coney Island Creek, depth: evaluated as 3 to 4.5 feet bss. Water depth at the time of sampling: approximately 3 feet. Description: Dark gray fine sand, some silt; PID reading = 0.0 ppm.
6100-SED07A	BG576	4/26/2021	08:55	Sediment sample from Coney Island Creek, depth: evaluated as 0 to 2 feet bss. Water depth at the time of sampling: approximately 17 feet. Description: Dark gray silt; no PID reading recorded. MS/MSD for QA/QC purposes.

Table 1 (continued)
Sample Descriptions
Coney Island Creek SI
Brooklyn, New York

SAMPLE NUMBER	CLP NO.	DATE	TIME	COMMENTS
6100-SED07B	BG577	4/26/2021	09:05	Sediment sample from Coney Island Creek, depth: evaluated as 2 to 4 feet bss. Water depth at the time of sampling: approximately 17 feet. Description: Dark gray silt; no PID reading recorded.
6100-SED07C	BG578	4/26/2021	09:15	Sediment sample from Coney Island Creek, depth: evaluated as 4 to 6 feet bss. Water depth at the time of sampling: approximately 17 feet. Description: Dark gray silt, trace fine sand from 5 to 6 feet; no PID reading recorded.
6100-SED26C (field duplicate)	BG515	4/26/2021	09:25	Duplicate of 6100-SED07C for QA/QC purposes.
6100-SED08A	BG579	4/23/2021	11:00	Sediment sample from Coney Island Creek, depth: evaluated as 0 to 1.5 feet bss. Water depth at the time of sampling not recorded. Description: Dark gray silt, sand, and clay to dark gray sand; PID reading = 5.2 ppm.
6100-SED08B	BG580	4/23/2021	11:10	Sediment sample from Coney Island Creek, depth: evaluated as 1.5 to 3 feet bss. Water depth at the time of sampling not recorded. Description: Dark gray sand; PID reading = 2.1 ppm.
6100-SED08C	BG581	4/23/2021	11:20	Sediment sample from Coney Island Creek, depth: evaluated as 3 to 4.5 feet bss. Water depth at the time of sampling not recorded. Description: Dark gray sand; PID reading = 0.0 ppm.
6100-SED09C*	BG584	4/23/2021	09:40	Sediment sample from Coney Island Creek, depth: evaluated as 0 to 2 feet bss. Water depth at the time of sampling: approximately 2 feet. Description: Dark gray fine sand and silt to dark gray fine sand; PID reading = 5.2 ppm.
6100-SED09B	BG583	4/23/2021	09:30	Sediment sample from Coney Island Creek, depth: evaluated as 2 to 4 feet bss. Water depth at the time of sampling: approximately 2 feet. Description: Dark gray fine sand and silt; PID reading = 14.3 ppm.
6100-SED26B (field duplicate)	BG514	4/23/2021	09:35	Duplicate of 6100-SED09B for QA/QC purposes.

Table 1 (continued)
Sample Descriptions
Coney Island Creek SI
Brooklyn, New York

SAMPLE NUMBER	CLP NO.	DATE	TIME	COMMENTS
6100-SED09A*	BG582	4/23/2021	09:15	Sediment sample from Coney Island Creek, depth: evaluated as 4 to 6 feet bss. Water depth at the time of sampling: approximately 2 feet. Description: Dark gray fine sand and silt; PID reading = 1.2 ppm.
6100-SED10A	BG585	4/26/2021	10:20	Sediment sample from Coney Island Creek, depth: evaluated as 0 to 1.8 feet bss. Water depth at the time of sampling: approximately 3 feet. Description: Dark gray silt; no PID reading recorded.
6100-SED10B	BG586	4/26/2021	10:30	Sediment sample from Coney Island Creek, depth: evaluated as 1.8 to 3.6 feet bss. Water depth at the time of sampling: approximately 3 feet. Description: Dark gray silt to dark gray sand, trace silt; no PID reading recorded.
6100-SED10C	BG587	4/26/2021	10:40	Sediment sample from Coney Island Creek, depth: evaluated as 3.6 to 5.5 feet bss. Water depth at the time of sampling: approximately 3 feet. Description: Dark gray sand, trace silt; no PID reading recorded.
6100-SED11A	BG588	4/26/2021	11:10	Sediment sample from Coney Island Creek, depth: evaluated as 0 to 1.1 feet bss. Water depth at the time of sampling: approximately 4 feet. Description: Dark gray sand; no PID reading recorded.
6100-SED11B	BG589	4/26/2021	11:20	Sediment sample from Coney Island Creek, depth: evaluated as 1.1 to 2.4 feet bss. Water depth at the time of sampling: approximately 4 feet. Description: Dark gray sand; no PID reading recorded.
6100-SED11C	BG590	4/26/2021	11:30	Sediment sample from Coney Island Creek, depth: evaluated as 2.4 to 3.4 feet bss. Water depth at the time of sampling: approximately 4 feet. Description: Dark gray sand, trace silt from 3 to 3.4 feet; no PID reading recorded.
6100-SED12A	BG591	4/26/2021	12:15	Sediment sample from Coney Island Creek, depth: evaluated as 0 to 1.2 feet bss. Water depth at the time of sampling: approximately 6 feet. Description: Dark gray sand; no PID reading recorded.

Table 1 (continued)
Sample Descriptions
Coney Island Creek SI
Brooklyn, New York

SAMPLE NUMBER	CLP NO.	DATE	TIME	COMMENTS
6100-SED12B	BG592	4/26/2021	12:25	Sediment sample from Coney Island Creek, depth: evaluated as 1.2 to 2.4 feet bss. Water depth at the time of sampling: approximately 6 feet. Description: Dark gray sand; no PID reading recorded.
6100-SED13A	BG594	4/26/2021	13:00	Sediment sample from Coney Island Creek, depth: evaluated as 0 to 2 feet bss. Water depth at the time of sampling: approximately 5 feet. Description: Dark gray silt; no PID reading recorded.
6100-SED13B	BG595	4/26/2021	13:10	Sediment sample from Coney Island Creek, depth: evaluated as 2 to 4 feet bss. Water depth at the time of sampling: approximately 5 feet. Description: Dark gray silt; no PID reading recorded.
6100-SED13C	BG596	4/26/2021	13:20	Sediment sample from Coney Island Creek, depth: evaluated as 4 to 6 feet bss. Water depth at the time of sampling: approximately 5 feet. Description: Dark gray silt, trace fine sand from 5 to 6 feet; no PID reading recorded; no PID reading recorded.
6100-SED14A	BG597	4/27/2021	11:10	Sediment sample from Coney Island Creek, depth: evaluated as 0 to 2.4 feet bss. Due to shallow water that was inaccessible to the Vibracore, sample collected using a slam bar. Water depth at the time of sampling not recorded. Description: Dark gray silt to dark brown sand, trace clay; PID reading = 0.0 ppm. MS/MSD for QA/QC purposes.
6100-SED15A	BG5A0	4/27/2021	11:45	Sediment sample from Coney Island Creek, depth: evaluated as 0 to 2 feet bss. Due to shallow water that was inaccessible to the Vibracore, sample collected using a slam bar. Water depth at the time of sampling not recorded. Description: Dark gray silt, trace sand; maximum PID reading = 62.5 ppm.
6100-SED27A (field duplicate)	BG516	4/27/2021	11:50	Duplicate of 6100-SED15A for QA/QC purposes.

Table 1 (continued)
Sample Descriptions
Coney Island Creek SI
Brooklyn, New York

SAMPLE NUMBER	CLP NO.	DATE	TIME	COMMENTS
6100-SED15B	BG5A1 ~~BGSA1~~ SS 7/27/21	4/27/2021	11:55	Sediment sample from Coney Island Creek, depth: evaluated as 2 to 4 feet bss. Due to shallow water that was inaccessible to the Vibracore, sample collected using a slam bar. Water depth at the time of sampling not recorded. Description: Dark gray silt, trace sand; maximum PID reading = 57.7 ppm.
6100-SED16A	BG5A3	4/27/2021	14:00	Sediment sample from Coney Island Creek. Sample depth not recorded but evaluated as 0 to 2 inches bss. Due to shallow water that was inaccessible to the Vibracore, sample collected directly from the sediment surface by hand using a dedicated polyethylene scoop. Description: Dark brown sand, trace silt; PID reading = 0.0 ppm.
6100-SED17A	BG5A6	4/27/2021	13:45	Sediment sample from Coney Island Creek. Sample depth not recorded but evaluated as 0 to 6 inches bss. Due to shallow water that was inaccessible to the Vibracore, sample collected using a spring-activated, self-closing dredge. Description: Dark gray silt, trace sand; PID reading = 1.5 ppm.
6100-SED18A	BG5A9	4/27/2021	13:30	Sediment sample from Coney Island Creek. Sample depth not recorded but evaluated as 0 to 2 inches bss. Due to shallow water that was inaccessible to the Vibracore, sample collected directly from the sediment surface by hand using a dedicated polyethylene scoop. Description: Dark gray silt, trace sand; PID reading = 2.5 ppm.
6100-SED19A	BG5B2	4/27/2021	13:15	Sediment sample from Coney Island Creek. Sample depth not recorded but evaluated as 0 to 6 inches bss. Due to shallow water that was inaccessible to the Vibracore, sample collected using a spring-activated, self-closing dredge. Description: Dark gray sand; PID reading = 0.0 ppm.

Table 1 (continued)
Sample Descriptions
Coney Island Creek SI
Brooklyn, New York

SAMPLE NUMBER	CLP NO.	DATE	TIME	COMMENTS
6100-SED20A	BG5B5	4/27/2021	13:00	Sediment sample from Coney Island Creek. Sample depth not recorded but evaluated as 0 to 2 inches bss. Due to shallow water that was inaccessible to the Vibracore, sample collected directly from the sediment surface by hand using a dedicated polyethylene scoop. Description: Dark gray sand, trace silt; PID reading = 0.0 ppm.
6100-SED21A	BG4Z8	4/15/2021	11:20	Sediment sample from Coney Island Creek. Sample depth not recorded but evaluated as 0 to 6 inches bss. Due to shallow water that was inaccessible to the Vibracore, sample collected using a spring-activated, self-closing dredge lowered by rope from the bridge on Shell Road. Description: Black silt, little organic matter (roots fragments and leaves); PID reading = 4.1 ppm.
6100-SED22A	BG501	4/20/2021	12:50	Sediment sample from Shell Bank Creek, depth: evaluated as 0 to 2 feet bss. Water depth at the time of sampling: approximately 3 feet. Description: Dark gray fine sand, silt, and clay; to dark gray silt and clay, some fine sand; PID reading = 18 ppm.
6100-SED22B	BG502	4/20/2021	13:05	Sediment sample from Shell Bank Creek, depth: evaluated as 2 to 4 feet bss. Water depth at the time of sampling: approximately 3 feet. Description: Dark gray silt and clay, trace fine sand; PID reading = 45 ppm. MS/MSD for QA/QC purposes.
6100-SED22C	BG503	4/20/2021	13:15	Sediment sample from Shell Bank Creek, depth: evaluated as 4 to 6 feet bss. Water depth at the time of sampling: approximately 3 feet. Description: Dark gray silt and clay, trace fine sand; PID reading = 1.0 ppm.
6100-SED23A	BG504	4/20/2021	12:00	Sediment sample from Shell Bank Creek, depth: evaluated as 0 to 2 feet bss. Water depth at the time of sampling: approximately 3 feet. Description: Dark gray fine sand, some silt; PID reading = 4.0 ppm.

Table 1 (continued)
Sample Descriptions
Coney Island Creek SI
Brooklyn, New York

SAMPLE NUMBER	CLP NO.	DATE	TIME	COMMENTS
6100-SED23B	BG505	4/20/2021	12:15	Sediment sample from Shell Bank Creek, depth: evaluated as 2 to 4 feet bss. Water depth at the time of sampling: approximately 3 feet. Description: Dark gray silt and clay; PID reading = 8.0 ppm.
6100-SED23C	BG506	4/20/2021	12:25	Sediment sample from Shell Bank Creek, depth: evaluated as 4 to 6 feet bss. Water depth at the time of sampling: approximately 3 feet. Description: Dark gray silt and clay; PID reading = 2.0 ppm.
6100-SED24A	BG507	4/20/2021	10:55	Sediment sample from Shell Bank Creek, depth: evaluated as 0 to 2 feet bss. Water depth at the time of sampling: approximately 16 feet. Description: Brown fine sand and silt to brown silt, some fine sand; PID reading = 3.0 ppm.
6100-SED24B	BG508	4/20/2021	11:10	Sediment sample from Shell Bank Creek, depth: evaluated as 2 to 4 feet bss. Water depth at the time of sampling: approximately 16 feet. Description: Brown silt, some fine sand to brown fine sand and silt; PID reading = 0.0 ppm
6100-SED24C	BG509	4/20/2021	11:20	Sediment sample from Shell Bank Creek, depth: evaluated as 4 to 6 feet bss. Water depth at the time of sampling: approximately 16 feet. Description: Brown fine sand and silt to black silt, trace fine sand; PID reading = 3.0 ppm.
6100-SED25A	BG510	4/20/2021	09:25	Sediment sample from Shell Bank Creek, depth: evaluated as 0 to 2 feet bss. Water depth at the time of sampling: approximately 19 feet. Description: Brown silt and fine sand; PID reading = 0.0 ppm.
6100-SED26A (field duplicate)	BG513	4/20/2021	09:30	Duplicate of 6100-SED25A for QA/QC purposes.
6100-SED25B	BG511	4/20/2021	10:05	Sediment sample from Shell Bank Creek, depth: evaluated as 2 to 4 feet bss. Water depth at the time of sampling: approximately 19 feet. Description: Brown and black silt, trace fine sand; PID reading= 0.0 ppm.

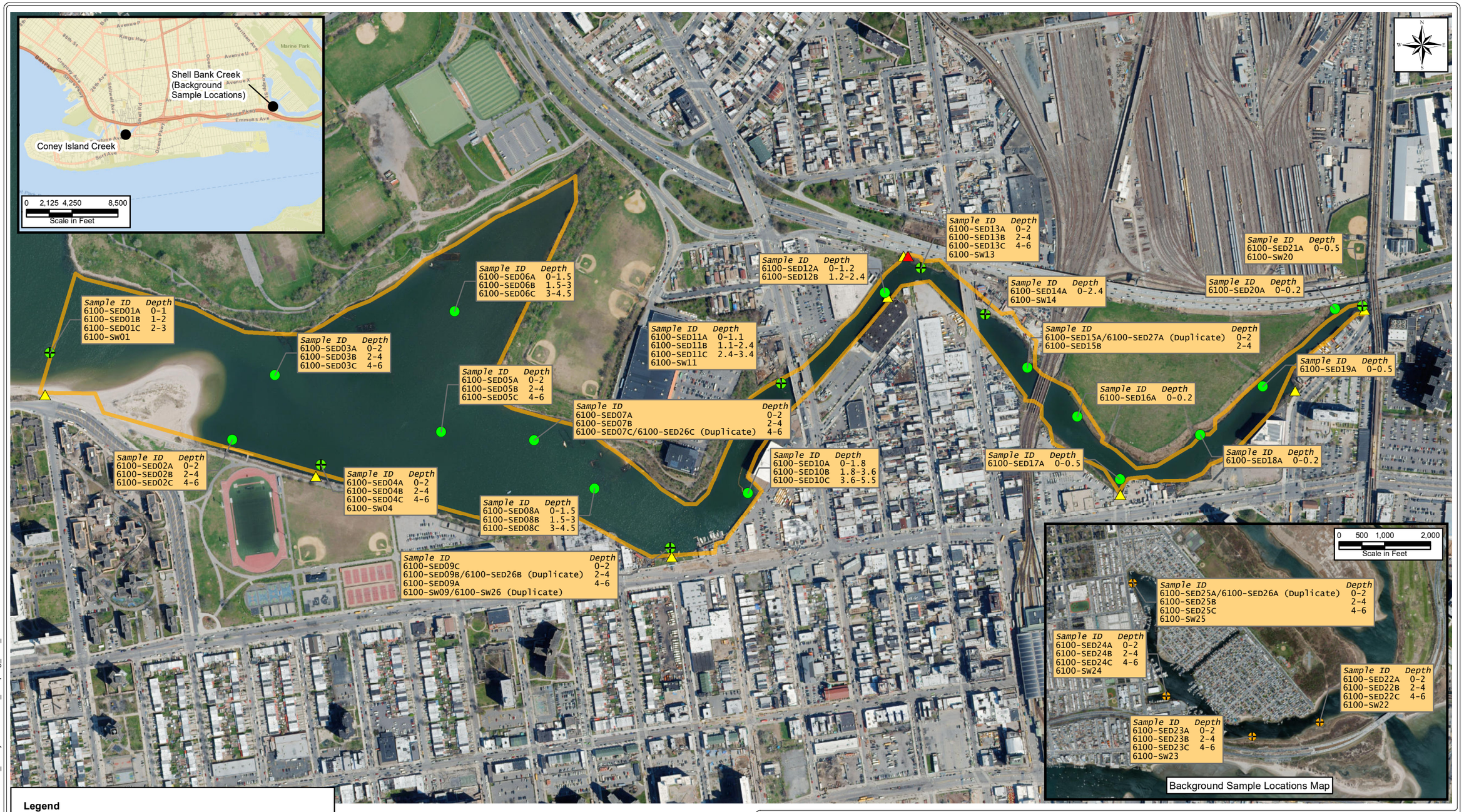
Table 1 (continued)
Sample Descriptions
Coney Island Creek SI
Brooklyn, New York

SAMPLE NUMBER	CLP NO.	DATE	TIME	COMMENTS
6100-SED25C	BG512	4/20/2021	10:20	Sediment sample from Shell Bank Creek, depth: evaluated as 4 to 6 feet bss. Water depth at the time of sampling: approximately 19 feet. Description: Brown and black silt, trace fine sand; PID reading = 6.4 ppm.
QA/QC Samples				
6100-RIN01	BG545	4/15/2021	08:30	Rinsate blank (dredge) collected for QA/QC purposes.
6100-RIN02	BG546	4/15/2021	08:15	Rinsate blank (stainless-steel bucket) collected for QA/QC purposes.
6100-RIN03	BG547	4/20/2021	08:50	Rinsate Bank (Vibracore nose cone) collected for QA/QC purposes.
6100-RIN04	BG593	4/27/2021	14:10	Rinsate blank (slam bar) collected for QA/QC purposes.
6100-RIN05	BG599	4/27/2021	14:20	Rinsate blank (dredge) collected for QA/QC purposes.
6100-TB01	BG540	4/13/2021	13:30	Trip blank collected for QA/QC purposes.
6100-TB02	BG541	4/14/2021	13:30	Trip blank collected for QA/QC purposes.
6100-TB03	BG542	4/15/2021	11:30	Trip blank collected for QA/QC purposes.

* Sample core measured from bottom to top; therefore, depth intervals for A and C samples are reversed.
Due to sediment compaction during coring and varying amounts of Vibracore penetration and recovery, sediment sample depths are approximate.

FIGURE 1

SAMPLE LOCATION MAP



Legend

- Background Sediment and Surface Water Sample Location
- Sediment and Surface Water Sample Location
- Sediment Sample Location
- CSO Outfall (Combined Sewage Overflow Outfall)
- MS4 Outfalls (Municipal Separate Storm Sewer System)
- Coney Island Creek

Note:
1) Depth in feet below sediment surface (ft bss).

SCALE: 0 250 500 1,000 Scale in Feet

PROJECT: Site Investigation

CLIENT NAME: EPA

TITLE:

SAMPLE LOCATION MAP
CONEY ISLAND CREEK
BROOKLYN, KINGS COUNTY, NY

WESTON SOLUTIONS SM

DATE: May 2021

FIGURE #: 1

File Path: P:\SAT2\ConeyIslandCreek\MXD\26861_ConeyIslCreek6100_Sampling_Locs_SI.mxd

ATTACHMENT 1

CHAIN OF CUSTODY RECORDS AND FEDERAL EXPRESS TRACKING INFORMATION

USEPA CLP COC (LAB COPY)
Date Shipped: 4/13/2021
Carrier Name: FedEx
Airbill No.: Hand-deliver

CHAIN OF CUSTODY RECORD

Case #: 49391
Cooler #: 1 of 4

No: 2-041321-135607-0001
Lab: Chemtech Consulting Group
Lab Contact: Sohil Jodhani
Lab Phone: 908-789-8900

Sample Identifier	CLP Sample No	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
6100-SW01	BG528	Surface Water/ WESTON	Grab	PEST(21) ARO(21)	1527 (4 C) 1528 (4 C) (12)	SED01/SW01	04/13/2021 11:40	

4/13/21

Sample(s) to be used for Lab QC: 6100-SW01 Tag 1527, 6100-SW01 Tag 1528

Shipment for Case Complete? N
Samples Transferred From Chain of Custody #

Analysis Key: PEST=TAL Pesticides, ARO=TAL Aroclors

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples	Regina Sri	4/13/21 1705		4/13/21 1705	

SC

USEPA CLP COC (LAB COPY)
Date Shipped: 4/13/2021
Carrier Name: FedEx
Airbill No.: Hand-deliver

CHAIN OF CUSTODY RECORD

Case #: 49391
Cooler #: 2 of 4

No: 2-041321-140054-0002
Lab: Chemtech Consulting Group
Lab Contact: Sohil Jodhani
Lab Phone: 908-789-8900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
6100-SW01	BG528	Surface Water/ WESTON	Grab	VOC(21) SVOC(21)	1525 (HCl to pH<2) 1526 (4 C) (5)	SED01/SW01	04/13/2021 1: 40	
6100-SW04	BG529	Surface Water/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21)	1532 (HCl to pH<2), 1533 (4 C), 1534 (4 C), 1535 (4 C) (9)	SED04/SW04	04/13/2021 12:05	
6100-TB01	BG540	DI Water/ WESTON	Grab	VOC(21)	1616 (HCl to pH<2) (3)	N/A	04/13/2021 13:30	

Sample(s) to be used for Lab QC: 6100-SW01 Tag 1525, 6100-SW01 Tag 1526

Shipment for Case Complete? N
Samples Transferred From Chain of Custody #

Analysis Key: VOC=TAL VOCs, SVOC=TAL SVOCs, PEST=TAL Pesticides, ARO=TAL Aroclors

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples	Regulator	4/13/21 1705		4/13/21 1705	

SC

USEPA CLP COC (LAB COPY)

Date Shipped: 4/13/2021
Carrier Name: FedEx
Airbill No.: Hand-deliver

CHAIN OF CUSTODY RECORD

Case #: 49391
Cooler #: 3 of 4

No: 2-041321-140404-0003

Lab: Chemtech Consulting Group
Lab Contact: Sohil Jodhani
Lab Phone: 908-789-8900

Sample Identifier	CLP Sample No	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
6100-SW22	BG536	Surface Water/ WESTON	Grab	VOC(21), SVOC(21) PEST(21), ARO(21)	1581 (HCl to pH<2), 1582 (4 C), 1583 (4 C), 1584 (4 C) (9)	SED22/SW22	04/13/2021 10:10	
6100-SW23	BG537	Surface Water/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21)	1588 (HCl to pH<2), 1589 (4 C), 1590 (4 C), 1591 (4 C) (9)	SED23/SW23	04/13/2021 09:55	

Special Instructions:

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: VOC=TAL VOCs, SVOC=TAL SVOCs, PEST=TAL Pesticides, ARO=TAL Aroclors

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples	[signature] Region 2 EPA	4/13/21 1705	[signature]	4/13/21 1705	

USEPA CLP COC (LAB COPY)
Date Shipped: 4/13/2021
Carrier Name: FedEx
Airbill No.: Hand-deliver

CHAIN OF CUSTODY RECORD

Case #: 49391
Cooler #: 4 of 4

No: 2-041321-140640-0004
Lab: Chemtech Consulting Group
Lab Contact: Sohil Jodhani
Lab Phone: 908-789-8900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
6100-SW24	BG538	Surface Water/ WESTON	Grab	VOC(21), SVOC(21) PEST(21), ARO(21)	1595 (HCl to pH<2) 1596 (4 C), 1597 (4 C), 1598 (4 C) (9)	SED24/SW24	04/13/2021 09:40	
6100-SW25	BG539	Surface Water/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21)	1609 (HCl to pH<2), 1610 (4 C), 1611 (4 C), 1612 (4 C) (9)	SED25/SW25	04/13/2021 10:50	

Special Instructions:

Shipment for Case Complete? N
Samples Transferred From Chain of Custody #

Analysis Key: VOC=TAL VOCs, SVOC=TAL SVOCs, PEST=TAL Pesticides, ARO=TAL Aroclors

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples	Region 25 TS	4/13/21 1705		4/13/21 1705	

SC

USEPA CLP COC (REGION COPY)
Date Shipped: 4/13/2021
Carrier Name: Fed Ex
Airbill No.: 7734 3218 7418

CHAIN OF CUSTODY RECORD
Coney Island Creek/NY
Case #: 49391
Cooler #: 1 of 1

No: 2-041321-140808-0005
Lab: Bonner Analytical Testing Company
Lab Contact: Patricia Aieken
Lab Phone: 601-264-2854

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
6100-SW01	MBG528	Surface Water/ WESTON	Grab	TALaq(21), CN(21)	1529 (HNO3 to pH<2), 1530 (NaOH to pH>12) (4)	SED01/SW01	04/13/2021 11:40	Field Sample
6100-SW04	MBG529	Surface Water/ WESTON	Grab	TALaq(21), CN(21)	1536 (HNO3 to pH<2), 1537 (NaOH to pH>12) (2)	SED04/SW04	04/13/2021 12:05	Field Sample
6100-SW22	MBG536	Surface Water/ WESTON	Grab	TALaq(21), CN(21)	1585 (HNO3 to pH<2), 1586 (NaOH to pH>12) (2)	SED22/SW22	04/13/2021 10:10	Field Sample
6100-SW23	MBG537	Surface Water/ WESTON	Grab	TALaq(21), CN(21)	1592 (HNO3 to pH<2), 1593 (NaOH to pH>12) (2)	SED23/SW23	04/13/2021 09:55	Field Sample
6100-SW24	MBG538	Surface Water/ WESTON	Grab	TALaq(21), CN(21)	1599 (HNO3 to pH<2), 1600 (NaOH to pH>12) (2)	SED24/SW24	04/13/2021 09:40	Field Sample
6100-SW25	MBG539	Surface Water/ WESTON	Grab	TALaq(21), CN(21)	1613 (HNO3 to pH<2), 1614 (NaOH to pH>12) (2)	SED25/SW25	04/13/2021 10:50	Field Sample

Sample(s) to be used for Lab QC: 6100-SW01 Tag 1529, 6100-SW01 Tag 1530

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: TALaq=TAL (Hg), CN=TAL Cyanide

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples	[signature] Region 2	4/13/21 1730	FedEx	4/13/21 1730	

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USEPA CLP COC (LAB COPY) | **CHAIN OF CUSTODY RECORD** | **No: 2-041421-110135-0007**

Date Shipped: 4/15/2021 | Lab: Chemtech Consulting Group

Carrier Name: Hand-Deliver | Case #: 49391 | Lab Contact: Sohil Jodhani

Airbill No.: N/A | Cooler #: 1 of 3 | Lab Phone: 908-789-8900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
6100-SW09	BG530	Surface Water/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21)	1539 (HCl to pH<2), 1540 (4 C), 1541 (4 C), 1542 (4 C) (9)	SED09/SW09	04/14/2021 08:40	
6100-SW26	BG548	Surface Water/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21)	1649 (HCl to pH<2), 1650 (4 C), 1651 (4 C), 1652 (4 C) (9)	SED09/SW09	04/14/2021 08:45	

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #

Analysis Key: VOC=TAL VOCs, SVOC=TAL SVOCs, PEST=TAL Pesticides, ARO=TAL Aroclors

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples	Regis 2 SAT	4/15/21 0900		4/15/21 0900	IR-Gun #1 2.3, 26.31 Custody Seal Intact Temp Blank pres- WO tags
				4.15.21	

USEPA CLP COC (LAB COPY) **CHAIN OF CUSTODY RECORD** **No: 2-041421-110828-0008**

Date Shipped: 4/15/2021 Lab: Chemtech Consulting Group

Carrier Name: Hand-Deliver Case #: 49391 Lab Contact: Sohil Jodhani

Airbill No.: N/A Cooler #: 2 of 3 Lab Phone: 908-789-8900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
6100-SW11	BG531	Surface Water/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21)	1546 (HCl to pH<2), 1547 (4 C), 1548 (4 C), 1549 (4 C) (9)	SED11/SW11	04/14/2021 09:10	
6100-SW13	BG532	Surface Water/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21)	1553 (HCl to pH<2), 1554 (4 C), 1555 (4 C), 1556 (4 C) (9)	SED13/SW13	04/14/2021 09:30	

4/14/21

Special Instructions:	Shipment for Case Complete? N
	Samples Transferred From Chain of Custody #

Analysis Key: VOC=TAL VOCs, SVOC=TAL SVOCs, PEST=TAL Pesticides, ARO=TAL Aroclors

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples	Regina ZSAT	4/15/21 0900		4/15/21 0900	
					Cov #1 2.3, 2.6, 3.1
					Custody Seal Intact
				CP 4.15.21	Temp Blank present
					No tags

USEPA CLP COC (LAB COPY) | **CHAIN OF CUSTODY RECORD** | **No: 2-041421-111455-0009**

Date Shipped: 4/15/2021 | Lab: Chemtech Consulting Group

Carrier Name: Hand-Deliver | Case #: 49391 | Lab Contact: Sohil Jodhani

Airbill No.: N/A | Cooler #: 3 of 3 | Lab Phone: 908-789-8900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
6100-SW14	BG533	Surface Water/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21)	1560 (HCl to pH<2), 1561 (4 C), 1562 (4 C), 1563 (4 C) (9)	SED14/SW14	04/14/2021 09:50	
6100-TB02	BG541	DI Water/ WESTON	Grab	VOC(21)	1617 (HCl to pH<2) (3)	N/A	04/14/2021 13:30	

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #
Analysis Key: VOC=TAL VOCs, SVOC=TAL SVOCs, PEST=TAL Pesticides, ARO=TAL Aroclors	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples	Regulant	4/15/21 0900		4/15/21 0900	Ambient # 1 2.3, 2.6, 3.1
					Custody Seal Intact
					Temp Blank present
				4-15-21	No tags

USEPA CLP COC (REGION COPY)
Date Shipped: 4/14/2021
Carrier Name: Fed Ex
Airbill No.: 7734 4483 9500

CHAIN OF CUSTODY RECORD
Coney Island Creek/NY
Case #: 49391
Cooler #: 1 of 1

No: 2-041421-111719-0010
Lab: Bonner Analytical Testing Company
Lab Contact: Patricia Aieken
Lab Phone: 601-264-2854

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
6100-SW09	MBG530	Surface Water/ WESTON	Grab	TALaq(21), CN(21)	1543 (HNO3 to pH<2), 1544 (NaOH to pH>12) (2)	SED09/SW09	04/14/2021 08:40	Field Sample
6100-SW11	MBG531	Surface Water/ WESTON	Grab	TALaq(21), CN(21)	1550 (HNO3 to pH<2), 1551 (NaOH to pH>12) (2)	SED11/SW11	04/14/2021 09:10	Field Sample
6100-SW13	MBG532	Surface Water/ WESTON	Grab	TALaq(21), CN(21)	1557 (HNO3 to pH<2), 1558 (NaOH to pH>12) (2)	SED13/SW13	04/14/2021 09:30	Field Sample
6100-SW14	MBG533	Surface Water/ WESTON	Grab	TALaq(21), CN(21)	1564 (HNO3 to pH<2), 1565 (NaOH to pH>12) (2)	SED14/SW14	04/14/2021 09:50	Field Sample
6100-SW26	MBG548	Surface Water/ WESTON	Grab	TALaq(21), CN(21)	1653 (HNO3 to pH<2), 1654 (NaOH to pH>12) (2)	SED09/SW09	04/14/2021 08:45	Field Duplicate

Special Instructions:

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: TALaq=TAL (Hg), CN=TAL Cyanide

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples	Reynasat	4/14/21 1630	FedEx	4/14/21 1630	

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USEPA CLP COC (LAB COPY)
Date Shipped: 4/16/2021
Carrier Name: Hand-Deliver
Airbill No.: N/A

CHAIN OF CUSTODY RECORD

Case #: 49391
Cooler #: 1 of 2

No: 2-041521-130753-0011
Lab: Chemtech Consulting Group
Lab Contact: Sohil Jodhani
Lab Phone: 908-789-8900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
6100-SED21A	BG4Z8	Sediment/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21), %M(21)	1420 (4 C), 1421 (4 C), 1422 (4 C), 1423 (4 C), 1426 (4 C) (7)	SED21/SW21	04/15/2021 11:20	
6100-SW20	BG534	Surface Water/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21)	1567 (HCl to pH<2), 1568 (4 C), 1569 (4 C), 1570 (4 C) (9)	SED21/SW21	04/15/2021 10:20	
6100-TB03	BG542	DI Water/ WESTON	Grab	VOC(21)	1618 (HCl to pH<2) (3)	N/A	04/15/2021 11:30	

4/16/21

Special Instructions:	Shipment for Case Complete? N Samples Transferred From Chain of Custody #

Analysis Key: VOC=TAL VOCs, SVOC=TAL SVOCs, PEST=TAL Pesticides, ARO=TAL Aroclors, %M=Percent Moisture

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples	Regina SAT	4/16/21 0845	[signature]	4/16/21 0845	IR Cor #1 2.6; 2.4
					Custody Seal Intact
				CP 4.16.21	Temp Blank present
					No tags

USEPA CLP COC (LAB COPY)

Date Shipped: 4/16/2021
Carrier Name: Hand-Deliver
Airbill No.: N/A

CHAIN OF CUSTODY RECORD

Case #: 49391
Cooler #: 2 of 2

No: 2-041521-131423-0012

Lab: Chemtech Consulting Group
Lab Contact: Sohil Jodhani
Lab Phone: 908-789-8900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
6100-RIN01	BG545	DI Water/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21)	1621 (HCl to pH<2), 1622 (4 C), 1623 (4 C), 1624 (4 C) (9)	N/A	04/15/2021 08:30	
6100-RIN02	BG546	DI Water/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21)	1628 (HCl to pH<2), 1629 (4 C), 1630 (4 C), 1631 (4 C) (9)	N/A	04/15/2021 08:15	

12/21/21

Special Instructions:	Shipment for Case Complete? N Samples Transferred From Chain of Custody #

Analysis Key: VOC=TAL VOCs, SVOC=TAL SVOCs, PEST=TAL Pesticides, ARO=TAL Aroclors

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples	Rgiazsat	4/16/21 0845		4/16/21 0845	IR-Cam #1 2.6, 2.4
					Custody Seal Intact
					Temp Blank present
				CP 4-16-21	No tags

USEPA CLP COC (REGION COPY)
Date Shipped: 4/15/2021
Carrier Name: Fed Ex
Airbill No.: 7734 5612 7350

CHAIN OF CUSTODY RECORD
Coney Island Creek/NY
Case #: 49391
Cooler #: 1 of 1

No: 2-041521-131721-0013
Lab: Bonner Analytical Testing Company
Lab Contact: Patricia Aieken
Lab Phone: 601-264-2854

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
6100-SED21A	MBG4Z8	Sediment/ WESTON	Grab	TAL(21)	1424 (4 C) (1)	SED21/SW21	04/15/2021 11:20	Field Sample
6100-SW20	MBG534	Surface Water/ WESTON	Grab	TALaq(21), CN(21)	1571 (HNO3 to pH<2), 1572 (NaOH to pH>12) (2)	SED21/SW21	04/15/2021 10:20	Field Sample
6100-RIN01	MBG545	DI Water/ WESTON	Grab	TALaq(21), CN(21)	1625 (HNO3 to pH<2), 1626 (NaOH to pH>12) (2)	N/A	04/15/2021 08:30	Rinsate Blank
6100-RIN02	MBG546	DI Water/ WESTON	Grab	TALaq(21), CN(21)	1632 (HNO3 to pH<2), 1633 (NaOH to pH>12) (2)	N/A	04/15/2021 08:15	Rinsate Blank

4/15/21

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #
Analysis Key: TAL=TAL Metals (Hg, CN), TALaq=TAL (Hg), CN=TAL Cyanide	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples	Region 2 SAT	4/15/21 1530	Fed Ex	4/15/21 1530	



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USEPA CLP COC (LAB COPY)

Date Shipped: 4/19/2021

Carrier Name: FedEx

Airbill No.: 7734 8668 8212

CHAIN OF CUSTODY RECORD

Case #: 49391

Cooler #: 1 of 3

No: 2-041921-154813-0015

Lab: Chemtech Consulting Group

Lab Contact: Sohil Jodhani

Lab Phone: 908-789-8900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
6100-SED01A	BG558	Sediment/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21), %M(21)	1000 (4 C), 1001 (4 C), 1002 (4 C), 1003 (4 C), 1006 (4 C) (9)	SED01/SW01	04/19/2021 08:45	
6100-SED01B	BG559	Sediment/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21), %M(21)	1007 (4 C), 1008 (4 C), 1009 (4 C), 1010 (4 C), 1013 (4 C) (7)	SED01/SW01	04/19/2021 09:05	
6100-SED01C	BG560	Sediment/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21), %M(21)	1014 (4 C), 1015 (4 C), 1016 (4 C), 1017 (4 C), 1020 (4 C) (7)	SED01/SW01	04/19/2021 09:15	
6100-SED02A	BG561	Sediment/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21), %M(21)	1021 (4 C), 1022 (4 C), 1023 (4 C), 1024 (4 C), 1027 (4 C) (7)	SED02	04/19/2021 09:40	
6100-SED02B	BG562	Sediment/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21), %M(21)	1028 (4 C), 1029 (4 C), 1030 (4 C), 1031 (4 C), 1034 (4 C) (7)	SED02	04/19/2021 09:55	
6100-SED02C	BG563	Sediment/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21), %M(21)	1035 (4 C), 1036 (4 C), 1037 (4 C), 1038 (4 C), 1041 (4 C) (7)	SED02	04/19/2021 10:10	

Sample(s) to be used for Lab QC: 6100-SED01A Tag 1000, 6100-SED01A Tag 1001, 6100-SED01A Tag 1002, 6100-SED01A Tag 1003, 6100-SED01A Tag 1006	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #
Analysis Key: VOC=TAL VOCs, SVOC=TAL SVOCs, PEST=TAL Pesticides, ARO=TAL Aroclors, %M=Percent Moisture	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples	Ryan Sat	4/19/21 1800	FedEx	4/19/21 1800	

USEPA CLP COC (LAB COPY)

Date Shipped: 4/19/2021

Carrier Name: FedEx

Airbill No.: 7734 8668 8212

CHAIN OF CUSTODY RECORD

Case #: 49391

Cooler #: 2 of 2

No: 2-041921-155442-0016

Lab: Chemtech Consulting Group

Lab Contact: Sohil Jodhani

Lab Phone: 908-789-8900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
6100-SED03A	BG564	Sediment/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21), %M(21)	1042 (4 C), 1043 (4 C), 1044 (4 C), 1045 (4 C), 1048 (4 C) (7)	SED03	04/19/2021 11:10	
6100-SED03B	BG565	Sediment/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21), %M(21)	1049 (4 C), 1050 (4 C), 1051 (4 C), 1052 (4 C), 1055 (4 C) (7)	SED03	04/19/2021 11:25	
6100-SED03C	BG566	Sediment/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21), %M(21)	1056 (4 C), 1057 (4 C), 1058 (4 C), 1059 (4 C), 1062 (4 C) (7)	SED03	04/19/2021 11:35	
6100-SED04A	BG567	Sediment/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21), %M(21)	1063 (4 C), 1064 (4 C), 1065 (4 C), 1066 (4 C), 1069 (4 C) (7)	SED04/SW04	04/19/2021 12:15	
6100-SED04B	BG568	Sediment/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21), %M(21)	1070 (4 C), 1071 (4 C), 1072 (4 C), 1073 (4 C), 1076 (4 C) (7)	SED04/SW04	04/19/2021 12:30	
6100-SED04C	BG569	Sediment/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21), %M(21)	1077 (4 C), 1078 (4 C), 1079 (4 C), 1080 (4 C), 1083 (4 C) (7)	SED04/SW04	04/19/2021 12:40	

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #
Analysis Key: VOC=TAL VOCs, SVOC=TAL SVOCs, PEST=TAL Pesticides, ARO=TAL Aroclors, %M=Percent Moisture	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples	[signature]	4/19/21 1800	FedEx	4/19/21 1800	

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CHAIN OF CUSTODY RECORD

Case #: 49391
Cooler #: 3 of 3

No: 2-041921-155912-0017
Lab: Chemtech Consulting Group
Lab Contact: Sohil Jodhani
Lab Phone: 908-789-8900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
6100-SED05A	BG570	Sediment/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21), %M(21)	1084 (4 C), 1085 (4 C), 1086 (4 C), 1087 (4 C), 1090 (4 C) (7)	SED05	04/19/2021 13:20	
6100-SED05B	BG571	Sediment/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21), %M(21)	1091 (4 C), 1092 (4 C), 1093 (4 C), 1094 (4 C), 1097 (4 C) (7)	SED05	04/19/2021 13:35	
6100-SED05C	BG572	Sediment/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21), %M(21)	1098 (4 C), 1099 (4 C), 1100 (4 C), 1101 (4 C), 1104 (4 C) (7)	SED05	04/19/2021 13:45	

Special Instructions:

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: VOC=TAL VOCs, SVOC=TAL SVOCs, PEST=TAL Pesticides, ARO=TAL Aroclors, %M=Percent Moisture

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples	Ryan Zinn	4/19/21 1600	FedEx	4/15/21 1600	



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CHAIN OF CUSTODY RECORD
Coney Island Creek/NY
Case #: 49391
Cooler #: 1 of 1

No: 2-041921-160144-0018
Lab: Bonner Analytical Testing Company
Lab Contact: Patricia Aieken
Lab Phone: 601-264-2854

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
6100-SED01A	BG558	Sediment/ WESTON	Grab	~~TAL(21)~~ 5 ICP-AES 11+	1004 (4 C) (2)	SED01/SW01	04/19/2021 08:45	Field Sample
6100-SED01B	BG559	Sediment/ WESTON	Grab	~~TAL(21)~~	1011 (4 C) (1)	SED01/SW01	04/19/2021 09:05	Field Sample
6100-SED01C	BG560	Sediment/ WESTON	Grab	~~TAL(21)~~	1018 (4 C) (1)	SED01/SW01	04/19/2021 09:15	Field Sample
6100-SED02A	BG561	Sediment/ WESTON	Grab	~~TAL(21)~~	1025 (4 C) (1)	SED02	04/19/2021 09:40	Field Sample
6100-SED02B	BG562	Sediment/ WESTON	Grab	~~TAL(21)~~	1032 (4 C) (1)	SED02	04/19/2021 09:55	Field Sample
6100-SED02C	BG563	Sediment/ WESTON	Grab	~~TAL(21)~~	1039 (4 C) (1)	SED02	04/19/2021 10:10	Field Sample
6100-SED03A	BG564	Sediment/ WESTON	Grab	~~TAL(21)~~	1046 (4 C) (1)	SED03	04/19/2021 11:10	Field Sample
6100-SED03B	BG565	Sediment/ WESTON	Grab	~~TAL(21)~~	1053 (4 C) (1)	SED03	04/19/2021 11:25	Field Sample
6100-SED03C	BG566	Sediment/ WESTON	Grab	~~TAL(21)~~	1060 (4 C) (1)	SED03	04/19/2021 11:35	Field Sample
6100-SED04A	BG567	Sediment/ WESTON	Grab	~~TAL(21)~~	1067 (4 C) (1)	SED04/SW04	04/19/2021 12:15	Field Sample

Sample(s) to be used for Lab QC: 6100-SED01A Tag 1004	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #
Analysis Key: TAL=ICP-AES 11+ Metals (Hg, CN)	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples	Regional	4/19/21 1800	FedEx	4/19/21 1800	

USEPA CLP COC (REGION COPY)
Date Shipped: 4/19/2021
Carrier Name: Fed Ex
Airbill No.: 7734 8679 6945

CHAIN OF CUSTODY RECORD
Coney Island Creek/NY
Case #: 49391
Cooler #: 1 of 1

No: 2-041921-160144-0018
Lab: Bonner Analytical Testing Company
Lab Contact: Patricia Aieken
Lab Phone: 601-264-2854

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
6100-SED04B	BG568	Sediment/ WESTON	Grab	~~TAL(21)~~ 45 ICP-AES 11+	1074 (4 C) (1)	SED04/SW04	04/19/2021 12:30	Field Sample
6100-SED04C	BG569	Sediment/ WESTON	Grab	~~TAL(21)~~	1081 (4 C) (1)	SED04/SW04	04/19/2021 12:40	Field Sample
6100-SED05A	BG570	Sediment/ WESTON	Grab	~~TAL(21)~~	1088 (4 C) (1)	SED05	04/19/2021 13:20	Field Sample
6100-SED05B	BG571	Sediment/ WESTON	Grab	~~TAL(21)~~	1095 (4 C) (1)	SED05	04/19/2021 13:35	Field Sample
6100-SED05C	BG572	Sediment/ WESTON	Grab	~~TAL(21)~~	1102 (4 C) (1)	SED05	04/19/2021 13:45	Field Sample

Special Instructions:

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: TAL=ICP-AES 11+ Metals (Hg, CN)

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples		4/19/21 1500	FedEx	4/19/21 1500	

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Date Shipped: 4/19/2021
Carrier Name: FedEx
Airbill No.: 7734 8686 1461

CHAIN OF CUSTODY RECORD

Weston Solutions, Inc.
PO #0106152

No: 2-041921-160506-0019
Lab: Chemtech Consulting Group
Lab Contact: Sohil Jodhani
Lab Phone: 908-789-8900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
6100-SED21A	BG4Z8	Sediment/ WESTON	Grab	TOC(21)	1425 (4 C) (1)	SED21/SW21	04/15/2021 11:20	
6100-SED01A	BG558	Sediment/ WESTON	Grab	TOC(21)	1005 (4 C) (1)	SED01/SW01	04/19/2021 08:45	
6100-SED01B	BG559	Sediment/ WESTON	Grab	TOC(21)	1012 (4 C) (1)	SED01/SW01	04/19/2021 09:05	
6100-SED01C	BG560	Sediment/ WESTON	Grab	TOC(21)	1019 (4 C) (1)	SED01/SW01	04/19/2021 09:15	
6100-SED02A	BG561	Sediment/ WESTON	Grab	TOC(21)	1026 (4 C) (1)	SED02	04/19/2021 09:40	
6100-SED02B	BG562	Sediment/ WESTON	Grab	TOC(21)	1033 (4 C) (1)	SED02	04/19/2021 09:55	
6100-SED02C	BG563	Sediment/ WESTON	Grab	TOC(21)	1040 (4 C) (1)	SED02	04/19/2021 10:10	
6100-SED03A	BG564	Sediment/ WESTON	Grab	TOC(21)	1047 (4 C) (1)	SED03	04/19/2021 11:10	
6100-SED03B	BG565	Sediment/ WESTON	Grab	TOC(21)	1054 (4 C) (1)	SED03	04/19/2021 11:25	
6100-SED03C	BG566	Sediment/ WESTON	Grab	TOC(21)	1061 (4 C) (1)	SED03	04/19/2021 11:35	

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #
Analysis Key: TOC=TAL TOC	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples		4/19/21 1600	FedEx	4/19/21 1600	

USEPA CLP COC (LAB COPY)
Date Shipped: 4/19/2021
Carrier Name: FedEx
Airbill No.: 7734 8686 1461

CHAIN OF CUSTODY RECORD

Weston Solutions, Inc.
PO #0106152

No: 2-041921-160506-0019
Lab: Chemtech Consulting Group
Lab Contact: Sohil Jodhani
Lab Phone: 908-789-8900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
6100-SED04A	BG567	Sediment/ WESTON	Grab	TOC(21)	1068 (4 C) (1)	SED04/SW04	04/19/2021 12:15	
6100-SED04B	BG568	Sediment/ WESTON	Grab	TOC(21)	1075 (4 C) (1)	SED04/SW04	04/19/2021 12:30	
6100-SED04C	BG569	Sediment/ WESTON	Grab	TOC(21)	1082 (4 C) (1)	SED04/SW04	04/19/2021 12:40	
6100-SED05A	BG570	Sediment/ WESTON	Grab	TOC(21)	1089 (4 C) (1)	SED05	04/19/2021 13:20	
6100-SED05B	BG571	Sediment/ WESTON	Grab	TOC(21)	1096 (4 C) (1)	SED05	04/19/2021 13:35	
6100-SED05C	BG572	Sediment/ WESTON	Grab	TOC(21)	1103 (4 C) (1)	SED05	04/19/2021 13:45	

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #
Analysis Key: TOC=TAL TOC	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples	Region2STI	4/19/21 1600	FedEx	4/19/21 1600	



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CHAIN OF CUSTODY RECORD

Case #: 49391
Cooler #: 1 of 3

No: 2-042021-161653-0020
Lab: Chemtech Consulting Group
Lab Contact: Sohil Jodhani
Lab Phone: 908-789-8900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
6100-SED25A	BG510	Sediment/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21), %M(21)	1504 (4 C), 1505 (4 C), 1506 (4 C), 1507 (4 C), 1510 (4 C) (7)	SED25/SW25	04/20/2021 09:25	
6100-SED25B	BG511	Sediment/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21), %M(21)	1511 (4 C), 1512 (4 C), 1513 (4 C), 1514 (4 C), 1517 (4 C) (7)	SED25/SW25	04/20/2021 10:05	
6100-SED25C	BG512	Sediment/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21), %M(21)	1518 (4 C), 1519 (4 C), 1520 (4 C), 1521 (4 C), 1524 (4 C) (7)	SED25/SW25	04/20/2021 10:20	
6100-SED26A	BG513	Sediment/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21), %M(21)	1656 (4 C), 1657 (4 C), 1658 (4 C), 1659 (4 C), 1662 (4 C) (7)	SED25/SW25	04/20/2021 09:30	
6100-RIN03	BG547	DI Water/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21)	1635 (HCl to pH<2), 1636 (4 C), 1637 (4 C), 1638 (4 C) (9)	N/A	04/20/2021 08:50	

Special Instructions:

Shipment for Case Complete? N
Samples Transferred From Chain of Custody #

Analysis Key: VOC=TAL VOCs, SVOC=TAL SVOCs, PEST=TAL Pesticides, ARO=TAL Aroclors, %M=Percent Moisture

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples	Regional SAT	4/21/21 0910		4/21/21 0910	3.2°C NO TAGS IR GUN #1
					Custody seals intact
					Temp Blk. present
				4/21/21	

USEPA CLP COC (LAB COPY)
Date Shipped: 4/21/2021
Carrier Name: Hand-Deliver
Airbill No.: N/A

CHAIN OF CUSTODY RECORD

Case #: 49391
Cooler #: 2 of 3

No: 2-042021-162329-0021
Lab: Chemtech Consulting Group
Lab Contact: Sohil Jodhani
Lab Phone: 908-789-8900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
6100-SED23A	BG504	Sediment/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21), %M(21)	1462 (4 C), 1463 (4 C), 1464 (4 C), 1465 (4 C), 1468 (4 C) (7)	SED23/SW23	04/20/2021 12:00	
6100-SED23B	BG505	Sediment/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21), %M(21)	1469 (4 C), 1470 (4 C), 1471 (4 C), 1472 (4 C), 1475 (4 C) (7)	SED23/SW23	04/20/2021 12:15	
6100-SED23C	BG506	Sediment/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21), %M(21)	1476 (4 C), 1477 (4 C), 1478 (4 C), 1479 (4 C), 1482 (4 C) (7)	SED23/SW23	04/20/2021 12:25	
6100-SED24A	BG507	Sediment/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21), %M(21)	1483 (4 C), 1484 (4 C), 1485 (4 C), 1486 (4 C), 1489 (4 C) (7)	SED24/SW24	04/20/2021 10:55	
6100-SED24B	BG508	Sediment/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21), %M(21)	1490 (4 C), 1491 (4 C), 1492 (4 C), 1493 (4 C), 1496 (4 C) (7)	SED24/SW24	04/20/2021 11:10	
6100-SED24C	BG509	Sediment/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21), %M(21)	1497 (4 C), 1498 (4 C), 1499 (4 C), 1500 (4 C), 1503 (4 C) (7)	SED24/SW24	04/20/2021 11:20	

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #
Analysis Key: VOC=TAL VOCs, SVOC=TAL SVOCs, PEST=TAL Pesticides, ARO=TAL Aroclors, %M=Percent Moisture	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
all Samples	[signature] Bayer 2 SLT	4/21/21 0910	[signature]	4/21/21 0910	3.2°C No TAGS IR GUN #1
					custody seals intact
					Temp Blk. present
				4/21/21	

USEPA CLP COC (LAB COPY)
Date Shipped: 4/21/2021
Carrier Name: Hand-Deliver
Airbill No.: N/A

CHAIN OF CUSTODY RECORD

Case #: 49391
Cooler #: 3 of 3

No: 2-042021-162937-0022
Lab: Chemtech Consulting Group
Lab Contact: Sohil Jodhani
Lab Phone: 908-789-8900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
6100-SED22A	BG501	Sediment/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21), %M(21)	1441 (4 C), 1442 (4 C), 1443 (4 C), 1444 (4 C), 1447 (4 C) (7)	SED22/SW22	04/20/2021 12:50	
6100-SED22B	BG502	Sediment/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21), %M(21)	1448 (4 C), 1449 (4 C), 1450 (4 C), 1451 (4 C), 1454 (4 C) (9)	SED22/SW22	04/20/2021 13:05	
6100-SED22C	BG503	Sediment/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21), %M(21)	1455 (4 C), 1456 (4 C), 1457 (4 C), 1458 (4 C), 1461 (4 C) (7)	SED22/SW22	04/20/2021 13:15	
6100-SED06A	BG573	Sediment/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21), %M(21)	1105 (4 C), 1106 (4 C), 1107 (4 C), 1108 (4 C), 1111 (4 C) (7)	SED06	04/20/2021 14:10	
6100-SED06B	BG574	Sediment/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21), %M(21)	1112 (4 C), 1113 (4 C), 1114 (4 C), 1115 (4 C), 1118 (4 C) (7)	SED06	04/20/2021 14:20	
6100-SED06C	BG575	Sediment/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21), %M(21)	1119 (4 C), 1120 (4 C), 1121 (4 C), 1122 (4 C), 1125 (4 C) (7)	SED06	04/20/2021 14:30	

Sample(s) to be used for Lab QC: 6100-SED22B Tag 1448, 6100-SED22B Tag 1449, 6100-SED22B Tag 1450, 6100-SED22B Tag 1451, 6100-SED22B Tag 1454

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: VOC=TAL VOCs, SVOC=TAL SVOCs, PEST=TAL Pesticides, ARO=TAL Aroclors, %M=Percent Moisture

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples	Ryan Zinn	4/21/21 0910		4/21/21 0910	3.2°C NO TAGS IR GUN #1
					Custody seals intact
					Temp blk. present
				4/21/21	

USEPA CLP COC (REGION COPY)
Date Shipped: 4/20/2021
Carrier Name: Fed Ex
Airbill No.: 7735 0016 0257

CHAIN OF CUSTODY RECORD
Coney Island Creek/NY
Case #: 49391
Cooler #: 1 of 1

No: 2-042021-163411-0023
Lab: Bonner Analytical Testing Company
Lab Contact: Patricia Aieken
Lab Phone: 601-264-2854

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
6100-SED22A	BG501	Sediment/ WESTON	Grab	~~TAL(21)~~ ICP-AES (5)	1445 (4 C) (1)	SED22/SW22	04/20/2021 12:50	Field Sample
6100-SED22B	BG502	Sediment/ WESTON	Grab	~~TAL(21)~~	1452 (4 C) (2)	SED22/SW22	04/20/2021 13:05	Field Sample
6100-SED22C	BG503	Sediment/ WESTON	Grab	~~TAL(21)~~	1459 (4 C) (1)	SED22/SW22	04/20/2021 13:15	Field Sample
6100-SED23A	BG504	Sediment/ WESTON	Grab	~~TAL(21)~~	1466 (4 C) (1)	SED23/SW23	04/20/2021 12:00	Field Sample
6100-SED23B	BG505	Sediment/ WESTON	Grab	~~TAL(21)~~	1473 (4 C) (1)	SED23/SW23	04/20/2021 12:15	Field Sample
6100-SED23C	BG506	Sediment/ WESTON	Grab	~~TAL(21)~~	1480 (4 C) (1)	SED23/SW23	04/20/2021 12:25	Field Sample
6100-SED24A	BG507	Sediment/ WESTON	Grab	~~TAL(21)~~	1487 (4 C) (1)	SED24/SW24	04/20/2021 10:55	Field Sample
6100-SED24B	BG508	Sediment/ WESTON	Grab	~~TAL(21)~~	1494 (4 C) (1)	SED24/SW24	04/20/2021 11:10	Field Sample
6100-SED24C	BG509	Sediment/ WESTON	Grab	~~TAL(21)~~	1501 (4 C) (1)	SED24/SW24	04/20/2021 11:20	Field Sample
6100-SED25A	BG510	Sediment/ WESTON	Grab	~~TAL(21)~~	1508 (4 C) (1)	SED25/SW25	04/20/2021 09:25	Field Sample

Sample(s) to be used for Lab QC: 6100-SED22B Tag 1452	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #
Analysis Key: TAL=ICP-AES 11+ Metals (Hg, CN)	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples	[signature]	4/20/21 1615	FedEx	4/20/21 1615	

USEPA CLP COC (REGION COPY)
Date Shipped: 4/20/2021
Carrier Name: Fed Ex
Airbill No.: 7735 0016 0257

CHAIN OF CUSTODY RECORD
Coney Island Creek/NY
Case #: 49391
Cooler #: 1 of 1

No: 2-042021-163411-0023
Lab: Bonner Analytical Testing Company
Lab Contact: Patricia Aieken
Lab Phone: 601-264-2854

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
6100-SED25B	BG511	Sediment/ WESTON	Grab	~~TAL(21)~~ ICP-AES	1515 (4 C) (1)	SED25/SW25	04/20/2021 10:05	Field Sample
6100-SED25C	BG512	Sediment/ WESTON	Grab	~~TAL(21)~~	1522 (4 C) (1)	SED25/SW25	04/20/2021 10:20	Field Sample
6100-SED26A	BG513	Sediment/ WESTON	Grab	~~TAL(21)~~	1660 (4 C) (1)	SED25/SW25	04/20/2021 09:30	Field Duplicate
6100-RIN03	BG547	DI Water/ WESTON	Grab	~~TALaq~~(21), CN(21)	1639 (HNO3 to pH<2), 1640 (NaOH to pH>12) (2)	N/A	04/20/2021 08:50	Rinsate Blank
6100-SED06A	BG573	Sediment/ WESTON	Grab	~~TAL(21)~~	1109 (4 C) (1)	SED06	04/20/2021 14:10	Field Sample
6100-SED06B	BG574	Sediment/ WESTON	Grab	~~TAL(21)~~	1116 (4 C) (1)	SED06	04/20/2021 14:20	Field Sample
6100-SED06C	BG575	Sediment/ WESTON	Grab	~~TAL(21)~~	1123 (4 C) (1)	SED06	04/20/2021 14:30	Field Sample

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #
Analysis Key: TAL=ICP-AES 11+ Metals (Hg, CN), TALaq=ICP-AES 11+ Metals (Hg), CN=TAL Cyanide	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples	Region 2 SAT	4/20/21 1815	FedEx	4/20/21 1815	



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2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

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USEPA CLP COC (LAB COPY)
Date Shipped: 4/21/2021
Carrier Name: Hand-Deliver
Airbill No.: N/A

CHAIN OF CUSTODY RECORD

Weston Solutions, Inc.
PO #0106152

No: 2-042021-164725-0024
Lab: Chemtech Consulting Group
Lab Contact: Sohil Jodhani
Lab Phone: 908-789-8900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
6100-SED22A	BG501	Sediment/ WESTON	Grab	TOC(21)	1446 (4 C) (1)	SED22/SW22	04/20/2021 12:50	
6100-SED22B	BG502	Sediment/ WESTON	Grab	TOC(21)	1453 (4 C) (1)	SED22/SW22	04/20/2021 13:05	
6100-SED22C	BG503	Sediment/ WESTON	Grab	TOC(21)	1460 (4 C) (1)	SED22/SW22	04/20/2021 13:15	
6100-SED23A	BG504	Sediment/ WESTON	Grab	TOC(21)	1467 (4 C) (1)	SED23/SW23	04/20/2021 12:00	
6100-SED23B	BG505	Sediment/ WESTON	Grab	TOC(21)	1474 (4 C) (1)	SED23/SW23	04/20/2021 12:15	
6100-SED23C	BG506	Sediment/ WESTON	Grab	TOC(21)	1481 (4 C) (1)	SED23/SW23	04/20/2021 12:25	
6100-SED24A	BG507	Sediment/ WESTON	Grab	TOC(21)	1488 (4 C) (1)	SED24/SW24	04/20/2021 10:55	
6100-SED24B	BG508	Sediment/ WESTON	Grab	TOC(21)	1495 (4 C) (1)	SED24/SW24	04/20/2021 11:10	
6100-SED24C	BG509	Sediment/ WESTON	Grab	TOC(21)	1502 (4 C) (1)	SED24/SW24	04/20/2021 11:20	
6100-SED25A	BG510	Sediment/ WESTON	Grab	TOC(21)	1509 (4 C) (1)	SED25/SW25	04/20/2021 09:25	

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #
Analysis Key: TOC=TAL TOC	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples	Regin. 2 SAT	4/21/21 0910		4/21/21 0910	3.2°C No TAGS IR GUN #1
					custody seals intact
					Trip BLK present
				4/24/21	

USEPA CLP COC (LAB COPY)
Date Shipped: 4/21/2021
Carrier Name: Hand-Deliver
Airbill No.: N/A

CHAIN OF CUSTODY RECORD

Weston Solutions, Inc.
PO #0106152

No: 2-042021-164725-0024
Lab: Chemtech Consulting Group
Lab Contact: Sohil Jodhani
Lab Phone: 908-789-8900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
6100-SED25B	BG511	Sediment/ WESTON	Grab	TOC(21)	1516 (4 C) (1)	SED25/SW25	04/20/2021 10:05	
6100-SED25C	BG512	Sediment/ WESTON	Grab	TOC(21)	1523 (4 C) (1)	SED25/SW25	04/20/2021 10:20	
6100-SED26A	BG513	Sediment/ WESTON	Grab	TOC(21)	1661 (4 C) (1)	SED25/SW25	04/20/2021 09:30	
6100-SED06A	BG573	Sediment/ WESTON	Grab	TOC(21)	1110 (4 C) (1)	SED06	04/20/2021 14:10	
6100-SED06B	BG574	Sediment/ WESTON	Grab	TOC(21)	1117 (4 C) (1)	SED06	04/20/2021 14:20	
6100-SED06C	BG575	Sediment/ WESTON	Grab	TOC(21)	1124 (4 C) (1)	SED06	04/20/2021 14:30	

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #
Analysis Key: TOC=TAL TOC	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples	Region 2 SAT	4/21/21 0910		4/21/21 0910	3.2°C NO TAGS FR GUN #1
					custody seals intact
					Temp BK - present
				4/21/21	

USEPA
Date Shipped: 4/22/2021
Carrier Name: Hand-Deliver
Airbill No.: N/A

CHAIN OF CUSTODY RECORD
Coney Island Creek/NY
Contact Name: Scott Snyder
Contact Phone: 9732197394

No: 2-042121-120316-0025
Cooler #: 1 of 1
Lab: LSASD Regional Laboratory
Lab Phone: 732-321-4431

Lab #	Sample #	Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	6100-SED01A	SED01/SW01	Grain Size	Sediment	4/19/2021	08:45	1	16-oz. poly jar	4 C	N
	6100-SED01B	SED01/SW01	Grain Size	Sediment	4/19/2021	09:05	1	16-oz. poly jar	4 C	N
	6100-SED01C	SED01/SW01	Grain Size	Sediment	4/19/2021	09:15	1	16-oz. poly jar	4 C	N
	6100-SED02A	SED02	Grain Size	Sediment	4/19/2021	09:40	1	16-oz. poly jar	4 C	N
	6100-SED02B	SED02	Grain Size	Sediment	4/19/2021	09:55	1	16-oz. poly jar	4 C	N
	6100-SED02C	SED02	Grain Size	Sediment	4/19/2021	10:10	1	16-oz. poly jar	4 C	N
	6100-SED03A	SED03	Grain Size	Sediment	4/19/2021	11:10	1	16-oz. poly jar	4 C	N
	6100-SED03B	SED03	Grain Size	Sediment	4/19/2021	11:25	1	16-oz. poly jar	4 C	N
	6100-SED03C	SED03	Grain Size	Sediment	4/19/2021	11:35	1	16-oz. poly jar	4 C	N
	6100-SED04A	SED04/SW04	Grain Size	Sediment	4/19/2021	12:15	1	16-oz. poly jar	4 C	N
	6100-SED04B	SED04/SW04	Grain Size	Sediment	4/19/2021	12:30	1	16-oz. poly jar	4 C	N
	6100-SED04C	SED04/SW04	Grain Size	Sediment	4/19/2021	12:40	1	16-oz. poly jar	4 C	N
	6100-SED05A	SED05	Grain Size	Sediment	4/19/2021	13:20	1	16-oz. poly jar	4 C	N
	6100-SED05B	SED05	Grain Size	Sediment	4/19/2021	13:35	1	16-oz. poly jar	4 C	N
	6100-SED05C	SED05	Grain Size	Sediment	4/19/2021	13:45	1	16-oz. poly jar	4 C	N
	6100-SED06A	SED06	Grain Size	Sediment	4/20/2021	14:10	1	16-oz. poly jar	4 C	N
	6100-SED06B	SED06	Grain Size	Sediment	4/20/2021	14:20	1	16-oz. poly jar	4 C	N
	6100-SED06C	SED06	Grain Size	Sediment	4/20/2021	14:30	1	16-oz. poly jar	4 C	N
	6100-SED21A	SED21/SW21	Grain Size	Sediment	4/15/2021	11:20	1	16-oz. poly jar	4 C	N

Special Instructions: Project No. P-2104014	**SAMPLES TRANSFERRED FROM**
	CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples	Region 2 EST	4/22/21 0905		4/22/21 0905	

USEPA
Date Shipped: 4/22/2021
Carrier Name: Hand-Deliver
Airbill No.: N/A

CHAIN OF CUSTODY RECORD
Coney Island Creek/NY
Contact Name: Scott Snyder
Contact Phone: 9732197394

No: 2-042121-120316-0025
Cooler #: 1 of 1
Lab: LSASD Regional Laboratory
Lab Phone: 732-321-4431

Lab #	Sample #	Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	6100-SED22A	SED22/SW22	Grain Size	Sediment	4/20/2021	12:50	1	16-oz. poly jar	4 C	N
	6100-SED22B	SED22/SW22	Grain Size	Sediment	4/20/2021	13:05	1	16-oz. poly jar	4 C	N
	6100-SED22C	SED22/SW22	Grain Size	Sediment	4/20/2021	13:15	1	16-oz. poly jar	4 C	N
	6100-SED23A	SED23/SW23	Grain Size	Sediment	4/20/2021	12:00	1	16-oz. poly jar	4 C	N
	6100-SED23B	SED23/SW23	Grain Size	Sediment	4/20/2021	12:15	1	16-oz. poly jar	4 C	N
	6100-SED23C	SED23/SW23	Grain Size	Sediment	4/20/2021	12:25	1	16-oz. poly jar	4 C	N
	6100-SED24A	SED24/SW24	Grain Size	Sediment	4/20/2021	10:55	1	16-oz. poly jar	4 C	N
	6100-SED24B	SED24/SW24	Grain Size	Sediment	4/20/2021	11:10	1	16-oz. poly jar	4 C	N
	6100-SED24C	SED24/SW24	Grain Size	Sediment	4/20/2021	11:20	1	16-oz. poly jar	4 C	N
	6100-SED25A	SED25/SW25	Grain Size	Sediment	4/20/2021	09:25	1	16-oz. poly jar	4 C	N
	6100-SED25B	SED25/SW25	Grain Size	Sediment	4/20/2021	10:05	1	16-oz. poly jar	4 C	N
	6100-SED25C	SED25/SW25	Grain Size	Sediment	4/20/2021	10:20	1	16-oz. poly jar	4 C	N
	6100-SED26A	SED25/SW25	Grain Size	Sediment	4/20/2021	09:30	1	16-oz. poly jar	4 C	N

Special Instructions: Project No. P-2104014

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples	Regina Best	4/22/21 0905		4/22/21 0905	

USEPA CLP COC (LAB COPY)
Date Shipped: 4/23/2021
Carrier Name: Hand-Deliver
Airbill No.: N/A

CHAIN OF CUSTODY RECORD

Case #: 49391
Cooler #: 1 of 1

No: 2-042321-112746-0026
Lab: Chemtech Consulting Group
Lab Contact: Sohil Jodhani
Lab Phone: 908-789-8900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
6100-SED26B	BG514	Sediment/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21), %M(21)	1663 (4 C), 1664 (4 C), 1665 (4 C), 1666 (4 C), 1669 (4 C) (7)	SED09/SW09	04/23/2021 09:35	
6100-SED08A	BG579	Sediment/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21), %M(21)	1147 (4 C), 1148 (4 C), 1149 (4 C), 1150 (4 C), 1153 (4 C) (7)	SED08	04/23/2021 11:00	
6100-SED08B	BG580	Sediment/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21), %M(21)	1154 (4 C), 1155 (4 C), 1156 (4 C), 1157 (4 C), 1160 (4 C) (7)	SED08	04/23/2021 11:10	
6100-SED08C	BG581	Sediment/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21), %M(21)	1161 (4 C), 1162 (4 C), 1163 (4 C), 1164 (4 C), 1167 (4 C) (7)	SED08	04/23/2021 11:20	
6100-SED09A	BG582	Sediment/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21), %M(21)	1168 (4 C), 1169 (4 C), 1170 (4 C), 1171 (4 C), 1174 (4 C) (7)	SED09/SW09	04/23/2021 09:15	
6100-SED09B	BG583	Sediment/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21), %M(21)	1175 (4 C), 1176 (4 C), 1177 (4 C), 1178 (4 C), 1181 (4 C) (7)	SED09/SW09	04/23/2021 09:30	
6100-SED09C	BG584	Sediment/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21), %M(21)	1182 (4 C), 1183 (4 C), 1184 (4 C), 1185 (4 C), 1188 (4 C) (7)	SED09/SW09	04/23/2021 09:40	

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #

Analysis Key: VOC=TAL VOCs, SVOC=TAL SVOCs, PEST=TAL Pesticides, ARO=TAL Aroclors, %M=Percent Moisture

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples	Rogier 2SAT	4/23/21 1525		4/23/21 1525	4.1°C NO TAGS IR GW #1
					custody seals intact
					Temp blk - present
			4/23/21		

USEPA CLP COC (REGION COPY)
Date Shipped: 4/23/2021
Carrier Name: Fed Ex
Airbill No.: 7735 3239 5300

CHAIN OF CUSTODY RECORD
Coney Island Creek/NY
Case #: 49391
Cooler #: 1 of 1

No: 2-042321-113413-0027
Lab: Bonner Analytical Testing Company
Lab Contact: Patricia Aieken
Lab Phone: 601-264-2854

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
6100-SED26B	BG514	Sediment/ WESTON	Grab	~~TAL(21)~~ ICP-AES 11+	1667 (4 C) (1)	SED09/SW09	04/23/2021 09:35	Field Duplicate
6100-SED08A	BG579	Sediment/ WESTON	Grab	~~TAL(21)~~	1151 (4 C) (1)	SED08	04/23/2021 11:00	Field Sample
6100-SED08B	BG580	Sediment/ WESTON	Grab	~~TAL(21)~~	1158 (4 C) (1)	SED08	04/23/2021 11:10	Field Sample
6100-SED08C	BG581	Sediment/ WESTON	Grab	~~TAL(21)~~	1165 (4 C) (1)	SED08	04/23/2021 11:20	Field Sample
6100-SED09A	BG582	Sediment/ WESTON	Grab	~~TAL(21)~~	1172 (4 C) (1)	SED09/SW09	04/23/2021 09:15	Field Sample
6100-SED09B	BG583	Sediment/ WESTON	Grab	~~TAL(21)~~	1179 (4 C) (1)	SED09/SW09	04/23/2021 09:30	Field Sample
6100-SED09C	BG584	Sediment/ WESTON	Grab	~~TAL(21)~~	1186 (4 C) (1)	SED09/SW09	04/23/2021 09:40	Field Sample

Special Instructions:

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: TAL=ICP-AES 11+ Metals (Hg, CN)

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples	Regina Sst	4/23/21 1400	FedEx	4/23/21 1406	



After printing this label:
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.
Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery,misdelivery,or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim.Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental,consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss.Maximum for items of extraordinary value is $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

USEPA
Date Shipped: 4/23/2021
Carrier Name: Hand-Deliver
Airbill No.: N/A

CHAIN OF CUSTODY RECORD
Site #: 6100
Contact Name: Scott Snyder
Contact Phone: 9732197394

No: 2-042321-115829-0028
Cooler #: 1 of 1
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	6100-SED26B	SED09/SW09	TAL TOC	Sediment	4/23/2021	09:35	1	4-oz. glass jar	4 C	N
	6100-SED08A	SED08	TAL TOC	Sediment	4/23/2021	11:00	1	4-oz. glass jar	4 C	N
	6100-SED08B	SED08	TAL TOC	Sediment	4/23/2021	11:10	1	4-oz. glass jar	4 C	N
	6100-SED08C	SED08	TAL TOC	Sediment	4/23/2021	11:20	1	4-oz. glass jar	4 C	N
	6100-SED09A	SED09/SW09	TAL TOC	Sediment	4/23/2021	09:15	1	4-oz. glass jar	4 C	N
	6100-SED09B	SED09/SW09	TAL TOC	Sediment	4/23/2021	09:30	1	4-oz. glass jar	4 C	N
	6100-SED09C	SED09/SW09	TAL TOC	Sediment	4/23/2021	09:40	1	4-oz. glass jar	4 C	N

Special Instructions: PO #0106152

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples	Region 2 SST	4/23/21 1525		4/23/21 1523	4.1°C NO TAGS IR GUN #1
					custody seals intact
					Tap BLK - present
				4/23/21	

USEPA CLP COC (REGION COPY)
Date Shipped: 4/26/2021
Carrier Name: Fed Ex
AirbillNo: 773549345643

CHAIN OF CUSTODY RECORD
Coney Island Creek/NY
Case #: 49391
Cooler #: 1 of 1

No: 2-042621-133929-0029
Lab: Bonner Analytical Testing Company
Lab Contact: Patricia Aieken
Lab Phone: 601-264-2854

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
6100-SED26C	BG515	Sediment/ WESTON	Grab	~~TAL(21)~~ (5) ICP-AES11+	1674 (4 C) (1)	SED07	04/26/2021 09:25	Field Duplicate
6100-SED07A	BG576	Sediment/ WESTON	Grab	~~TAL(21)~~	1130 (4 C) (2)	SED07	04/26/2021 08:55	Field Sample
6100-SED07B	BG577	Sediment/ WESTON	Grab	~~TAL(21)~~	1137 (4 C) (1)	SED07	04/26/2021 09:05	Field Sample
6100-SED07C	BG578	Sediment/ WESTON	Grab	~~TAL(21)~~	1144 (4 C) (1)	SED07	04/26/2021 09:15	Field Sample
6100-SED10A	BG585	Sediment/ WESTON	Grab	~~TAL(21)~~	1193 (4 C) (1)	SED10	04/26/2021 10:20	Field Sample
6100-SED10B	BG586	Sediment/ WESTON	Grab	~~TAL(21)~~	1200 (4 C) (1)	SED10	04/26/2021 10:30	Field Sample
6100-SED10C	BG587	Sediment/ WESTON	Grab	~~TAL(21)~~	1207 (4 C) (1)	SED10	04/26/2021 10:40	Field Sample
6100-SED11A	BG588	Sediment/ WESTON	Grab	~~TAL(21)~~	1214 (4 C) (1)	SED11/SW11	04/26/2021 11:10	Field Sample
6100-SED11B	BG589	Sediment/ WESTON	Grab	~~TAL(21)~~	1221 (4 C) (1)	SED11/SW11	04/26/2021 11:20	Field Sample
6100-SED11C	BG590	Sediment/ WESTON	Grab	~~TAL(21)~~	1228 (4 C) (1)	SED11/SW11	04/26/2021 11:30	Field Sample

Sample(s) to be used for Lab QC: 6100-SED07A Tag 1130	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #
Analysis Key: TAL=ICP-AES 11+ Metals (Hg, CN)	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt

USEPA CLP COC (REGION COPY)
Date Shipped: 4/26/2021
Carrier Name: Fed Ex
AirbillNo: 773549345643

CHAIN OF CUSTODY RECORD
Coney Island Creek/NY
Case #: 49391
Cooler #: 1 of 1

No: 2-042621-133929-0029
Lab: Bonner Analytical Testing Company
Lab Contact: Patricia Aieken
Lab Phone: 601-264-2854

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
6100-SED12A	BG591	Sediment/ WESTON	Grab	~~TAL(21)~~ ICP-AES 11+	1235 (4 C) (1)	SED12	04/26/2021 12:15	Field Sample
6100-SED12B	BG592	Sediment/ WESTON	Grab	~~TAL(21)~~	1242 (4 C) (1)	SED12	04/26/2021 12:25	Field Sample
6100-SED13A	BG594	Sediment/ WESTON	Grab	~~TAL(21)~~	1256 (4 C) (1)	SED13/SW13	04/26/2021 13:00	Field Sample
6100-SED13B	BG595	Sediment/ WESTON	Grab	~~TAL(21)~~	1263 (4 C) (1)	SED13/SW13	04/26/2021 13:10	Field Sample
6100-SED13C	BG596	Sediment/ WESTON	Grab	~~TAL(21)~~	1270 (4 C) (1)	SED13/SW13	04/26/2021 13:20	Field Sample

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #
Analysis Key: TAL=ICP-AES 11+ Metals (Hg, CN)	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt

DELIVERED

Signed for by: P.ATKINS



GET STATUS UPDATES

OBTAIN PROOF OF DELIVERY

FROM

Denise Driscoll

1090 King Georges Post Rd
Suite 201
EDISON, NJ US 08837
908-510-3798

TO

Patricia Aiken
Bonner Analytical Tetsing Co

2703 Oak Grove Road
HATTIESBURG, MS US 39402
601-264-2854

Travel History | Shipment Facts

TRACKING NUMBER
773549345643

SERVICE
FedEx Standard Overnight

WEIGHT
35 lbs / 15.88 kgs

DIMENSIONS
20x11x13 in.

DELIVERY ATTEMPTS
1

DELIVERED TO
Receptionist/Front Desk

TOTAL PIECES
1

TOTAL SHIPMENT WEIGHT
35 lbs / 15.88 kgs

TERMS
Shipper

SHIPPER REFERENCE
TD # 40200.025.030.6100

PACKAGING
Your Packaging

SPECIAL HANDLING SECTION
Deliver Weekday, Non Standard Packaging

SHIP DATE
4/26/21

STANDARD TRANSIT
4/27/21 by 4:30 pm

ACTUAL DELIVERY
4/27/21 at 10:30 am

USEPA CLP COC (REGION COPY)
Date Shipped: 4/26/2021
CarrierName: FedEx
AirbillNo: 773549708227

CHAIN OF CUSTODY RECORD
Coney Island Creek/NY
Case #: 49391
Cooler #: 1 or 3

No: 2-042621-135851-0030
Lab: Chemtech Consulting Group
Lab Contact: Sohil Jodhani
Lab Phone: 908-789-8900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
6100-SED26C	BG515	Sediment/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21), %M(21)	1670 (4 C), 1671 (4 C), 1672 (4 C), 1673 (4 C), 1676 (4 C) (7)	SED07	04/26/2021 09:25	Field Duplicate
6100-SED07A	BG576	Sediment/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21), %M(21)	1126 (4 C), 1127 (4 C), 1128 (4 C), 1129 (4 C), 1132 (4 C) (10)	SED07	04/26/2021 08:55	Field Sample
6100-SED07B	BG577	Sediment/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21), %M(21)	1133 (4 C), 1134 (4 C), 1135 (4 C), 1136 (4 C), 1139 (4 C) (7)	SED07	04/26/2021 09:05	Field Sample
6100-SED07C	BG578	Sediment/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21), %M(21)	1140 (4 C), 1141 (4 C), 1142 (4 C), 1143 (4 C), 1146 (4 C) (7)	SED07	04/26/2021 09:15	Field Sample

Sample(s) to be used for Lab QC: 6100-SED07A Tag 1126, 6100-SED07A Tag 1127, 6100-SED07A Tag 1128, 6100-SED07A Tag 1129, 6100-SED07A Tag 1132	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #
Analysis Key: VOC=TAL VOCs, SVOC=TAL SVOCs, PEST=TAL Pesticides, ARO=TAL Aroclors, %M=Percent Moisture	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt

USEPA CLP COC (REGION COPY)
Date Shipped: 4/26/2021
CarrierName: FedEx
AirbillNo: 773549708227

CHAIN OF CUSTODY RECORD
Coney Island Creek/NY
Case #: 49391
Cooler #: 2 of 3

No: 2-042621-141025-0031
Lab: Chemtech Consulting Group
Lab Contact: Sohil Jodhani
Lab Phone: 908-789-8900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
6100-SED10A	BG585	Sediment/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21), %M(21)	1189 (4 C), 1190 (4 C), 1191 (4 C), 1192 (4 C), 1195 (4 C) (7)	SED10	04/26/2021 10:20	Field Sample
6100-SED10B	BG586	Sediment/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21), %M(21)	1196 (4 C), 1197 (4 C), 1198 (4 C), 1199 (4 C), 1202 (4 C) (7)	SED10	04/26/2021 10:30	Field Sample
6100-SED10C	BG587	Sediment/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21), %M(21)	1203 (4 C), 1204 (4 C), 1205 (4 C), 1206 (4 C), 1209 (4 C) (7)	SED10	04/26/2021 10:40	Field Sample
6100-SED11A	BG588	Sediment/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21), %M(21)	1210 (4 C), 1211 (4 C), 1212 (4 C), 1213 (4 C), 1216 (4 C) (7)	SED11/SW11	04/26/2021 11:10	Field Sample
6100-SED11B	BG589	Sediment/ WESTON	Grab	%M(21), VOC(21), SVOC(21), PEST(21), ARO(21)	1009 (4 C), 1217 (4 C), 1218 (4 C), 1219 (4 C), 1220 (4 C) (7)	SED11/SW11	04/26/2021 11:20	Field Sample
6100-SED11C	BG590	Sediment/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21), %M(21)	1224 (4 C), 1225 (4 C), 1226 (4 C), 1227 (4 C), 1230 (4 C) (7)	SED11/SW11	04/26/2021 11:30	Field Sample

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #
Analysis Key: VOC=TAL VOCs, SVOC=TAL SVOCs, PEST=TAL Pesticides, ARO=TAL Aroclors, %M=Percent Moisture	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt

USEPA CLP COC (REGION COPY)
Date Shipped: 4/26/2021
CarrierName: FedEx
AirbillNo: 773549708227

CHAIN OF CUSTODY RECORD
Coney Island Creek/NY
Case #: 49391
Cooler #: 3 of 3

No: 2-042621-141830-0032
Lab: Chemtech Consulting Group
Lab Contact: Sohil Jodhani
Lab Phone: 908-789-8900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
6100-SED12A	BG591	Sediment/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21), %M(21)	1231 (4 C), 1232 (4 C), 1233 (4 C), 1234 (4 C), 1237 (4 C) (7)	SED12	04/26/2021 12:15	Field Sample
6100-SED12B	BG592	Sediment/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21), %M(21)	1238 (4 C), 1239 (4 C), 1240 (4 C), 1241 (4 C), 1244 (4 C) (7)	SED12	04/26/2021 12:25	Field Sample
6100-SED13A	BG594	Sediment/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21), %M(21)	1252 (4 C), 1253 (4 C), 1254 (4 C), 1255 (4 C), 1258 (4 C) (7)	SED13/SW13	04/26/2021 13:00	Field Sample
6100-SED13B	BG595	Sediment/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21), %M(21)	1259 (4 C), 1260 (4 C), 1261 (4 C), 1262 (4 C), 1265 (4 C) (7)	SED13/SW13	04/26/2021 13:10	Field Sample
6100-SED13C	BG596	Sediment/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21), %M(21)	1266 (4 C), 1267 (4 C), 1268 (4 C), 1269 (4 C), 1272 (4 C) (7)	SED13/SW13	04/26/2021 13:20	Field Sample

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #
Analysis Key: VOC=TAL VOCs, SVOC=TAL SVOCs, PEST=TAL Pesticides, ARO=TAL Aroclors, %M=Percent Moisture	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt

FROM
Denise Driscoll

1090 King Georges Post Rd
Suite 201
EDISON, NJ US 08837
908-510-3798

TO
Sohil Jodhani
ChemTech Consulting Group

284 Sheffield Street
MOUNTAINSIDE, NJ US 07092
908-728-3154

3 Piece Shipment

TRACKING ID	STATUS	SHIP DATE	DELIVERY DATE	HANDLING PIECE UNITS	SHIPPER CITY, STATE	RECIPIENT CITY, STATE
773549708227 (master)	Delivered	4/26/21	4/27/21	0	EDISON NJ	MOUNTAINSIDE
773549708179	Delivered	4/26/21	4/27/21	0	EDISON NJ	MOUNTAINSIDE
773549708525	Delivered	4/26/21	4/27/21	0	EDISON NJ	MOUNTAINSIDE

Travel History | Shipment Facts

TRACKING NUMBER
773549708179

SERVICE
FedEx Standard Overnight

MASTER TRACKING NUMBER
773549708227

WEIGHT
50 lbs / 22.68 kgs

DIMENSIONS
24x14x15 in

DELIVERY ATTEMPTS
1

DELIVERED TO
Shipping/Receiving

TOTAL PIECES
3

TOTAL SHIPMENT WEIGHT
50 lbs / 22.68 kgs

TERMS
Shipper

SHIPPER REFERENCE
TD #40200.025.030.6100

PACKAGING
Your Packaging

SPECIAL HANDLING SECTION
Deliver Weekday

SHIP DATE
4/26/21

STANDARD TRANSIT
4/27/21 by 4:30 pm

ACTUAL DELIVERY
4/27/21 at 9:57 am

USEPA 4/27/2021

Date Shipped: ~~4/23/2021~~

CarrierName: FedEx

AirbillNo: 773559235180

CHAIN OF CUSTODY RECORD

Site #: 6100

Contact Name: Denise Driscoll

Contact Phone: 732-417-5814

No: 2-042721-142658-0033

Cooler #: 1 of 1

Lab: Chemtech Consulting Group

Lab Phone: 908-789-8900

Lab #	Sample #	Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	6100-SED26C	SED07	TAL TOC	Sediment	4/26/2021	09:25	1	4-oz. glass jar	4 C	N
	6100-SED27A	SED15	TAL TOC	Sediment	4/27/2021	11:50	1	4-oz. glass jar	4 C	N
	6100-SED07A	SED07	TAL TOC	Sediment	4/26/2021	08:55	1	4-oz. glass jar	4 C	N
	6100-SED07B	SED07	TAL TOC	Sediment	4/26/2021	09:05	1	4-oz. glass jar	4 C	N
	6100-SED07C	SED07	TAL TOC	Sediment	4/26/2021	09:15	1	4-oz. glass jar	4 C	N
	6100-SED10A	SED10	TAL TOC	Sediment	4/26/2021	10:20	1	4-oz. glass jar	4 C	N
	6100-SED10B	SED10	TAL TOC	Sediment	4/26/2021	10:30	1	4-oz. glass jar	4 C	N
	6100-SED10C	SED10	TAL TOC	Sediment	4/26/2021	10:40	1	4-oz. glass jar	4 C	N
	6100-SED11A	SED11/SW11	TAL TOC	Sediment	4/26/2021	11:10	1	4-oz. glass jar	4 C	N
	6100-SED11B	SED11/SW11	TAL TOC	Sediment	4/26/2021	11:20	1	4-oz. glass jar	4 C	N
	6100-SED11C	SED11/SW11	TAL TOC	Sediment	4/26/2021	11:30	1	4-oz. glass jar	4 C	N
	6100-SED12A	SED12	TAL TOC	Sediment	4/26/2021	12:15	1	4-oz. glass jar	4 C	N
	6100-SED12B	SED12	TAL TOC	Sediment	4/26/2021	12:25	1	4-oz. glass jar	4 C	N
	6100-SED13A	SED13/SW13	TAL TOC	Sediment	4/26/2021	13:00	1	4-oz. glass jar	4 C	N
	6100-SED13B	SED13/SW13	TAL TOC	Sediment	4/26/2021	13:10	1	4-oz. glass jar	4 C	N
	6100-SED13C	SED13/SW13	TAL TOC	Sediment	4/26/2021	13:20	1	4-oz. glass jar	4 C	N
	6100-SED14A	SED14/SW14	TAL TOC	Sediment	4/27/2021	11:10	1	4-oz. glass jar	4 C	N
	6100-SED15A	SED15	TAL TOC	Sediment	4/27/2021	11:45	1	4-oz. glass jar	4 C	N

Special Instructions: PO #0106152	**SAMPLES TRANSFERRED FROM**
	CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt

USEPA 4/27/2021 (SV)
Date Shipped: ~~4/23/2021~~
CarrierName: FedEx
AirbillNo: 773559235180

CHAIN OF CUSTODY RECORD
Site #: 6100
Contact Name: Denise Driscoll
Contact Phone: 732-417-5814

No: 2-042721-142658-0033
Cooler #: 1 of 1
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	6100-SED15B	SED15	TAL TOC	Sediment	4/27/2021	11:55	1	4-oz. glass jar	4 C	N
	6100-SED16A	SED16	TAL TOC	Sediment	4/27/2021	14:00	1	4-oz. glass jar	4 C	N
	6100-SED17A	SED17	TAL TOC	Sediment	4/27/2021	13:45	1	4-oz. glass jar	4 C	N
	6100-SED18A	SED18	TAL TOC	Sediment	4/27/2021	13:30	1	4-oz. glass jar	4 C	N
	6100-SED19A	SED19	TAL TOC	Sediment	4/27/2021	13:15	1	4-oz. glass jar	4 C	N
	6100-SED20A	SED20/SW20	TAL TOC	Sediment	4/27/2021	13:00	1	4-oz. glass jar	4 C	N

Special Instructions: PO #0106152

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt

DELIVERED

Signed for by: P.ENA



GET STATUS UPDATES

OBTAIN PROOF OF DELIVERY

FROM

Denise Driscoll

1090 King Georges Post Rd
Suite 201
EDISON, NJ US 08837
908-510-3798

TO

Kurt Hummler
ChemTech Consulting

284 Sheffield Street
MOUNTAINSIDE, NJ US 07092
908-789-8900

Travel History | Shipment Facts

TRACKING NUMBER
773559235180

SERVICE
FedEx Standard Overnight

WEIGHT
35 lbs / 15.88 kgs

DIMENSIONS
17x15x11 in.

DELIVERY ATTEMPTS
1

DELIVERED TO
Shipping/Receiving

TOTAL PIECES
1

TOTAL SHIPMENT WEIGHT
40 lbs / 18.14 kgs

TERMS
Shipper

PACKAGING
Your Packaging

SPECIAL HANDLING SECTION
Deliver Weekday

SHIP DATE
4/27/21

STANDARD TRANSIT
4/28/21 by 4:30 pm

ACTUAL DELIVERY
4/28/21 at 9:55 am

USEPA CLP COC (REGION COPY)
DateShipped: 4/27/2021
CarrierName: FedEx
AirbillNo: 773559771285

CHAIN OF CUSTODY RECORD
Coney Island Creek/NY
Weston Solutions, Inc.
Project Number P-2104014

No: 2-042721-143144-0034
Lab: LSASD Regional Laboratory
Lab Contact: Ness Tirol
Lab Phone: 732-321-4431

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
6100-SED07A		Sediment/ WESTON	Grab	GS(35)	A (4 C) (1)	SED07	04/26/2021 08:55	Field Sample
6100-SED07B		Sediment/ WESTON	Grab	GS(35)	A (4 C) (1)	SED07	04/26/2021 09:05	Field Sample
6100-SED07C		Sediment/ WESTON	Grab	GS(35)	A (4 C) (1)	SED07	04/26/2021 09:15	Field Sample
6100-SED08A		Sediment/ WESTON	Grab	GS(35)	A (4 C) (1)	SED08	04/23/2021 11:00	Field Sample
6100-SED08B		Sediment/ WESTON	Grab	GS(35)	A (4 C) (1)	SED08	04/23/2021 11:10	Field Sample
6100-SED08C		Sediment/ WESTON	Grab	GS(35)	A (4 C) (1)	SED08	04/23/2021 11:20	Field Sample
6100-SED09A		Sediment/ WESTON	Grab	GS(35)	A (4 C) (1)	SED09/SW09	04/23/2021 09:15	Field Sample
6100-SED09B		Sediment/ WESTON	Grab	GS(35)	A (4 C) (1)	SED09/SW09	04/23/2021 09:30	Field Sample
6100-SED09C		Sediment/ WESTON	Grab	GS(35)	A (4 C) (1)	SED09/SW09	04/23/2021 09:40	Field Sample
6100-SED10A		Sediment/ WESTON	Grab	GS(35)	A (4 C) (1)	SED10	04/26/2021 10:20	Field Sample

Special Instructions: Project No. P-2104014	**Shipment for Case Complete? Y**
	Samples Transferred From Chain of Custody #
Analysis Key: GS=Grain Size	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt

USEPA CLP COC (REGION COPY)
DateShipped: 4/27/2021
CarrierName: FedEx
AirbillNo: 773559771285

CHAIN OF CUSTODY RECORD
Coney Island Creek/NY
Weston Solutions, Inc.
Project Number P-2104014

No: 2-042721-143144-0034
Lab: LSASD Regional Laboratory
Lab Contact: Ness Tirol
Lab Phone: 732-321-4431

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
6100-SED10B		Sediment/ WESTON	Grab	GS(35)	A (4 C) (1)	SED10	04/26/2021 10:30	Field Sample
6100-SED10C		Sediment/ WESTON	Grab	GS(35)	A (4 C) (1)	SED10	04/26/2021 10:40	Field Sample
6100-SED11A		Sediment/ WESTON	Grab	GS(35)	A (4 C) (1)	SED11/SW11	04/26/2021 11:10	Field Sample
6100-SED11B		Sediment/ WESTON	Grab	GS(35)	A (4 C) (1)	SED11/SW11	04/26/2021 11:20	Field Sample
6100-SED11C		Sediment/ WESTON	Grab	GS(35)	A (4 C) (1)	SED11/SW11	04/26/2021 11:30	Field Sample
6100-SED12A		Sediment/ WESTON	Grab	GS(35)	A (4 C) (1)	SED12	04/26/2021 12:15	Field Sample
6100-SED12B		Sediment/ WESTON	Grab	GS(35)	A (4 C) (1)	SED12	04/26/2021 12:25	Field Sample
6100-SED13A		Sediment/ WESTON	Grab	GS(35)	A (4 C) (1)	SED13/SW13	04/26/2021 13:00	Field Sample
6100-SED13B		Sediment/ WESTON	Grab	GS(35)	A (4 C) (1)	SED13/SW13	04/26/2021 13:10	Field Sample
6100-SED13C		Sediment/ WESTON	Grab	GS(35)	A (4 C) (1)	SED13/SW13	04/26/2021 13:20	Field Sample

Special Instructions: Project No. P-2104014	**Shipment for Case Complete? Y**
	Samples Transferred From Chain of Custody #
Analysis Key: GS=Grain Size	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt

USEPA CLP COC (REGION COPY)
DateShipped: 4/27/2021
CarrierName: FedEx
AirbillNo: 773559771285

CHAIN OF CUSTODY RECORD
Coney Island Creek/NY
Weston Solutions, Inc.
Project Number P-2104014

No: 2-042721-143144-0034
Lab: LSASD Regional Laboratory
Lab Contact: Ness Tirol
Lab Phone: 732-321-4431

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
6100-SED14A		Sediment/ WESTON	Grab	GS(35)	A (4 C) (1)	SED14/SW14	04/27/2021 11:10	Field Sample
6100-SED15A		Sediment/ WESTON	Grab	GS(35)	A (4 C) (1)	SED15	04/27/2021 11:45	Field Sample
6100-SED15B		Sediment/ WESTON	Grab	GS(35)	A (4 C) (1)	SED15	04/27/2021 11:55	Field Sample
6100-SED16A		Sediment/ WESTON	Grab	GS(35)	A (4 C) (1)	SED16	04/27/2021 14:00	Field Sample
6100-SED17A		Sediment/ WESTON	Grab	GS(35)	A (4 C) (1)	SED17	04/27/2021 13:45	Field Sample
6100-SED18A		Sediment/ WESTON	Grab	GS(35)	A (4 C) (1)	SED18	04/27/2021 13:30	Field Sample
6100-SED19A		Sediment/ WESTON	Grab	GS(35)	A (4 C) (1)	SED19	04/27/2021 13:15	Field Sample
6100-SED20A		Sediment/ WESTON	Grab	GS(35)	A (4 C) (1)	SED20/SW20	04/27/2021 13:00	Field Sample
6100-SED26B		Sediment/ WESTON	Grab	GS(35)	A (4 C) (1)	SED09/SW09	04/23/2021 09:35	Field Duplicate
6100-SED27A		Sediment/ WESTON	Grab	GS(35)	A (4 C) (1)	SED15	04/27/2021 11:50	Field Duplicate

Special Instructions: Project No. P-2104014	**Shipment for Case Complete? Y**
	Samples Transferred From Chain of Custody #
Analysis Key: GS=Grain Size	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt

DELIVERED

Signed for by: F.DOOR



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FROM

Denise Driscoll

1090 King Georges Post Rd
Suite 201
EDISON, NJ US 08837
908-510-3798

TO

Ness Tirol
US EPA - LSASD Regional Laboratory

2890 Woodbridge Ave
Building 209
EDISON, NJ US 08837
732-321-4431

Travel History | Shipment Facts | Returns

TRACKING NUMBER
773559771285

SERVICE
FedEx Standard Overnight

WEIGHT
50 lbs / 22.68 kgs

DIMENSIONS
25x15x13 in.

DELIVERY ATTEMPTS
1

DELIVERED TO
Shipping/Receiving

TOTAL PIECES
1

TOTAL SHIPMENT WEIGHT
58.2 lbs / 26.4 kgs

TERMS
Shipper

SHIPPER REFERENCE
TD # 40200.025.030.6100

PACKAGING
Your Packaging

SPECIAL HANDLING SECTION
Deliver Weekday

SHIP DATE
4/27/21

STANDARD TRANSIT
4/28/21 by 4:30 pm

ACTUAL DELIVERY
4/28/21 at 10:27 am

USEPA CLP COC (LAB COPY)
DateShipped: 4/27/2021
Carrier Name: Fed Ex
AirbillNo: 773559579534

CHAIN OF CUSTODY RECORD

Case #: 49391
Cooler #: 1 of 1

No: 2-042721-143514-0035
Lab: Bonner Analytical Testing Company
Lab Contact: Patricia Aieken
Lab Phone: 601-264-2854

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
6100-SED27A	BG516	Sediment/ WESTON	Grab	TAL(21) ICP-AES	1681 (4 C) (1)	SED15	04/27/2021 11:50	
~~6100-SED11B~~	~~BG589~~	~~Sediment/ WESTON~~	~~Grab~~	~~TAL(21)~~	~~1223 (4 C) (1)~~	~~SED11/SW11~~	~~04/26/2021 11:20~~	
6100-SED14A	BG597	Sediment/ WESTON	Grab	TAL(21)	1277 (4 C) (2)	SED14/SW14	04/27/2021 11:10	
6100-SED15A	BG5A0	Sediment/ WESTON	Grab	TAL(21)	1298 (4 C) (1)	SED15	04/27/2021 11:45	
6100-SED15B	BG5A1	Sediment/ WESTON	Grab	TAL(21)	1305 (4 C) (1)	SED15	04/27/2021 11:55	
6100-SED16A	BG5A3	Sediment/ WESTON	Grab	TAL(21)	1319 (4 C) (1)	SED16	04/27/2021 14:00	
6100-SED17A	BG5A6	Sediment/ WESTON	Grab	TAL(21)	1340 (4 C) (1)	SED17	04/27/2021 13:45	
6100-SED18A	BG5A9	Sediment/ WESTON	Grab	TAL(21)	1361 (4 C) (1)	SED18	04/27/2021 13:30	
6100-SED19A	BG5B2	Sediment/ WESTON	Grab	TAL(21)	1382 (4 C) (1)	SED19	04/27/2021 13:15	
6100-SED20A	BG5B5	Sediment/ WESTON	Grab	TAL(21)	1403 (4 C) (1)	SED20/SW20	04/27/2021 13:00	

Sample(s) to be used for Lab QC: 6100-SED14A Tag 1277	**Shipment for Case Complete? Y**
	Samples Transferred From Chain of Custody #
Analysis Key: TAL=ICP-AES 11+ Metals (Hg, CN), TALaq=ICP-AES 11+ Metals (Hg), CN=TAL Cyanide	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples	[signature] WESTON for Denise Driscoll	4/27/21 1730	FedEx	4/27/21 1730	

USEPA CLP COC (LAB COPY)

DateShipped: 4/27/2021

Carrier Name: Fed Ex

AirbillNo: 773559579534

CHAIN OF CUSTODY RECORD

Case #: 49391

Cooler #: 1 of 1

No: 2-042721-143514-0035

Lab: Bonner Analytical Testing Company

Lab Contact: Patricia Aieken

Lab Phone: 601-264-2854

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
6100-RIN04	~~MBG593~~ BC-593 (5)	DI Water/ WESTON	Grab	~~TALaq(21),~~ CN(21) ICP-AES	1016 (HNO3 to pH<2), 1017 (NaOH to pH>12) (2)	N/A	04/27/2021 14:10	
6100-RIN05	~~MBG599~~ BC-599 (6)	DI Water/ WESTON	Grab	~~TALaq(21),~~ CN(21)	1022 (HNO3 to pH<2), 1023 (NaOH to pH>12) (2)	N/A	04/27/2021 14:20	

Special Instructions:	**Shipment for Case Complete? Y**
	Samples Transferred From Chain of Custody #
Analysis Key: TAL=ICP-AES 11+ Metals (Hg, CN), TALaq=ICP-AES 11+ Metals (Hg), CN=TAL Cyanide	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples	WESTON for Denise Driskell	4/27/21 1730	FedEx	4/27/21 1730	

DELIVERED

Signed for by: V.INCE



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FROM

Denise Driscoll

1090 King Georges Post Rd
Suite 201
EDISON, NJ US 08837
908-510-3798

TO

Patricia Aiken
Bonner Analytical Testing Co

2703 Oak Grove Road
HATTIESBURG, MS US 39402
601-264-2854

Travel History | Shipment Facts | Returns

TRACKING NUMBER
773559579534

SERVICE
FedEx Standard Overnight

WEIGHT
35 lbs / 15.88 kgs

DIMENSIONS
17x12x15 in.

DELIVERY ATTEMPTS
1

DELIVERED TO
Receptionist/Front Desk

TOTAL PIECES
1

TOTAL SHIPMENT WEIGHT
35 lbs / 15.88 kgs

TERMS
Shipper

SHIPPER REFERENCE
TD # 40200.025.030.6100

PACKAGING
Your Packaging

SPECIAL HANDLING SECTION
Deliver Weekday, Non Standard Packaging

SHIP DATE
4/27/21

STANDARD TRANSIT
4/28/21 by 4:30 pm

ACTUAL DELIVERY
4/28/21 at 11:29 am

USEPA CLP COC (REGION COPY)
DateShipped: 4/27/2021
CarrierName: FedEx
AirbillNo: 773559416880

CHAIN OF CUSTODY RECORD
Coney Island Creek/NY
Case #: 49391
Cooler #: 1 of 3

No: 2-042721-144628-0036
Lab: Chemtech Consulting Group
Lab Contact: Sohil Jodhani
Lab Phone: 908-789-8900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
6100-RIN04	BG593	DI Water/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21)	1012 (HCl to pH<2), 1013 (4 C), 1014 (4 C), 1015 (4 C) (9)	N/A	04/27/2021 14:10	Rinsate Blank
6100-RIN05	BG599	DI Water/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21)	1018 (HCl to pH<2), 1019 (4 C), 1020 (4 C), 1021 (4 C) (9)	N/A	04/27/2021 14:20	Rinsate Blank

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #
Analysis Key: VOC=TAL VOCs, SVOC=TAL SVOCs, PEST=TAL Pesticides, ARO=TAL Aroclors	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt

USEPA CLP COC (REGION COPY)
DateShipped: 4/27/2021
CarrierName: FedEx
AirbillNo: 773559416813

CHAIN OF CUSTODY RECORD
Coney Island Creek/NY
Case #: 49391
Cooler #: 2 of 3

No: 2-042721-145041-0037
Lab: Chemtech Consulting Group
Lab Contact: Sohil Jodhani
Lab Phone: 908-789-8900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
6100-SED27A	BG516	Sediment/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21), %M(21)	1677 (4 C), 1678 (4 C), 1679 (4 C), 1680 (4 C), 1683 (4 C) (7)	SED15	04/27/2021 11:50	Field Duplicate
6100-SED14A	BG597	Sediment/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21), %M(21)	1273 (4 C), 1274 (4 C), 1275 (4 C), 1276 (4 C), 1279 (4 C) (10)	SED14/SW14	04/27/2021 11:10	Field Sample
6100-SED15A	BG5A0	Sediment/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21), %M(21)	1294 (4 C), 1295 (4 C), 1296 (4 C), 1297 (4 C), 1300 (4 C) (7)	SED15	04/27/2021 11:45	Field Sample
6100-SED16A	BG5A3	Sediment/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21), %M(21)	1315 (4 C), 1316 (4 C), 1317 (4 C), 1318 (4 C), 1321 (4 C) (7)	SED16	04/27/2021 14:00	Field Sample
6100-SED17A	BG5A6	Sediment/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21), %M(21)	1336 (4 C), 1337 (4 C), 1338 (4 C), 1339 (4 C), 1342 (4 C) (7)	SED17	04/27/2021 13:45	Field Sample
6100-SED18A	BG5A9	Sediment/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21), %M(21)	1357 (4 C), 1358 (4 C), 1359 (4 C), 1360 (4 C), 1363 (4 C) (7)	SED18	04/27/2021 13:30	Field Sample

Sample(s) to be used for Lab QC: 6100-SED14A Tag 1273, 6100-SED14A Tag 1274, 6100-SED14A Tag 1275, 6100-SED14A Tag 1276, 6100-SED14A Tag 1279	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #
Analysis Key: VOC=TAL VOCs, SVOC=TAL SVOCs, PEST=TAL Pesticides, ARO=TAL Aroclors, %M=Percent Moisture	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt

USEPA CLP COC (REGION COPY)
DateShipped: 4/27/2021
CarrierName: FedEx
AirbillNo: 773559416927

CHAIN OF CUSTODY RECORD
Coney Island Creek/NY
Case #: 49391
Cooler #: 3 of 3

No: 2-042721-145603-0038
Lab: Chemtech Consulting Group
Lab Contact: Sohil Jodhani
Lab Phone: 908-789-8900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
6100-SED15B	BG5A1	Sediment/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21), %M(21)	1301 (4 C), 1302 (4 C), 1303 (4 C), 1304 (4 C), 1307 (4 C) (7)	SED15	04/27/2021 11:55	Field Sample
6100-SED19A	BG5B2	Sediment/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21), %M(21)	1378 (4 C), 1379 (4 C), 1380 (4 C), 1381 (4 C), 1384 (4 C) (7)	SED19	04/27/2021 13:15	Field Sample
6100-SED20A	BG5B5	Sediment/ WESTON	Grab	VOC(21), SVOC(21), PEST(21), ARO(21), %M(21)	1399 (4 C), 1400 (4 C), 1401 (4 C), 1402 (4 C), 1405 (4 C) (7)	SED20/SW20	04/27/2021 13:00	Field Sample

Special Instructions:	**Shipment for Case Complete? Y**
	Samples Transferred From Chain of Custody #
Analysis Key: VOC=TAL VOCs, SVOC=TAL SVOCs, PEST=TAL Pesticides, ARO=TAL Aroclors, %M=Percent Moisture	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt

FROM
Denise Driscoll

1090 King Georges Post Rd
Suite 201
EDISON, NJ US 08837
908-510-3798

TO
Sohil Jodhani
ChemTech Consulting

284 Sheffield Street
MOUNTAINSIDE, NJ US 07092
908-789-8900

3 Piece Shipment

TRACKING ID	STATUS	SHIP DATE	DELIVERY DATE	HANDLING PIECE UNITS	SHIPPER CITY, STATE	RECIPIENT CITY, STATE
773559416813	Delivered	4/27/21	4/28/21	0	EDISON NJ	MOUNTAINSIDE
773559416927	Delivered	4/27/21	4/28/21	0	EDISON NJ	MOUNTAINSIDE
773559416880 (master)	Delivered	4/27/21	4/28/21	0	EDISON NJ	MOUNTAINSIDE

Travel History | Shipment Facts

TRACKING NUMBER
773559416813

SERVICE
FedEx Standard Overnight

MASTER TRACKING NUMBER
773559416880

WEIGHT
50 lbs / 22.68 kgs

DIMENSIONS
25x15x13 in.

DELIVERY ATTEMPTS
1

DELIVERED TO
Shipping/Receiving

TOTAL PIECES
3

TOTAL SHIPMENT WEIGHT
50 lbs / 22.68 kgs

TERMS
Shipper

SHIPPER REFERENCE
TD # 40200.025.030.6100

PACKAGING
Your Packaging

SPECIAL HANDLING SECTION
Deliver Weekday

SHIP DATE
4/27/21

STANDARD TRANSIT
4/28/21 by 4:30 pm

ACTUAL DELIVERY
4/28/21 at 9:55 am

FINAL ENGINEERING REPORT

For:

Operable Units No. 1, No. 2, and No. 3
Former Brooklyn Borough Gas Works Site
Brooklyn, New York
Site Number 2-24-026

Prepared for:

NATIONAL GRID US
Brooklyn, New York 11210-3850

NOVEMBER 2009,
REVISED APRIL 2013

Prepared by:

Paulus, Sokolowski and Sartor Engineering, PC

67B Mountain Boulevard Extension
P.O. Box 4039
Warren, Somerset County, New Jersey 07059

NATIONAL GRID US
FORMER BROOKLYN BOROUGH GAS WORKS SITE
OU-2 AND OU-3 REMEDIAL ACTIONS

FINAL ENGINEERING REPORT TABLE OF CONTENTS

CERTIFICATION

EXECUTIVE SUMMARY 1

1.0 INTRODUCTION 1-1
- 1.1 Remediation Goals of the NYSDEC Records of Decision 1-1
- 1.2 Selected Remediation Elements of OU-1 1-3
- 1.3 Selected Remediation Elements of OU-2 and OU-3 1-3
- 1.4 Report Organization 1-4

2.0 SITE INFORMATION 2-1
- 2.1 Site Description and Surrounding Areas 2-1
- 2.2 Site Geology and Hydrogeology 2-1
- 2.3 Site History 2-2
- 2.4 OU-1 Remedial Actions 2-4

3.0 OVERVIEW OF THE APPROVED OU-2/OU-3 REMEDIAL DESIGN 3-1
- 3.1 Remediation Standards 3-1
- 3.2 OU-2 and OU-3 Design Elements 3-1

4.0 IMPLEMENTATION OF THE REMEDIAL ACTION 4-1
- 4.1 Contracting 4-1
- 4.2 Permitting 4-2
- 4.3 Pre-Mobilization Activities 4-2
- 4.4 Mobilization and Site Preparation Activities 4-3
- 4.5 Submittals 4-3
- 4.6 Field Changes 4-4
- 4.7 Construction Milestone and Material Quantities 4-6
- 4.8 Site Clearing and Preparation of Work Areas 4-9
  - 4.8.1 Soil Erosion and Sediment Control Measures 4-9
  - 4.8.2 Decontamination Pads and Activities 4-10
- 4.9 Health and Safety Plan 4-10
- 4.10 Community Air Monitoring 4-11
- 4.11 Vibration and Settlement Monitoring 4-12
- 4.12 Coal Tar Source Removal 4-12
- 4.13 Dredging of Coney Island Creek 4-13
  - 4.13.1 Dredging Overview 4-13
  - 4.13.2 Dry Dredging Sediment Excavation 4-14
    - 4.13.2.1 Temporary Water Treatment System 4-15
  - 4.13.3 Wet Dredging Sediment Excavation 4-15
  - 4.13.4 Turbidity 4-17
  - 4.13.5 Debris 4-19
  - 4.13.6 Utilities 4-19

4.14 Processing of Dredge Materials 4-19
4.14.1 Amendment Building 4-19
4.14.2 Amending Demonstration 4-20
4.14.3 Sediment Amendment 4-21
4.15 Placement of Processed Dredge Materials 4-23
4.16 Backfill and Capping of Dredged Creek Areas 4-24
4.17 NAPL Trench and Recovery Wells 4-26
4.18 Ecological Buffer 4-28
4.19 Multi-Component Cap 4-30
4.19.1 Low Permeability Layer 4-30
4.19.2 Vapor Gravel Layer (Passive Venting) 4-30
4.19.3 Topsoil Layer 4-31
4.19.4 Cap Construction Sequence 4-32
4.20 Stormwater Management Measures 4-32
4.21 Monitoring Wells and Piezometers 4-33
4.21.1 Monitoring Well and Piezometer Abandonment 4-33
4.21.2 Monitoring Well and Piezometer Installation 4-33
4.22 Equipment Decontamination and Demobilization 4-36

5.0 SITE RESTORATION 5-1

6.0 RECORD OF CONSTRUCTION DRAWINGS AND SURVEYS 6-1

7.0 WASTE MATERIAL HANDLING AND DISPOSAL 7-1
7.1 Coal Tar Source Materials 7-1
7.2 Construction Rubble/Creek Debris 7-2
7.3 MTA Debris Pile 7-2
7.4 Contaminated Water 7-2
7.5 Well Abandonment NAPL 7-2

8.0 SITE MANAGEMENT PLAN 8-1

9.0 OPERATION, MAINTENANCE AND MONITORING PLAN 9-1

10.0 CONCLUSIONS 10-1

FER FIGURES

Figure 1	Site Location Map

FER TABLES

Table 4-1	SES Specialty Contractors
Table 4-2	Construction Milestone Summary
Table 4-3	Material Quantities
Table 4-4	Disposition of Existing Monitoring Instruments
Table 6-1	Record of Construction Drawings

FER APPENDICES

Appendix A	Record of Construction Drawings and Surveys
Appendix B	NYSDEC Approval of Imported Backfill Materials
Appendix C	Video Survey of Existing Site Conditions (Electronic Copy)
Appendix D	Waste Disposal Manifests (MGP Exclusion and Hazardous) Tracking Log
Appendix E	GEI Community Air Monitoring Plan Closure Report (Text Only; Refer to Electronic Copy for Data)
Appendix F	Vibration and Settlement Point Monitoring Data (Electronic Copy)
Appendix G	SES Chemical Analytical Testing Data and EDDs (Electronic Copy)
Appendix H	November 30, 2007 PDM Map
Appendix I	Geotechnical and Materials Testing Data
Appendix J	Piezometer/Monitoring Well/Recovery Well Construction Logs
Appendix K	CL Manufacturer's Information
Appendix L	Clean Fill Material Certificates
Appendix M	Well Abandonment Records
Appendix N	November 2009 Site Management Plan, Revised April 2013
Appendix O	NYSDEC Environmental Easement Documents (Refer to SMP Appendix B)
Appendix P	Operable Unit No. 1 (OU-1) Remedial Action Report • September 14, 2004 Operable Unit No. 1 (OU-1) Remedial Action Report Revisions Correspondence • July 2004 Operable Unit No. 1 (OU-1) Remedial Action Report
Appendix Q	April 14, 2011 NYSDEC Approval of the Removal of the Trial NAPL Trench Pumping Equipment
Appendix R	February, 2012 NYSDEC Explanation of Significant Difference

FER ACRONYMS

BBGC	Brooklyn Borough Gas Company
bgs	Below Ground Surface
BUGCO	Brooklyn Union Gas Company
CAMP	Community Air Monitoring Program
cm/sec	Centimeters per Second
ConEd	Consolidated Edison
CPO	Contractor Plan of Operations
CQCPP	Contractor Quality Control Project Plan
CSO	Combined Sewer Overflow
cy	Cubic Yards
DGA	Dense Graded Aggregate
DNAPL	Dense Non-Aqueous Phase Liquid
ECs	Engineering Controls
EE	Environmental Easement
ELAP	Environmental Laboratory Accreditation Program
FER	Final Engineering Report
FFS	Focused Feasibility Study
GCL	Geosynthetic Clay Liner
GPM	Gallons per Minute
GPS	Global Positioning System
GTS	Groundwater Treatment System
HASP	Health and Safety Plan
HDPE	High Density Polyethylene
ICs	Institutional Controls
IPC	Incline Plate Clarifier
IRM	Interim Remedial Measure
LDR	Land Disposal Restrictions
LNAPL	Light Non-Aqueous Phase Liquid
mg/L	Milligrams per Liter
MGP	Manufactured Gas Plant
MTA	Metropolitan Transit Authority
MW	Monitoring Well
NAPL	Non-Aqueous Phase Liquid
NAVD88	North American Vertical Datum 1988
NP	Nationwide Permit
NYCDEP	New York City Department of Environmental Protection
NYCDOS	New York City Department of Sanitation
NYCT	New York City Transit
NYS	New York State
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
NYSDOT	New York State Department of Transportation
OU	Operable Unit
O&M	Operation and Maintenance

PCB	Polychlorinated Biphenyls
PDM	Processed Dredge Material
PID	Photo Ionization Detector
ppv	Peak Particle Velocity
PS&S	Paulus, Sokolowski and Sartor Engineering, PC
PSF	Pounds per Square Foot
PVC	Polyvinyl chloride
%	Percent
PZ	Piezometer
QA/QC	Quality Assurance/Quality Control
RA	Risk Assessment
RAR	Remedial Action Report
RCRA	Resource Conservation and Recovery Act
RDR	Remedial Design Report
RFI	Request for Information
RFP	Request for Proposal
RI	Remedial Investigation
ROD	Record of Decision
ROW	Right-of-Way
RW	Recovery Well
SCG	Standards, Criteria, and Guidance
SES	Sevenson Environmental Services, Inc.
SESC	Soil Erosion and Sediment Control
Site	Former Brooklyn Borough Gas Works Site
SMP	Site Management Plan
SOP	Safe Operating Procedure
SPA	Safe Plan of Action
SPLP	Synthetic Precipitation Leaching Procedure
SVOC	Semi-Volatile Organic Compound
TAGM	Technical and Administrative Guidance Memorandum
TAL	Target Analyte List
TSS	Total Suspended Solids
TVOC	Total Volatile Organic Compounds
USACE	United States Army Corps of Engineers
USDA	United States Department of Agriculture
USEPA	United States Environmental Protection Agency
UTS	Universal Treatment Standard
VMS	Vapor Management System
VOC	Volatile Organic Compound

PS&S
CELEBRATING 50 YEARS

Final Engineering Report
Operable Units No. 1, No. 2, and No. 3
Former Brooklyn Borough Gas Works Site
Brooklyn, Queens County, New York
Site Number 2-24-026
PROFESSIONAL ENGINEER'S CERTIFICATION

Education
Energy
Federal
Healthcare
Hospitality
Infrastructure
Real Estate
Science & Technology

I, Joseph J. Lifrieri, am currently a registered professional engineer licensed by the State of New York, I had primary direct responsibility for implementation of the remedial program activities, and I certify that the Remedial Design was implemented and that all construction activities were completed in substantial conformance with the Revised Draft Final Remedial Design Report for OU-1 dated July 2003 and approved by NYSDEC on November 10, 2003 as well as the Final Remedial Design Report for OU-2 and OU-3 dated June 2006 and approved by NYSDEC in August 2006.

I certify that the data submitted to the Department with this Final Engineering Report (FER) demonstrates that the remediation requirements set forth in the Revised Draft Final Remedial Design Report for OU-1 dated July 2003 and the Final Remedial Design Report for OU-2 and OU-3 approved by NYSDEC in August 2006 and in all applicable statutes and regulations have been or will be achieved in accordance with the time frames, if any, established in for the remedy.

I certify that all use restrictions, Institutional Controls, Engineering Controls, and/or any operation and maintenance requirements applicable to the Site are contained in an environmental easement created and recorded pursuant ECL 71-3605 and that all affected local governments, as defined in ECL 71-3603, have been notified that such easement has been recorded.

I certify that a Site Management Plan has been submitted for the continual and proper operation, maintenance, and monitoring of all Engineering Controls employed at the Site, including the proper maintenance of all remaining monitoring wells, and that such plan has been approved by Department.

I certify that all documents generated in support of this FER dated November 2009 and last revised April 2013 have been submitted in accordance with the DER's electronic submission protocols and have been accepted by the Department.

I certify that all data generated in support of this FER dated November 2009 and last revised April 2013 have been submitted in accordance with the Department's electronic data deliverable and have been accepted by the Department.

I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, Joseph J. Lifrieri, of Paulus, Sokolowski and Sartor Engineering, PC (PS&S), Warren, New Jersey, am certifying as Owner's Designated Site

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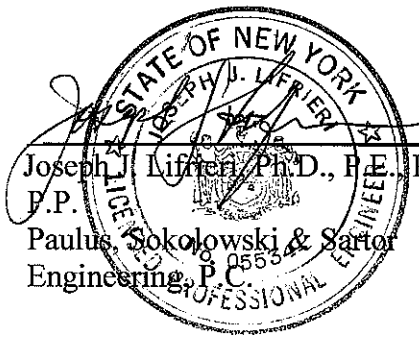
Representative for the Site and I have been authorized and designated by National Grid to sign this certification for the Site.

Since remedial design and construction work that was not under my purview was conducted at the Site, and some remedial tasks may be conducted in the future that will not be under my purview, the following remedial tasks are excluded from my certification:

1. The installation and associated documentation relative to monitoring wells MW-28, MW-29, MW-30, and MW-31 (refer to the November 2009 Site Management Plan Submission for the Former Brooklyn Borough Gas Works Site);
2. The 2009 baseline groundwater sampling methodology, analytical results, and associated documentation (refer to the November 2009 Site Management Plan Submission for the Former Brooklyn Borough Gas Works Site);
3. The Work Plan for Trial Pumping of NAPL Collection Trench;
4. March 2010 through March 2011 Trial NAPL Pumping Program and the associated April 11, 2011 and February 2012 NYSDEC Regulatory Decisions; and
5. Survey documents that support the proposed NYSDEC Environmental Easement.



055341
NYS Professional Engineer #

April 11, 2013
Date

Joseph J. Liffrien, Ph.D., P.E., P.G., P.P.
Paulus, Sokolowski & Sartor Engineering, P.C.

EXECUTIVE SUMMARY

Overview

Paulus, Sokolowski and Sartor Engineering, PC (PS&S), on behalf of National Grid US (National Grid), formerly known as KeySpan Corporation, has prepared this Final Engineering Report (FER), which documents the completion of the site remediation conducted for Operable Units 1, 2, and 3 (OU-1, OU-2, and OU-3) at the Former Brooklyn Borough Gas Works Site located in Brooklyn, New York (Site). The remedial measures selected for OU-1, OU-2, and OU-3 have been authorized for implementation by the New York State Department of Environmental Conservation (NYSDEC) in consultation with the New York State Department of Health (NYSDOH) within two Records of Decision (RODs) issued by NYSDEC and the July 2006 Remedial Design Report (RDR) approved by NYSDEC. Preparation of the RDR was performed in response and in accordance with the requirements set forth in the NYSDEC's Administrative Order on Consent Index Number D2-001-94-12.

Administrative History

In March 2001, NYSDEC issued the Record of Decision (ROD) for Operable Unit 1: Plant Site, Former Brooklyn Borough Gas Works Site, Coney Island, Kings County, New York (Site Number 2-24-026). The ROD required that National Grid remediate the uplands portion of the Site in accordance with the selected remedy described in the ROD. In March 2002, the NYSDEC issued the ROD for Operable Unit 2: Coney Island Creek, Former Brooklyn Borough Gas Works Site, Coney Island, Kings County, New York (Site Number 2-24-026). This ROD required that National Grid remediate contaminants in and along the reach of Coney Island Creek, adjacent to the Site.

Subsequent to the issuance of the two RODs, NYSDEC and National Grid met to discuss the responses and phasing of the required remedial design and construction. Based on those discussions, NYSDEC and National Grid agreed that the construction of one of the Operable Unit 1 (OU-1) remedial actions, the subsurface sheet pile barrier wall, should proceed in advance of the other components (OU-2 and OU-3). The remainder of the March 2001 ROD OU-1 remedial actions were designated OU-3. The construction of the subsurface sheet pile barrier wall commenced in November 2003 and was completed in April 2004. This approach was intended to mitigate the seepage of non-aqueous phase liquid (NAPL) from the Site into Coney Island Creek and eliminate exposure pathways.

The remedial measures implemented under the OU-1 site remediation effort consisted of the installation of a steel sheet pile barrier wall around the perimeter of the site and the installation of a series of piezometers (monitoring wells) to assess the long-term performance of the barrier wall and future remedial activities. The design document for the proposed remedial measures was submitted for approval to the NYSDEC within the Revised Draft Final Remedial Design Report for OU-1 dated July 2003. The NYSDEC has permitted a phased approach to addressing the remaining remedial elements authorized within the March 2001 ROD. As such, the balance of

the remedial measures is to be implemented during the subsequent OU-2 and OU-3 phases of the overall site remediation.

National Grid simultaneously proceeded with the design of OU-2 and OU-3, and the Final Remedial Design Report for OU-2 and OU-3 was approved by NYSDEC in August 2006. Subsequently, National Grid contracted with Sevenson Environmental Services, Inc. (SES) of Niagara Falls, New York for the implementation of the OU-2 and OU-3 remedial actions. SES was also the contractor for the OU-1 remedial actions and PS&S provided construction management, on-site engineering oversight, and Engineer of Record Services for the OU-1 remedial construction. National Grid also contracted with de maximis, inc. to provide construction management services and control services, and PS&S to provide on-site engineering oversight and to be the engineer of record for the OU-2 and OU-3 remedial construction.

Remediation Goals

The goals for the remediation of OU-2 (Coney Island Creek) are described in the March 2002 ROD. As described in the ROD, the overall remedial goal is to restore the portion of Coney Island Creek adjacent to the Site to pre-disposal conditions, to the extent feasible and authorized by law, with the minimum remedial objective being to eliminate or mitigate, through the proper application of scientific and engineering principles, all significant threats to the public health and to the environment presented by the hazardous waste present at the Site.

The specific remediation goals of the March 2002 ROD included:

- Eliminate, to the extent practicable, human exposures to MGP-related contaminants present in the Coney Island Creek surface water and sediment;
- Prevent or eliminate, to the extent practicable, exposure of fish and wildlife to levels of MGP-related contaminants in the Coney Island Creek surface water and sediments; and
- Prevent or eliminate, to the extent practicable, human exposure to MGP-related contaminants through the consumption of contaminated fish.

The goals selected for the remediation of OU-3 (the upland portions of the Site) are described in the March 2001 ROD. As described in the ROD, the overall remedial goal is to restore the Site to pre-disposal conditions, to the extent feasible and authorized by law, with the minimum remedial objective being to eliminate or mitigate, through the proper application of scientific and engineering principles, all significant threats to the public health and to the environment presented by the hazardous waste present at the Site.

The specific remediation goals of the March 2001 ROD included:

- Eliminate, to the extent practicable, off-site migration of contaminants of potential concern within the Site groundwater;
- Eliminate, to the extent practicable, human exposures to contaminants;
- Eliminate, to the extent practicable, the migration of contamination into Coney Island Creek; and,

- Eliminate, to the extent practicable, the exposure of fish and wildlife to levels of contaminants above standards/guidance values.

Implemented Measures

Construction of the OU-1 barrier wall system was performed by SES. SES mobilized to the site during the week of November 17, 2003 and commenced site clearing operations, survey layout and installation of erosion control measures. Construction and installation of the sheet pile barrier wall commenced on December 4, 2003 and proceeded with only minor delays to completion on March 31, 2004 including the installation of the piezometers. A total of approximately 3,718 linear feet of sheet piling was installed around the site perimeter to depths coinciding with Elevation –17 in the upland areas of the site and to Elevation –26 along Coney Island Creek. A total of five pairs of piezometers, one interior and one exterior of the wall, were installed along the upland segments of the sheet pile wall system. An additional five single piezometers were installed along the interior of the creek side segment of the wall. Site restoration and equipment demobilization activities were completed by April 1, 2004.

Pursuant to the identified remediation goals, the NYSDEC RODs identified selected remedies for OU -2 and OU-3 that included implementation of the following remedial measures.

- Excavation of three feet of contaminated sediments (across the entire length and width of the OU-2 reach of the Coney Island Creek) and removal of remaining NAPL to the extent practical;

- Amendment of the excavated sediments to be used as backfill in the upland portions of the Site;

- Backfill placement and installation of cap in the excavated areas within Coney Island Creek with up to three feet of sediment-quality material and the placement of a geotextile fabric between underlying residual contaminated sediment and the clean backfill material;

- The cleaning of existing rip-rap, retaining walls, and/or bulkheads determined to be impacted by manufactured gas plant (MGP)-related contaminants to the extent practical;

- Removal of contaminated materials along the northerly bank of Coney Island Creek down to three feet below ground surface (bgs) to restore the bank and the establishment of a 50 foot wide Ecological Buffer Zone, including appropriate plantings that act as a transition between the Coney Island Creek and the upland portions of the Site;

- Removal of an existing wooden bulkhead and impacted soils encountered along the north bank of the Coney Island Creek in the western area of the Site;

- Excavation of Coal Tar Source Areas down to one foot below the existing groundwater table (an average depth of approximately six feet bgs) in the upland portions of the Site for off-site disposal;

- Installation of a NAPL collection trench along the interior of the installed OU-1 sheet pile barrier wall to capture NAPL and associated groundwater;

- Construction of a Low Permeability Multi-Component Environmental Cap throughout the upland portions of the Site to minimize exposure pathways; and,

- Installation of a passive venting system for vapors accumulating under the Low Permeability Multi-Component Environmental Cap.

Field Changes

Field changes to specific remedial activities were required to progress the remedial actions in an economical and efficient manner. The following nine field changes that required a revised remedial approach were identified in the field during the implementation of the remedy:

1. The use of pug mill mixing for processing of dredged materials was discontinued as a result of continuous clogging of equipment and was replaced by excavator mixing;
2. A revised design for Scour Hole #1 at Shell Road combined sewer overflow (CSO) was created and implemented due to the initial use of dry dredging for Coney Island Creek;
3. Several short sections of permanent sheeting along the southern bank of Coney Island Creek were eliminated due to unstable slope conditions;
4. Permanent sheeting near the MTA Bridge was eliminated due to excessive concrete rubble and an unstable southern creek bank in this area;
5. Geotextile fabric overlap, instead of sewing seams, was used at five locations due to soft soil conditions in Coney Island Creek;
6. A new drainage line was constructed as a replacement for the Western Drainage Swale due to additional fill that was required to be placed as cover adjacent to an existing former gas holder pad;
7. A new and less pervious barrier layer for the environmental multi-component cap was used since the contractor was unable to procure suitable low permeability soil ($1x10^{-5}$ centimeters per second (cm/sec)) for the two-foot barrier layer that met the geotechnical (physical) requirements of the RDR and TAGM 4046;
8. The contractor was unable obtain a powered vent fan for the pump station manholes, and a passive vent was used as a replacement;
9. Due to an obstruction, a deep dense non-aqueous phase liquid (DNAPL) recovery well, to be installed along the NAPL collection trench, was replaced by an intermediate DNAPL Recovery Well. To compensate, an intermediate DNAPL Recovery Well was replaced by a deep DNAPL Recovery Well; and,
10. The groundwater treatment system (GTS) was not constructed and was deleted from the NYSDEC-approved remedy in February 2012 (refer to Appendix R).

National Grid presented these field changes to NYSDEC and obtained NYSDEC's approval. These nine field changes satisfy the remedial objectives and are protective of human health and the environment.

Remedial Construction Timeline

Sevenson Environmental Services Inc. of Niagara Falls, New York (SES) mobilized to the Site during the week of October 2006. Site clearing operations, survey layout and installation of erosion control measures commenced during January 2007.

Coney Island Creek dredging was completed between March 2007 and March 2008, and a total of 97,541 tons of sediments were removed. Backfilling of the dredged areas commenced with clean sediment-quality fill in March 2007 and was completed in March 2008. Sediments removed by dredging were processed in a temporary on–site facility, and a total of 111,592 tons of processed dredge materials was created.

Coal Tar Source Area excavations commenced in April 2007 and were completed in April 2008. The Coal Tar Source Area excavations consistent with the NYSDEC approved RDR extended from the ground surface to one foot below the water table within and beyond the RDR designated areas. The area of Coal Tar Source Area excavation was substantially larger than in the NYSDEC-approved RDR due to encountered field conditions and approved field changes. A total of 88,708 tons were removed and disposed at properly licensed off-site disposal facilities. The processed dredge materials were used in total as backfill for the coal tar source excavations.

A NAPL collection trench, force main and pumping stations were installed in accordance with the NYSDEC-approved RDR during the period of February 2008 through September 2008. A total of 30 DNAPL recovery wells was also installed in conjunction with the NAPL collection trench. Between the NAPL collection trench and Coney Island Creek, a 50 feet wide ecological buffer was constructed, and plant species, ranging from wetland plants at the Coney Island Creek to upland bushes at the top of bank, were installed. Prior to construction of the buffer, a minimum of three feet of existing soil was excavated and disposed of at properly licensed off-site disposal facilities. After excavation the buffer was constructed by placement of a 40 mil HDPE liner at the bottom of the excavation and was backfilled with a minimum of three feet of soil suitable to support the proposed surface plantings.

In accordance with the NYSDEC-approved RDR, a Multi-Component Cap was placed across the entire Site. Cap construction started in April 2008 and was completed in October 2008. A design change of the barrier layer of the cap was approved by NYSDEC. Rather than two feet of low permeability soil at $1x10^{-5}$ cm/sec, a geosynthetic clay liner having a permeability of 1x10-10 cm/sec was installed, resulting in a substantial decrease in potential infiltration through the cap. In conjunction with the installation of the cap, the site was graded, top soiled and seeded. A series of storm drainage facilities including new swales, pipes and outlet structures were also constructed. To further secure the Site, new fencing and gates were installed along Coney Island Creek and new fencing was installed at locations near the Site entrances.

Since the installed Cap has a much lower permeability than the RDR design, National Grid conducted a NAPL/groundwater management study at the Site. After a 12-month period, from March 2010 through March 2011, of NAPL observations recorded by National Grid and de maximis, inc. demonstrated the absence of non-aqueous phase waste in the perimeter NAPL collection system, National Grid submitted a request to NYSDEC to terminate the trial NAPL

pumping program and remove equipment effective March 31, 2011. On April 14, 2011, NYSDEC approved the removal of the Trial NAPL Trench Pumping Equipment (refer to Appendix Q). Further, NYSDEC issued an Explanation of Significant Difference dated February, 2012 (refer to Appendix R) that documented that the construction of the on-site treatment system has been deleted from the remedy. In summary, the on-site GTS requirement was eliminated based on the results of a 12- month trial NAPL pumping program.

Substantial completion of remedial construction was achieved, and Sevenson completely demobilized from the Site in October 2008.

Conclusions

The OU-1 remedial construction activities were implemented in accordance with the Revised Draft Final Remedial Design Report for OU-1 dated July 2003. The remedial construction activities were implemented in accordance with the OU-2 and OU-3 RDR dated July 2006 prepared by PS&S and approved by NYSDEC in August 2006. The goals and objectives for the remediation of OU-2 and OU-3 established in the RDR are as described in the March 2001 and 2002 RODs. The overall goal for the completed remedial construction is to restore the Site and section of Coney Island Creek adjacent to the Site to pre-disposal conditions, to the extent feasible and authorized by law, with the minimum remedial objective being to eliminate or mitigate, through the proper application of scientific and engineering principles, all significant threats to the public health and to the environment presented by the hazardous waste present at the Site.

The OU-1 remedial action (i.e., the steel sheet pile barrier wall and accompanying piezometers) was installed in general accordance with the design drawings and specifications with the exception of the approved change in sheeting materials and wall alignment revisions noted in Section 4.7 of the OU-1 RAR. The short term function of this barrier wall is to mitigate NAPL seepage into Coney Island Creek and to serve as shoring during future creek dredging operations and upland area source excavation. Accordingly, it is the opinion of PS&S that the installed sheet pile barrier wall will satisfy this function in conformance with the initial phase of the remedial measures selected in the March 2001 Record of Decision for OU-1 issued by the NYSDEC. The piezometers will provide a method for monitoring the performance of the barrier wall system and future remedial activities.

The goals and objectives for the OU-2 and OU-3 remedial construction were accomplished, and conclusions for the OU-2 and OU-3 remedial activities are listed below.

- A total of 97,541 tons of contaminated sediments were dredged as per plan and approved changes to a minimum of three feet of across the entire length and width of Creek adjacent to the Site, effectively eliminating, to the extent practicable, human, fish and wildlife exposures to MGP-related contaminants present in the Coney Island Creek surface water and sediment;

- The dredged creek sediments were amended on-site with cement and beneficially reused as 111,592 tons of backfill beneath the site-wide Multi-Component Cap system as per the plan and approved changes;

- The dredged section of Coney Island Creek was capped as per plan and approved changes with a minimum of three feet of sediment-quality clean materials, effectively eliminating, to the extent practicable, human, fish and wildlife exposure to MGP-related contaminants in Coney Island Creek sediments and surface water;

- A 50-foot wide ecological buffer zone was constructed consistent with the RDR along the Coney Island Creek bank adjacent to the Site by the removal of impacted soil and an existing wooden bulkhead, and the placement of 27,372 tons of ecological buffer backfill, effectively eliminating to the extent practicable, human, fish and wildlife exposures to MGP-related contaminants present in the Coney Island Creek bank soils, surface water and sediment;

- Off-site migration of contaminants of potential concern (as groundwater and as NAPL) from the Site and into Coney Island Creek have been eliminated, to the extent practicable, through the construction of a NAPL Collection Trench along the interior of the ecological buffer and the installation of DNAPL recovery wells as per plan and approved changes for OU-3;

- Human exposures to contaminants have been eliminated, to the extent practicable, through the excavation and off-site disposal of 88,708 tons of Coal Tar Source Area material, and the construction of a multi-component cap with passive vents installed as per plan and approved changes;

- In accordance with the RDR and approved changes, coal tar source areas were effectively eliminated site-wide to approximately one foot below the groundwater table by the excavation of 88,708 tons of source materials and off site disposal of these materials at the ESMI-NJ, Clean Earth of New Castle, Clean Earth of Southeast PA, Clean Earth of Philadelphia and Casie of Vineland NJ licensed disposal facilities;

- Air emissions and odors were controlled as per plan during the remedial activities through use of a temporary enclosure equipped with a vapor management system to store and process dredged sediments and the use of foam and plastic sheeting for odor control during trenching and excavation activities;

- A community air monitoring plan (CAMP) was implemented during construction, and based upon a review of the monitoring data, nearby receptors were not affected by construction operations. Also, based on the results of vibration and settlement monitoring activities that were conducted during construction, no adverse vibrations or excessive settlements occurred as result of the remediation activities;

- Potential human exposures to remaining MGP-related contaminants through exposure to site soils, surface water and sediments and the consumption of contaminated fish are

eliminated to the extent practicable through the implementation of the Site Management Plan and adoption of an Environmental Easement to restrict future Site activities, maintaining the site fenced and secure to restrict access, and by undertaking a long term monitoring program of on-site engineering controls, Site groundwater, and the Coney Island Creek sediment and surface water adjacent to the Site to monitor the completed remedial construction.

1.0 INTRODUCTION

This Final Engineering Report (FER) was prepared to document and certify the remedial actions completed at the Former Brooklyn Borough Gas Works Site (the "Site") located in the Borough of Brooklyn, Kings County, New York. The FER is required as an element of the remedial program under the New York State (NYS) Inactive Hazardous Waste Disposal Site Remedial Program administered by the New York State Department of Environmental Conservation (NYSDEC) and was prepared in accordance with the requirements in NYSDEC DER-10 Technical Guidance for Site Investigation and Remediation, dated December 2002, and the guidelines provided by NYSDEC. This FER was prepared on behalf of National Grid by Paulus, Sokolowski and Sartor Engineering, PC (PS&S) with supporting documentation from the Remediation Contractor, Sevenson Environmental Services, Inc. (SES).

To remediate the Site, National Grid (formerly KeySpan Corporation) entered into an Order on Consent, Index Number D2-001-94-12, Site Number 2-24-026 with the NYSDEC, which was executed on May 12, 1995. This Order on Consent required National Grid to investigate and remediate contaminated media at the Site. A map showing the Site location and boundaries of this 16-acre "site is provided in Figure 1.

The selected remedial actions were identified in Records of Decision (ROD) issued by the NYSDEC March 2001 and March 2002. Subsequent to the issuance of the RODs, the selected remedy was divided into three Operable Units (OU), OU-1, OU-2 and OU-3. This FER presents the remedial actions and engineering controls (ECs) completed as part of OU-1, OU-2, and OU-3 at the site. The completed OU-1 remedial actions were previously documented in the July 2004 Remedial Action Report (RAR) submission to NYSDEC. For convenience, a copy of the July 2004 OU-1 RAR is enclosed as Appendix P. Remedial action work at the Site began in November 2003 with OU-1 and ended in October 2008 with substantial completion of OU-2 and OU-3 in accordance with approved Remedial Design Report (RDR) and the Contractor's Plan of Operations (CPO).

1.1 Remediation Goals of the NYSDEC Records of Decision

In March 2001, NYSDEC issued the ROD for Operable Unit 1: Plant Site, Former Brooklyn Borough Gas Works Site, Coney Island, Kings County, New York (Site Number 2-24-026). The ROD required that National Grid remediate the uplands portion of the Site in accordance with the selected remedy described in the ROD and includes the following remediation goals:

- Eliminate, to the extent practicable, off-site migration of contaminants of potential concern within the Site groundwater;
- Eliminate, to the extent practicable, human exposures to contaminants;
- Eliminate, to the extent practicable, the migration of contamination into Coney Island Creek; and,
- Eliminate, to the extent practicable, the exposure of fish and wildlife to levels of contaminants above standards/guidance values.

In March 2002, the NYSDEC issued the ROD for Operable Unit 2: Coney Island Creek, Former Brooklyn Borough Gas Works Site, Coney Island, Kings County, New York (Site Number 2-24-026). This ROD required that National Grid remediate contaminants in and along the reach of Coney Island Creek adjacent to the Site and includes the following remediation goals:

- Eliminate, to the extent practicable, human exposures to MGP-related contaminants present in the Coney Island Creek surface water and sediment;
- Prevent or eliminate, to the extent practicable, exposure of fish and wildlife to levels of MGP-related contaminants in the Coney Island Creek surface water and sediments; and
- Prevent or eliminate, to the extent practicable, human exposure of MGP-related contaminants through the consumption of contaminated fish.

Subsequent to the issuance of the two RODs, NYSDEC and National Grid met to discuss the responses and phasing of the required remedial design and construction. Based on those discussions, NYSDEC and National Grid agreed that the construction of OU-1 remedial actions should proceed in advance of the other components. This phase of the remediation included the installation of a sealed sheet pile barrier wall around the perimeter of the Site and permanent piezometers installed along the perimeter of the sheet pile wall. The construction of this remedial element commenced in November 2003 and was completed in April 2004. This approach was intended to mitigate the seepage of non-aqueous phase liquid (NAPL) from the Site into Coney Island Creek and eliminate exposure pathways. The OU-1 remedial activities are summarized in a previous report entitled "Remedial Action Report for Operable Unit No. 1, Brooklyn Borough Former Gas Works Site, Brooklyn , New York, Site Number 2-24-026" dated July 2004. The location of the sheet pile barrier wall and the piezometers installed during the OU-1 remedial activities are depicted on the record of construction drawings (refer to Appendix A). The remaining components and elements of the March 2001 ROD OU-1 were designated OU-3.

Simultaneously with the design and construction of OU-1, National Grid pursued the design of OU-2 and OU-3. In June 2004, National Grid presented a preliminary design for the combined remedial construction of OU-2 and OU-3 to NYSDEC. This design included both a verbal presentation and the submittal of 40% Design Drawings. Subsequently, the NYSDEC provided comments on the National Grid presentation in September and October 2004. In July 2005, 80% Design Drawings were submitted to the NYSDEC who provided comments on this submission to National Grid on August 12, 2005. A draft Final Remedial Design Report was submitted to the NYSDEC in September 2005, and NYSDEC comments were received by National Grid on November 7, 2005. These NYSDEC comments were either incorporated into the Remedial Design Report or addressed in a January 18, 2006 response letter submitted to the NYSDEC by National Grid. The Final Remedial Design Report (RDR) for OU-2 and OU-3 was approved by NYSDEC on August 23, 2006.

The selected remedy from the March 2001 NYSDEC ROD included the construction of a Groundwater Treatment System (GTS). The GTS was included in the RDR for OU-2 and OU-3 to allow separation and disposal of collected NAPL and treatment of the associated groundwater prior to discharging to the Coney Island Creek or to the City of New York Department of Environmental Protection (NYCDEP) sewer system located on Shell Road. From 2009 through 2011, National Grid, de maximis, inc., and NYSDEC evaluated the GTS design and operation requirements and National Grid/NYSDEC concluded that a GTS was not required (refer to Appendices Q and R). Therefore, the GTS was not constructed and was deleted from the remedy in February 2012.

1.2 Selected Remediation Elements of OU-1

As previously indicated, the NYSDEC has permitted a phased approach in the implementation of the remedial measures selected in the ROD. The design engineer for OU-1, TetraTech FW, Inc., prepared a series of submittals to NYSDEC for the design of OU-1. These submittals included draft and final remedial design (RD) work plans and draft, revised draft and final RD documents and bid specifications. NYSDEC granted final approval of the design submittals in October 2003.

1.3 Selected Remediation Elements of OU-2 and OU-3

In accordance with the remaining elements of the March 2001and the March 2002 RODs, the proposed combined remedial design for OU-2 and OU-3 included the following activities:

- Excavation of three feet of contaminated sediments (across the entire length and width of the OU-2 reach of the Coney Island Creek) and removal of remaining NAPL to the extent practical;

- Amendment of the excavated sediments to be used as backfill in the upland portions of the Site;

- Backfill placement and installation of cap in the excavated areas within Coney Island Creek with up to three feet of sediment-quality material and the placement of a geotextile fabric between underlying residual contaminated sediment and the clean backfill material;

- The cleaning of existing rip-rap, retaining walls, and/or bulkheads determined to be impacted by manufactured gas plant (MGP)-related contaminants to the extent practical;

- Removal of contaminated materials along the northerly bank of Coney Island Creek down to three feet bgs, to restore the bank, and the establishment a 50 foot wide Ecological Buffer Zone, including appropriate plantings that act as a transition between the Coney Island Creek and the upland portions of the Site;

- Removal of an existing wooden bulkhead and impacted soils encountered along the north bank of the Coney Island Creek in the western area of the Site;

- Excavation of Coal Tar Source Areas down to one foot below the existing groundwater table (an average depth of approximately six feet bgs) in the upland portions of the Site for off-site disposal;

- Installation of a NAPL collection trench along the interior of the installed OU-1 sheet pile barrier wall to capture NAPL and associated groundwater;

- Design, construction, and operation of a GTS (note that the GTS was removed from the remedy in 2012);

- Construction of a Low Permeability Multi-Component Environmental Cap throughout the upland portions of the Site to minimize exposure pathways;

- Installation of a passive venting system for vapors accumulating under the Low Permeability Multi-Component Environmental Cap.

This FER documents that the successful completion of the NYSDEC approved OU-2 and OU-3 remedial construction activities at the Site were performed in accordance with the NYSDEC-approved RDR and approved field changes, and the remediation goals and objectives identified in the NYSDEC RODs have been achieved.

1.4 Report Organization

This FER is organized into eleven sections. Section 1.0, Introduction, provides a regulatory overview of the remedial activities and states the objectives of their implementation. Section 2.0, Site Information, describes the completed OU-1 remedial actions of the Former Brooklyn Borough Gas Works MGP Site and the surrounding area. Section 3.0, Overview of the Approved OU-2/OU-3 Remedial Design, provides a review of the design elements of OU-2 and OU-3. Section 4.0, Implementation of the Remedial Action, presents a comprehensive summary of the remedial actions that were conducted. Section 5.0, Site Restoration, describes the activities that were completed to restore the Site. Section 6.0, Record of Construction Drawings and Surveys, provide a list of the as-built plans of the remediated Site. Section 7.0, Waste Material Handling and Disposal, describes the means that were employed to manage waste materials generated during remedial construction. Section 8.0, Construction Costs, provides the cost of remedial construction. Section 9.0, Site Management Plan, provides a summary of the Site management Plan that was prepared to regulate any post-remediation activities at the Site. Section 10.0, Operation, Maintenance and Monitoring Plan, provides a summary of post-remediation operations, maintenance and monitoring activities. Finally, Section 11.0, Conclusions, presents the findings and conclusions that have been derived from the performance of the remedial activities.

2.0 SITE INFORMATION

2.1 Site Description and Surrounding Areas

The Site is located between Neptune Avenue and the Belt Parkway, within the Coney Island section of the Borough of Brooklyn, New York, as depicted on Figure 1. The Site is bordered by the right-of-way (ROW) of the Shore Parkway (also known as the Belt Parkway), a New York City Transit (NYCT) rail yard to the north, three operating commuter rail lines of the NYCT to the west, and the beginning reach of the Coney Island Creek to the south and east. This property, currently owned by National Grid, is approximately 16 acres in size. NYCT is an operating unit of the Metropolitan Transportation Authority (MTA), a state agency. The westerly portion of the Site, containing most of the former MGP facilities, is relatively flat at elevations ranging between four feet to six feet with respect to the North American Vertical Datum of 1988 (NAVD88). The easterly portion of the Site is at higher elevations ranging between 12 feet and 15 feet (NAVD88), reflecting previous filling activities at the Site with miscellaneous materials.

The area immediately surrounding the Site is relatively flat and contains commercial and industrial uses. Residential zones near the Site are located north of Belt Parkway and south of Neptune Avenue.

A Site Location Map is provided as Figure 1.

2.2 Site Geology and Hydrogeology

Site investigations indicate that the Site geology consists of unconsolidated Pleistocene deposits ranging from ten feet to 172 feet bgs and consist mainly of fine to coarse grained sands with a clay/silt layer from 59 feet to 60 feet bgs and clay from 170 feet to 172 feet bgs. The sand, which at some depths contains a minor amount of gravel, varied with depth in grain size and color. Above the Pleistocene deposits is a thin (five to ten feet thick) layer of near shore and estuary type deposits. A surficial layer of fill soils is present throughout the Site varying from several feet to more than ten feet in thickness. The glacial aquifer encountered at the Site is composed almost entirely of the sands of the till and outwash deposits and extends from just below the surface to 170 feet bgs.

The implementation of the remedial activities has resulted in modifications to the above-described surficial geology. Excavation and subsequent backfill activities in the Coal Tar Excavation Areas, the Ecological Buffer Zone and the installation of the Low Permeability Multi-Component Environmental Cap, as shown on Record of Construction drawings (refer to Appendix A), have altered the surficial geology. A description of these activities and the backfill materials utilized is presented in subsequent sections of this FER.

Prior to the installation of the steel sheet pile barrier wall during the OU-1 remedial construction, shallow Site groundwater flowed unopposed to Coney Island Creek and under a hydraulic gradient and rate controlled by surface recharge and the tide in Coney Island Creek. The natural pre-remediation water table sloped from north to south across the Site with the elevation of groundwater increasing as it reached the northerly property line. The sheet pile barrier and low permeability cap have generally isolated the Site groundwater from the surrounding hydrogeologic environment including Coney Island Creek and its tidal influence.

2.3 Site History

The Brooklyn Borough Gas Company (BBGC) began construction of the first generator at the Site in 1908. Over the next four years, additional parcels of land were added, the facility was enlarged, and the Site's gas production capability increased.

In the 1930s, two (2) large-capacity gas holders, a station metering house, two (2) underground gas oil tanks, tar conditioners, tar seal pumps, and a tar separator were located in the western portion of the Site. The main gas manufacturing operations were located in the central portion of the Site and contained:

- Four (4) generators;
- A coal storage yard and coal off-loading equipment;
- Pump rooms;
- Booster and exhauster rooms;
- Two (2) condensers;
- Eight (8) purifier boxes;
- Two (2) relief holders;
- An electric tar precipitator;
- A tar dehydrator system;
- Two (2) tar separators;
- Tar storage tanks;
- Water tanks;
- Oil pumps; and,
- Drip oil tanks.

Various storage and work buildings were also located in the central area of the property, including a blacksmith shop in the south-central area. To the east were the gas oil pump house and five gas oil tanks.

The physical facility and property changed little from the 1930s through 1960. BBGC transformed its gas delivery operations to a natural gas-based system, and production of manufactured gas at the Coney Island facility ceased in November 1951. According to BBGC documents, gas deliveries to customers in 1952 were natural gas. Between 1952 and 1959, the Site's MGP capability may have been maintained and operated for the purpose of peak shaving. BBGC was acquired by the Brooklyn Union Gas Company

(BUGCO) (which ultimately became National Grid) in 1959. National Grid did not manufacture gas at this facility.

From 1960 to 1966, the facility was almost completely decommissioned and demolished. In 1974, a few buildings associated with a gate station, which included an axial compressor, a small gasholder, and the largest gasholder, remained operational providing natural gas service. National Grid believes the gate station and gasholders were taken off line at the end of the 1970s and were subsequently decommissioned and demolished in the early 1980s.

In the early 1970s, the easternmost portion of the property was covered with fill and two (2) baseball fields were constructed on top of the fill in the late 1980s. These fields were decommissioned in 1996.

In July 1993, a seep releasing light non-aqueous phase liquid (LNAPL) from the Site into Coney Island Creek was reported by National Grid to the appropriate regulatory agencies. Following an investigation, National Grid conducted an interim remedial measure (IRM) to mitigate the release of LNAPL into Coney Island Creek. The IRM was constructed from July to November 1994 and included:

- Installation of inland recovery wells;
- Installation of hard boom and end connections in Coney Island Creek; and,
- Installation of a LNAPL skimmer and oil collection system.

The system was tested and demonstrated to be operational in late 1994. It was also observed and verbally accepted by the United States Coast Guard in May 1995.

In May 1995, National Grid and NYSDEC negotiated an Order on Consent (Index No. D2-001-94-12) to investigate and clean up the Site. The Order on Consent required National Grid to perform a Remedial Investigation (RI), a baseline Risk Assessment (RA) and a Focused Feasibility Study (FFS). The RI was completed in 1997, the baseline RA was completed in 1998, and the FFS was completed in 2000.

In October 1997, National Grid conducted a second IRM at the Site. The purpose of this IRM was to mitigate high concentrations of lead in surface soils that were not simultaneously contaminated with high levels of coal tar. This IRM involved the removal and proper disposal of the top one-foot of soil from approximately four acres on the western portion of the Site. As a result of this IRM, approximately 250 tons of non-Resource Conservation and Recovery Act (RCRA) designated hazardous soil and approximately 1,500 tons of RCRA designated hazardous soil were removed from the Site and disposed of at approved facilities.

In March 2001, the NYSDEC issued the ROD for the remediation of the uplands portion of the Site. In March 2002, the NYSDEC issued the ROD for the remediation of Coney Island Creek adjacent to the Site.

2.4 OU-1 Remedial Actions

The OU-1 remedial action (i.e., the steel sheet pile barrier wall and accompanying piezometers) was installed in general accordance with the design drawings and specifications with the exception of the approved change in sheeting materials and wall alignment revisions noted in Section 4.7 of the OU-1 RAR. The short term function of this barrier wall is to mitigate NAPL seepage into Coney Island Creek and to serve as shoring during future creek dredging operations and upland area source excavation. Accordingly, it is the opinion of PS&S that the installed sheet pile barrier wall will satisfy this function in conformance with the initial phase of the remedial measures selected in the March 2001 Record of Decision for OU-1 issued by the NYSDEC. The piezometers will provide a method for monitoring the performance of the barrier wall system and future remedial activities.

3.0 OVERVIEW OF THE APPROVED OU-2/OU-3 REMEDIAL DESIGN

3.1 Remediation Standards

For OU-2, the March 2002 ROD identified the sediment SCGs would be based on the NYSDEC Technical Guidance for Screening Contaminated Sediments, while surface water SCGs are based on the New York State Codes, Rules and Regulations (NYCRRR), Title 6, Chapter X, Parts 700-705.

For OU-3, the March 2001 ROD established specific environmental Standards, Criteria, and Guidance values (SCGs) to guide the remediation. For groundwater, the SCGs are based on NYSDEC Ambient Water Quality Standards and Guidance Values and Part 5 of the New York State Sanitary Code. For soils, NYSDEC Technical and Administrative Guidance Memorandum (TAGM) 4046 was identified as the SCG.

3.2 OU-2 and OU-3 Design Elements

In accordance with the remaining elements of the March 2001and the March 2002 RODs, the final RDR presented a combined remedial design for OU-2 and OU-3 that included the following activities:

- Excavation of the top three feet (minimum) of contaminated sediments across the entire length and width of the OU-2 reach of the Coney Island Creek and removal of remaining NAPL to the extent practical;
- Amendment of the excavated sediments to be used as backfill in the upland portions of the Site;
- Backfilling and capping of the excavated areas within Coney Island Creek with up to three feet of sediment-quality material and the placement of a geotextile fabric between any underlying residual contaminated sediment and the clean backfill material;
- The cleaning of existing rip-rap, retaining walls, and/or bulkheads determined to be impacted by MGP-related contaminants to the extent practical;
- Removal of contaminated materials along the northerly bank of Coney Island Creek down to three feet below ground surface (bgs) to restore the bank and to establish a 50-foot wide Ecological Buffer Zone, including appropriate plantings, that will act as a transition between the Creek and the upland portions of the Site;
- Removal of existing wooden bulkhead and impacted soils encountered along the north bank of the Creek in the western area of the Site;
- Excavation of Coal Tar Source Areas down to the existing groundwater table (an average depth of approximately 6 feet bgs) in the upland portions of the Site for offsite disposal;
- Installation of a NAPL collection trench along the interior of the installed OU-1 sheet pile barrier wall to capture NAPL and associated groundwater;

- Construction of a Groundwater Treatment System (GTS) that will treat collected NAPL and associated groundwater prior to discharging to the Creek (Note: the GTS was deleted form the remedy in 2009);
- Construction of a low permeability environmental soil cap that will have a minimum thickness of three feet throughout the upland portions of the Site to minimize exposure pathways to the public; and
- Passive venting of vapors accumulating under the soil cap.

The final RDR for the OU-2 and OU-3 remedial activities was approved by NYSDEC in August 2006 and provided a detailed discussion of the activities required to construct and implement the selected remedy.

4.0 IMPLEMENTATION OF THE REMEDIAL ACTION

As previously discussed in Section 1.0, the remedy for this Site was performed in three operable units, OU-1 through OU-3. A detailed summary of the OU-2 and OU-3 remedies performed at the Site is presented in the following sections. The OU-2 and OU-3 remedial activities completed at the Site were conducted in accordance with the NYSDEC-approved RDR. Deviations from the ROD and RD are noted below in Section 4.6. Since contaminated soil and groundwater remains beneath the Site, EC/ICs are required to protect human health and the environment. This section presents the completed OU-2 and OU-3 remedial actions at the Site which include the installation of ECs.

4.1 Contracting

National Grid contracted with SES for the implementation of the specified OU-2 and OU-3 remedial actions. SES was selected through an open bid process where qualified remediation contractors prepared responses to a Request for Proposal (RFP) for the OU-2 and OU-3 remedial actions. The RFP bid package included the NYSDEC RODs, the RDR, the remedial design drawings, and technical specifications. National Grid also contracted with de maximis, inc. to provide construction management services, oversight and control services of the OU-2 and OU-3 remedial actions.

SES subcontracted with several specialty contractors and consultants in order to perform the OU-2 and OU-3 remedial actions. Table 4-1 presents a summary of these specialty contractors.

TABLE 4-1: SES SPECIALTY CONTRACTORS
National Grid
Former Brooklyn Borough Gas Works
OU-2 and OU-3 Remedial Action Report

Remedial Action	Specialty Contractor
ECO-Buffer Planting and Site Seeding	Enviroscapes, Inc. Monmouth Junction, New Jersey
Fencing	Shamrock Fencing Deer Park, New York
Pump Supplier and Installer	Fleet Pump and Service Group Harrison, New York
Pump Control Panel and Engineering/Testing	Pumping Services, Inc. Middlesex, New Jersey
Electric	Giannos Brothers New York, New York
Well Drillers and Installers	B&B Drilling Co., Inc. Netcong, New Jersey
Surveyor	Kennon Surveying Services Warren, New Jersey
Eco-buffer and drainage swale 40 mil geomembrane liner installers	Chenango Contracting Company and CETCO Contracting Services

In addition, SES subcontracted with several vendors and suppliers for the delivery of construction materials (e.g., GCL, NAPL collection trench piping, crushed stone backfill materials).

4.2 Permitting

As per 6 NYCRR 375-1.7c, no permit, consent, approval, or other authorization under any state or local zoning, land use or other regulatory program was required for OU-2 and OU-3 remedial action activities. A permit was required for the dredging and restoration activities within Coney Island Creek, because it is a navigable water body regulated by the Federal Clean Water Act. The remedial activities within Coney Island Creek required the issuance of a Nationwide Permit (NP) No. 38 from the United States Army Corps of Engineers (USACE). A permit application along with a NYSDEC Water Quality Certification and New York State Department of State Coastal Zone Management Consistency Determination were submitted to the USACE as part of the USACE NP No. 38 authorization and a permit was issued.

4.3 Pre-Mobilization Activities

The remedial design was supported by Design Drawings and Technical Specifications. The Design Drawings and the Technical Specifications provide for a performance-based remedial construction and SES was responsible for providing the means and methods to achieve the performance criteria of these documents. SES prepared a CPO that detailed the proposed means and methods for achieving the remediation goals in accordance with the Design Drawings and Technical Specifications.

A generic Health and Safety Plan (generic HASP) was provided to and accepted by SES and updated as needed to include Safe Plan of Action (SPA) as task specific guidance was needed. A community air monitoring program (CAMP) was implemented as part of the approved site-specific HASP. National Grid retained GEI Consultants to implement the CAMP for the OU-2 and OU-3 remediation. This CAMP consisted of on-site and off-site real-time monitoring stations, modeled after the requirements provided in NYSDEC Manual DER-10. A study of the background noise levels adjacent to the Site was also completed by PS&S.

SES prepared a site-specific Construction Quality Control Project Plan (CQCPP) based on the requirements contained in the generic CQCPP, and the Technical Specifications and this plan were included in the CPO.

These documents and drawings were reviewed and approved by NYSDEC and served as the basis for SES operations during the remedial activities for the Site.

4.4 Mobilization and Site Preparation Activities

SES commenced Site mobilization activities in October 2006 and completed these activities in March 2007. Site mobilization and preparation activities consisted of the preparation and submission of Contractor submittals (refer to Section 4.5) for construction materials, supplies and procedures. Additional mobilization and site preparation tasks included the site clearing and grubbing activities, SESC installation at the perimeter of the Site, stabilized construction installations, and installation of the construction trailer complex. Within their CPO approved by NYSDEC in February 2007, SES identified staging areas for materials, construction equipment and excavated material, decontamination areas, and support areas in cooperation with PS&S and approved by National Grid. The areas were selected based on ease of access, location of site constraints, proximity to the major work areas and Site traffic patterns.

Also within the CPO, SES identified the need to disrupt the existing electric and water service to the Site in order to complete the remedial construction. The main electric service was disconnected at the north bank of Coney Island Creek where it entered the Site via a subsurface crossing of Coney Island Creek. Electric power during construction was supplied through a combination of emergency generators and a temporary connection to a building owned by the MTA. The onsite water service was located at the building used by National Grid security personnel. As this building was demolished and completely removed during remediation, the water service at this location was disconnected. SES established a temporary water connection at a water meter chamber outside of the west entrance gate to the Site and installed a temporary connection for use by a water truck. SES also set up portable sanitation facilities for use by personnel of NYSDEC, National Grid, PS&S, SES and any visitors.

SES mobilized various equipment and materials for the remedial activities during the initial stage and throughout the project as needed for scheduled tasks to reduce the amount of equipment lying idle. Equipment was inspected by the SES QC Officer, PS&S and the NYSDEC on-site representative prior to utilization for the remedial activities and it was visually checked periodically for performance and corrective repair.

4.5 Submittals

SES prepared contractor submittals to National Grid, the Construction Manager and PS&S. These contractor submittals identified the remediation contractor's proposed means and methods to implement the OU-2 and OU-3 remedial actions as well as specify construction materials (e.g., GCL, crushed stone backfill material and NAPL collection trench piping). National Grid's Construction Manager (de maximis, inc.) and Engineer of Record (PS&S) reviewed the contractor submittals, provided comments or question and then approved or recorded the submittals as "For Information Only".

Once approved by PS&S, SES imported backfill submittals were issued to the NYSDEC Project Manager by the Construction Manager (de maximis, inc.). Typically, PS&S

understands that the NYSDEC Project Manager provided the Construction Manager with verbal approvals for the imported backfill materials supplies.

4.6 Field Changes

During the course of the OU-2 and OU-3 remedial construction, there were several changes to the remedial design necessitated by field conditions. These field changes are summarized below.

- Elimination of Pug Mill Mixing: Pug mill mixing of dredged sediments was attempted for a portion of the dredged sediment removed from Coney Island Creek. However, clogging of the Pug Mill developed and it was replaced by mixing in cells located inside the Amendment Building. This change in the Contractor's Plan of Operations was submitted to and approved by NYSDEC in July 2007.

- Scour Hole at Shell Road CSO: After exposing the culvert area and beginning dry dredging of Coney Island Creek, it became apparent that the previously designed larger size and orientation of the Scour Hole #1 would not fit with the as-dredged bottom contours. It was also observed that the dry dredging had impaired the stability of the southern bank of the Coney Island Creek. As a result, the Scour Hole was redesigned Sump 1 with a new scour pad dimension and orientation, as well as a gabion retaining wall along the southern bank of the Coney Island Creek. This redesign was submitted to and approved by NYSDEC in May 2007. SES-3a in Appendix A indicates the record of construction condition of Scour Hole #1.

- Elimination of Southern Coney Island Creek Bank Permanent Sheeting Sections: As shown on the SES record of construction drawings in Appendix A, two locations along the southern bank of Coney Island Creek, it was determined that the attempt to install the planned bank stabilizing sheeting may destabilize the slope and/or undermine adjacent offsite structures. These locations were 1.) the stretch of bank in front of Donald's Garage for a distance of approximately 20 feet into Coney Island Creek from their bulkhead structure and 2.) The section of sheeting in front of a second structure located at Creek Station 6+80 to 8+00 (refer to SES-2a in Appendix A for the location of the Creek Stations) for a distance of 20 feet from the Donald's Garage bulkhead into Coney Island Creek. After presenting this concern to NYSDEC at a weekly construction meeting, a plan was developed and submitted to NYSDEC for approval. After receipt of NYSDEC approval in May 2007, it was implemented for these two areas. This plan included a characterization of the sediment using visual inspection of hand borings and sediment extractions to a depth of 3 feet in a grid pattern in the areas of concern. The sediment was inspected for odor and visual MGP impact. Upon finding that the areas of concern did not contain the presence of MGP impacts, NYSDEC agreed in June 2007 to one foot of sediment removal for a distance of 20 feet from the bulkhead, an excavation slope from the one-foot depth down the

required dredge depth and no installation of sheeting. The location of these sheeting eliminations is indicated on Sheets SES-2a and SES-9 of the record of construction drawings in Appendix A. Informal concurrence from the NYSDEC on-site representative was received.

- Elimination of a Southern Coney Island Creek Bank Sheeting near the MTA Bridge: A twenty-foot section of sheeting was eliminated from the program as it was found that the full three feet of excavation could be performed without the sheets in December 2007. The location for this sheeting elimination is shown on SES-8 of the as-built drawings in Appendix A. The reason for this change was excessive concrete rubble and an unstable southern creek bank in this area made the planned sheeting installation very difficult without excessive pre-trenching that may cause more damage to the adjacent property (Consolidated Edison) than benefit. SES was able to perform the dredging without the sheeting. This change also eliminated concern with large equipment and vibration concerns near the MTA Bridge. Informal concurrence from the NYSDEC on-site representative was received in December 2007.

- Geotextile Fabric Overlap Instead of Sewing Seams (Five Areas): At Sump 1 near the Shell Road Culvert, there were excessive difficulties with sewing the geotextile fabric, and a request from the remediation contractor was granted to overlap rather than sew. Concurrence from NYSDEC was received in May 2007. In front of Donald's Garage, a fabric overlap was used due to soft organic soils which could not support the weight of workers and there was not sufficient draft in the Coney Island Creek, at this location, to sew from boats/barges. A bubble of soft organic mud developed at Coney Island Creek dredge station 19+00 during backfilling and after the fabric had been placed. The in-place fabric had to be cut open to remove the bubble under the fabric. A fabric overlap was used to fix this area. At Creek Station 4+00 to 5+00, a strip of creek five feet wide along the northern sheeting was exposed without fabric during backfill placement and the weight/tension of backfill had apparently pulled the fabric away from the northern bank. An overlap was used in this location because the leading edge of fabric was submerged in water even at low tide. Two additional bubble repairs were also required near Creek Stations 1+50 and 2+50, and the removal of the bubbles necessitated the overlap of geotextile fabric similar to the overlap at Station 19+00. Where overlaps were used, the minimum overlap was not less than ten feet on all sides. Informal concurrence from the NYSDEC on-site representative was received in June 2007 (Donald's Garage); Station 19+00, September 2008; Station 4+00 to 5+00, July 2007 and Creek Stations 1+50 and 2+50, June 2007.

- New Drainage at Western Drainage Swale: During construction in May 2008, additional fill was required to be placed as cover in the area adjacent to an existing former large gas holder pad in the westerly portion of the Site (for location refer to SES-4 in Appendix A). This action narrowed the required stormwater swale section adjacent to the westerly boundary of the Site. To compensate for the smaller section, the swale section was replaced by the

installation of a new pipe culvert, rip-rap at the pipe outlet and re-shaping of the final grade adjacent to the new culvert. Informal concurrence from the NYSDEC on-site representative was received in May 2008.

- New Barrier Layer for the Environmental Multi-Component Cap: SES was unable to procure suitable low permeability soil ($1x10^{-5}$ centimeters per second (cm/sec)) for the two-foot barrier layer that met the geotechnical (physical) requirements of the RDR and TAGM 4046. The barrier layer is part of the cap system and the limits of this cap system are shown SES-7 in Appendix A. A geosynthetic clay liner (GCL), Bentofix EC 1000® (permeability of 1x10-10 cm/sec), was used as the barrier layer in place of the low permeability soil. A minimum of 20 inches of cover soil (imported backfill materials, i.e., tunnel cuttings) was added to maintain cap thickness and provide protection to the GCL. This design change was submitted to and approved by NYSDEC in May 2008.

- Pump Station Powered Vent: The remediation contractor was unable obtain a powered vent fan for the two pump station manholes since the specified fan was discontinued by the manufacturer. A passive vent was used as a replacement with NYSDEC concurrence in August 2008.

- Swap of One Intermediate and Deep DNAPL Recovery Well: Due to an obstruction, a deep DNAPL recovery well, to be installed at Station 8+25 along the NAPL collection was replaced by an intermediate DNAPL Recovery Well. To compensate, an intermediate DNAPL Recovery Well at Station 7+75 was replaced by a deep DNAPL Recovery Well (refer to SES-6 in Appendix A for locations). Informal concurrence from the NYSDEC on-site representative was received in May 2008.

- Additional Source Area Excavation: Based upon a field review of existing groundwater conditions, an additional one foot of excavation was agreed upon with NYSDEC as a field modification when the encountered groundwater was shallower than the estimated six feet below ground surface (bgs) presented in the March 2001 ROD. A submittal was provided to NYSDEC in April 2007 and was approved.

- Elimination of GTS: Based on the results of the NGRID, de maximis, inc., and NYSDEC DNAPL study from 2009 through 2011, the GTS was deleted from the remedy in 2012 (refer to Appendices Q and R).

4.7 Construction Milestone and Material Quantities

Remedial activities for OU-2 and OU-3 completed at the Site were conducted in accordance with the NYSDEC-approved RDR for the former Brooklyn Borough Gas Works dated July 2006 (NYSDEC approved the RDR in August 2006), the CPO and approved field changes. Remedial activities commenced in October 2006 and were substantially completed in October 2008. The record of construction drawings for the

completed OU-2 and OU-3 remedial activities are presented in Appendix A. Table 4-2 presents a summary of the major remediation and construction milestones.

TABLE 4-2: CONSTRUCTION MILESTONE SUMMARY
NATIONAL GRID
FORMER BROOKLYN BOROUGH GAS WORKS
OU-2 AND OU-3 REMEDIAL ACTION

Construction Activity	Start	Finish	Final Inspection Dates
Mobilization	October 2006	March 2007	N/A
Soil Erosion and Sediment Control (SESC Measures)	January 2007	August 2008	Routine Inspections
Site Clearing	January 2007	March 2007	March 2007
Support and Protect Existing Utilities and Foundations/ Structures	January 2007	April 2007	N/A
Coney Island Creek Dredging (Reach #1)[A]	March 2007	July 2007	August 2008
Coney Island Creek Dredging (Reach #2)[B]	April 2007	November 2007	August 2008
Coney Island Creek Dredging (Reach #3)[B]	November 2007	February 2008	August 2008
Coney Island Creek Backfill	March 2007	March 2008	August 2008
Processed Dredged Material (PDM) Manufacturing	March2007	February 2008	August 2008
Existing (former) Industrial Pipe Removal and Abandonment	January 2007	May 2008	November 2008
Coal Tar Excavation	April 2007	May 2008	November 2008
PDM Placement as Coal Tar Excavation Backfill	June 2007	February 2008	November 2008
Existing Bulkhead & Retaining Wall Housekeeping	January 2007	September 2008	September 2008
Contaminated Material Removal & Established 50-Foot Wide Ecological Buffer Zone	October 2007	August 2008	November 2008
Existing Barrier Wall (sheet pile) Trimming	March 2007	October 2007	November 2008
NAPL Collection Trench Construction	February 2008	May 2008	September 2008
NAPL Collection Trench Forcemain and Pump Station Installation	May 2008	September 2008	November 2008
Ecological Buffer Zone Planting	August 2008	September 2008	October 2008

TABLE 4-2: CONSTRUCTION MILESTONE SUMMARY NATIONAL GRID FORMER BROOKLYN BOROUGH GAS WORKS OU-2 AND OU-3 REMEDIAL ACTION			
Construction Activity	**Start**	**Finish**	**Final Inspection Dates**
Environmental Soil Cover (low permeable) Installation	April 2008	September 2008	November 2008
Fence and Security Measures Installation	August 2008	November 2008	December 2008
Drainage Swale Construction	June 2008	August 2008	November 2008
Install Monitoring Wells and DNAPL Recovery Wells	May 2008	July 2008	November 2008
Demobilization and Site Restoration Activities	August 2008	November 2008	December 2008
Notes: A. Dry Dredge Activities B. Wet Dredge Activities			

Between January 2007 and November 2008, the second phase of the remedial activities, OU-2 and OU-3, were completed and included the following significant activities:

- Excavation of 88,708 tons of Coal Tar Source Materials;
- Installation of 1,910 feet of NAPL Collection Trench;
- Excavation of 97,541 tons of impacted sediments from Coney Island Creek and Construction of Creek Cap;
- 16.2 acres of Multi-Component Site Wide Cap Construction and Stabilization;
- Installation of a new Stormwater Management System Construction; and,
- Establishment of Institutional Controls.

A summary of the material quantities for the completed remedial activities is provided in Table 4-3 below.

TABLE 4-3 MATERIAL QUANTITIES NATIONAL GRID FORMER BROOKLYN BOROUGH GAS WORKS OU-2 AND OU-3 REMEDIAL ACTION	
Item	**Quantity**
Excavated Dredge Sediments	97,541 tons
Sediment Quality Backfill	93,784 tons
Coal Tar Source Area Excavation	88,708 tons
Processed Dredge Materials	111,592 tons (backfill for Coal Tar Areas)
Ecological Buffer Backfill	27,372 tons
Vapor Layer Gravel Backfill	42,975 tons
Tunnel Fill for Cap	76,791 tons
Scour Hole Stone	4,339 tons
Gabion Stone	129 tons
Rip Rap	4,819 tons
Top Soil	21,405 tons

4.8 Site Clearing and Preparation of Work Areas

SES prepared the Site during February 2007 to facilitate the implementation of the proposed remedial activities. Site preparation activities included removal of vegetation and trees as required and the collection of on-site debris within the limits of the proposed remedial work.

Site preparation activities also included establishing Site haul roads and equipment staging areas along with the support areas including construction trailer pads and parking area. SES also established existing conditions by video documentation and surveying as well as conducting limited selective demolition of interior chain link fencing. SES furnished temporary facilities required to facilitate the implementation of the remedial activities such as construction trailers, supporting office equipment, and restrooms. A copy of the video documentation is included in Appendix C. The existing survey is included in Appendix A.

4.8.1 Soil Erosion and Sediment Control Measures

Prior to commencement of land disturbance and demolition activities, temporary SESC measures were installed in preparation of the remedial activities as specified in the Contract Documents. These measures consisted of erosion control fencing around the perimeter of the Site. Erosion control measures were performed in accordance with the New York Guidelines for Urban Soil and Sediment Control.

SES also mobilized a dust control water truck to limit the potential for fugitive dust emissions. Odor suppression equipment consisting of a Russmar foam machine with odor suppressant foam as well as a supply of polyethylene plastic

rolls were mobilized to the site as proposed in the SES CPO. Prior to the start of dredging in the Coney Island Creek, SES installed a temporary fabric enclosure to be used for amending creek sediment with Portland cement to create PDM as discussed in Section 4.14.1.

Heavyweight turbidity barriers were utilized, both upstream and downstream of the Coney Island Creek dredging operations to contain the dispersion of silt/sediment and to prevent suspended solids from migrating downstream in the Coney Island Creek. In addition, turbidity barriers were equipped with adsorbent containment booms to contain LNAPL. These adsorbent booms were changed weekly, or as they became saturated with LNAPL, and were managed and disposed off-site in accordance with applicable regulations.

Throughout the remedial construction, the SESC measures were inspected daily by SES's QC Officer, the CM, PS&S and NYSDEC and maintained regularly. Accumulated sediment was removed from the SESC as needed and added to the contaminated waste stockpile for off-site disposal.

4.8.2 Decontamination Pads and Activities

The decontamination pad consisted of a pre-fabricated steel structure that was large enough to perform decontamination of all earthwork machinery and transport trucks used during the remediation. The decontamination pad was underlain by crushed stone and met the requirements of the Contract Documents. Several decontamination pad locations were used depending on Site activities. Decontamination wastewater was directed to a sump built into the pre-fabricated pad, and a small pump transferred the wastewater to an on-site holding tank. Once the holding tank was observed to be full, the waste water was shipped offsite to an approved disposal facility (Clean Water of Staten Island, New York). Solids were removed from the holding tank and were disposed along with other MGP exclusion waste materials. Waste disposal information for decontamination water is included in Appendix D.

Decontamination activities included the removal of contaminated soil and debris and other miscellaneous materials from construction equipment and tools utilized within the Exclusion Zone. Physical/mechanical agitation (scraping with hand tools) of soil was first utilized to minimize wastewater generation. Then a high high-pressure low-volume pressure washer was utilized to complete the process.

Final decontamination for offsite demobilization of equipment is discussed in Section 4.23.

4.9 Health and Safety Plan

SES issued the final Health and Safety Plan (HASP) for use at the Site. SES accepted the generic HASP included in Appendix F of the July 2006 Final RDR. SES added Safe

Operating Procedures (SOPs) to the HASP as Site specific work tasks were identified. An SES Health and Safety Officer was stationed on-site, fulltime, to monitor and control health and safety aspects.

4.10 Community Air Monitoring

The Community Air Monitoring Program (CAMP) was performed by GEI Consultants, Inc. (GEI) of Glastonbury, Connecticut. Monitoring was conducted from February 1, 2007 through August 11, 2008 during remedial activities and consisted of upwind and downwind continuous air monitoring stations and a meteorological station. The findings and data of this program are presented in the September 16, 2008 Community Air Monitoring Completion Report included as Appendix E.

National Grid retained GEI to conduct a CAMP during the remediation of the Site OU-2 and OU-3 remedial actions. GEI prepared the Community Air Monitoring Completion Report that presents the data collected during the CAMP, compares the data to pre-determined action levels, and documents response actions as required by the CAMP contingency plan. This CAMP contingency plan was incorporated into the GEI CAMP Work Plan and employed a three-tiered classification and warning system based on pre-determined site-specific action levels as defined in the CAMP Work Plan. Public complaints and the Site response are identified in the Community Air Monitoring Completion Report.

A Site contingency plan was established as part of the CAMP and included a three-tiered warning system based on pre-determined action levels. An alert was issued if concentrations were elevated to near action levels for a 15-minute period and were potentially attributed to contaminated media. The three tiered levels were as follows:

- Site Condition 1. Normal or ambient air conditions where all target concentrations (for total volatile organic compounds (TVOCs) and respirable dust (PM10) are less than a predetermined level approaching an action level.
- Site Condition 2. Concentration of at least one target is greater than or equal to Site Condition 1 but less than the action level.
- Site Condition 3. Concentration of at least one target is greater than or equal to the action level.

There were no alerts or exceedances for TVOCs during the entire OU-2 and OU-3 remediation program. On six occasions, the PM-10 level exceeded the Site Condition 3 threshold and the site team was notified to increase watering of the work surfaces as a response action. On other occasions, wind direction was used to compare potential action level concentrations at downwind monitoring stations to background concentrations at upwind monitoring stations to rule out a Site Condition 3. Most elevated levels of PM10 were the result of either off-site activities, or non-intrusive work activities such as equipment exhaust or generation of surface dust from uncontaminated road base gravel prior to intrusive activities. Based upon the nature of these occurrences, nearby receptors were not affected.

4.11 Vibration and Settlement Monitoring

Remedial construction activities were performed so as to limit the potential for adverse impacts to adjacent off-site structures and utilities due to vibration. In accordance with a property access agreement between National Grid and an adjacent property owner, Consolidated Edison (ConEd), vibration monitoring was conducted during sheet pile driving activities conducted along the southern bank of the Coney Island Creek. The ConEd agreement required compliance with a 0.5 peak particle velocity (ppv). Ground-borne vibration was monitored by PS&S through the use of seismographs positioned at various locations near the daily sheet pile driving operations. No readings above 0.5 ppv were recorded during the sheet pile driving. Data for the vibration monitoring is included in Appendix F.

In addition, SES established numerous settlement points on adjacent structures and locations. Monitoring was completed by conventional land surveying techniques and was conducted during the remedial excavation activities along the western property line adjacent to the MTA railroad and the MTA Bridge. The settlement point monitoring results reported no change in the settlement point elevations. Data for the settlement point monitoring is included in Appendix F.

4.12 Coal Tar Source Removal

Coal tar source removal began on April 4, 2007 and was complete on May 22, 2008. A total of 88,708 tons of source material were removed from the Site. Excavation activities within the Coal Tar Source Areas consisted of removing observed coal tar source material to the depth of the groundwater table plus an additional one foot below the encountered groundwater. The additional one foot of excavation was approved by NYSDEC in April 2007 as a design revision when the encountered groundwater was shallower than the estimated six feet bgs presented in the RDR. The areas of Coal Tar Source removal are depicted on the Record of Construction Drawing, SES-1 (refer to Appendix A) and the records of source materials that were disposed off-site are included in Appendix D. Eight Coal Tar Source Areas were excavated to below the groundwater table to the remedial design depths; however, elevations of the bottom of excavation were not obtained. Therefore, this bottom of excavation survey information is not identified on the Record of Construction Drawing SES-1 for these eight specific areas only. The bottom of excavation was observed in the field and was verified after review of the PDM backfill thickness Record of Construction Surveys (refer to SES-8, Appendix A).

Information regarding the off-site transport and disposal of the coal tar source materials is included in Section 7.0 of this FER. The Waste Tracking log is included as Appendix D. The waste tracking log includes the date of each load, shipping destination, manifest number, and the location of the source material.

Odor control was frequently implemented during coal tar source removal excavation activities. Measures including daily use of tarps and odor suppressant foam to control

fugitive odors. Personal monitoring was also performed at each excavation location for worker safety purposes. SES performed monitoring by using multiple realtime Photo-Ionization Detector (PID) and multi-gas monitors. Health and safety guidelines were followed during construction activities. Benzene detector tubes were utilized as needed if the PID instrumentation indicated the need to confirm the presence and/or amount of benzene detected by elevated PID readings.

Community air monitoring activities performed by GEI, Consultants Inc., monitored the perimeter of the Site for the protection of the public and detection of impact to the community (refer to Section 4.10 and Appendix E).

Excavated material was direct loaded into transport vehicles for off-site disposal as described in the CPO. When coal tar source material was visually observed to extend beyond the excavation boundaries, the excavation activities were extended beyond the original design coal tar removal boundaries until a clean cut face was observed up a maximum of the Site property line. National Grid, PS&S, and NYSDEC representatives collectively made the final determination in the field based on visual observations as to whether or not material at the planned excavation boundaries constituted coal tar source material that required removal

Subsurface industrial features (i.e., piping, tanks, etc.) encountered during the excavation of the Coal Tar Source Areas were removed in their entirety from within the excavation limits. Process piping, that was found to extend beyond the excavation limits, was sealed at the excavation limit and the full extent of the pipe was determined so that the far end of the pipe could be sealed as well. Locations of sealed process piping are included on the Record of Construction Drawing SES-9.

As per the RDR, thick reinforced concrete slabs and extensive pile foundations, the existing former gasholder pads and other major pad foundations were not removed during the Coal Tar Source Area excavation activities. As indicated in the RDR, the former gasholder pads were left in place to remain below the proposed site wide cap system. Concrete foundations that remain in place are identified on the Record of Construction Drawings SES-1 and SES-9.

4.13 Dredging of Coney Island Creek

4.13.1 Dredging Overview

In accordance with the RDR and Construction Documents, a minimum of three feet of sediments across the entire length and width of the OU-2 reach of the Coney Island Creek adjacent to the Site were removed by dredging and excavation. The section of Coney Island Creek dredged extended a total distance of 2,243 feet from Stations 0+00 to 22+43 as shown on the Record of Construction Drawings SES-2a and SES-2b included in Appendix A. The pre-construction bathymetry of the Coney Island Creek was irregular and varied (refer to SES-2a) from a bottom elevation of approximately –8.0 feet on the western end

and a bottom elevation of approximately –2.0 feet on the eastern end based on the NAVD88 vertical datum.

In accordance with the NYSDEC-approved remedial design drawings, Coney Island Creek was segmented into workable sections or "reaches". Within each reach, the remedial action implemented was a minimum three (3) foot dredge depth throughout the extent of the Coney Island Creek with the exception of localized shallow one-foot dredging excavations along the southern bank (refer to Section 4.13.3). This dredging approach resulted in the removal of approximately 97,541 tons of Coney Island Creek sediment during the dredging activities.

The construction approach to the Coney Island Creek dredging included the mechanical removal of sediments using an environmental clamshell bucket, transporting the dredge materials to the upland portions of the Site, and processing/amending the dredged materials for on-site use as backfill for the coal tar source removal excavations under the Site-wide multi-component cap. Debris from dredging and construction debris from on-site excavations were mixed together for off-site disposal. A detailed description of the dredging, amendment, and placement activities is presented in Sections 4.13.2 through 4.13.5, 4.14, 4.15, and 4.16.

In order to facilitate the proposed dredging activities and still maintain a stabilized bank along the southern extent of the Coney Island Creek, SES installed 13 feet to 34 feet long permanent marine grade steel sheet piling (grade AZ18) depending on the Coney Island Creek station and corresponding site conditions. The steel sheeting was installed to an elevation of 2.0 feet NAVD88. After completion of the dredging and backfilling activities within the Coney Island Creek, the steel sheeting was left in place, however, the steel sheeting was trimmed to an elevation of one foot below the top of the Coney Island Creek backfill (approximately Elevation +1 feet NAVD88) (refer to the record of construction drawing SES-9).

4.13.2 Dry Dredging Sediment Excavation

In accordance with its NYSDEC approved CPO, SES attempted the dredging of Coney Island Creek in a dry condition. Dry dredging commenced in March 2007 at Station 22+43 in the easternmost end of the Coney Island Creek (approximately ten feet from the Coney Island Creek terminus at the Shell Road combined sewer overflow (CSO) structure) and proceeded to the west. "In the dry" excavations were accomplished by installing a temporary steel sheet pile diversion and backflow dams across the Coney Island Creek at various locations in order to divide Reach 1 of the Coney Island Creek into manageable sections or smaller 'reaches'. A bypass pumping system, with more than 50,000 gallons per minute (GPM) capacity, was used to divert the Coney Island Creek flow around the area of the "dry" creek being dredged.

At least two of these sheet pile dams were installed at a time when dredging was occurring. After five months of dry dredging, progress was limited to less than approximately 300 hundred feet of the first reach (approximately Coney Island Creek Station 19+00). SES abandoned the dry approach in favor of a modified wet dredging approach (refer to Section 4.13.3) which maintained water in the Coney Island Creek at all times through the use temporary sheet pile weirs across the Coney Island Creek. SES submitted a revised CPO for the modified wet dredging which was approved by NYSDEC in June 2007.

4.13.2.1 Temporary Water Treatment System

An on-site water treatment system was designed and constructed to manage approximately 200 GPM of water generated from the following site remedial operations:

- Coney Island Creek Reach #1 dewatering operations;
- NAPL Collection Trench excavations and installations;
- Decant water from PDM settlement process; and,
- Construction equipment decontamination water.

The on-site water treatment system was designed to comply with the NYSDEC effluent limitations for Coney Island Creek. Water flows were directed from the Site remedial operations to a 400,000-gallon aboveground storage tank (i.e., a Modutank^{TM}), then to an oil-water separator. The oil-water separator also served as an equalization tank and pump wet well. Water was then conveyed to an incline plate clarifier (IPC) for suspended solids and heavy metal removal. Water was then conveyed to a holding tank that regulated the water flow through sand filters and then through pressurized bag filters. Water flow was then conveyed through granular activated carbon (GAC) vessels and continued on to 20,000-gallon effluent holding tanks prior to discharge to Coney Island Creek. Prior to discharge, analytical tests were performed on a routine basis on the batch water in the effluent holding tank to confirm compliance with the NYSDEC Coney Island Creek effluent limitations.

SES operated the water treatment system; however, SES was not able to consistently comply with the NYSDEC Coney Island Creek effluent limitations. Therefore, SES abandoned the water treatment system and only used the storage tank infrastructure to temporarily stage the Site remedial operations generated water. As further discussed in Section 7.4 of this FER, the generated water was disposed of off-site at the Clean Waters of New York Facility located in Staten Island, Richmond County, New York.

4.13.3 Wet Dredging Sediment Excavation

As indicated in the SES revised CPO, wet dredging commenced at Station 19+00 in the easternmost end of the Coney Island Creek (approximately ten feet from the

Coney Island Creek terminus at the Shell Road CSO structure) and proceeded to the west to the property line adjacent to the MTA Bridge. As the Coney Island Creek flows downstream from east to west, the water depths gradually increased and provided sufficient flotation depths beyond Reach 1 for the excavation and transport of marine equipment in the western end of the Coney Island Creek (ten feet from the property line). In addition, the lateral extent of the dredging extended from the existing sheet pile barrier wall on the northern bank of the Coney Island Creek to the southern side of the Coney Island Creek to an elevation above the Mean High Water Line (2.0 feet NAVD88). Prior to the dredging activities, a bottom elevation survey of the Coney Island Creek was conducted to establish the pre-dredging conditions (refer to Appendix A, SES-2a).

In the wet dredging approach, the remaining length of the Coney Island Creek (Reach 2 through Reach 6) was divided into two reaches. The first area to be dredged was from Station 19+00 (refer to Appendix A, SES-3a). The second reach was from approximate Station 5+20 to approximate Station 0+69 that corresponded to offset of a minimum 75 feet from MTA property. Wet dredging was facilitated by installing temporary steel sheets to serve as a transect dam (i.e., wier) to capture high tide. After the wet dredge activities were completed, the temporary steel sheets were removed. This wier approach provided a minimum water depth of approximately five feet that was necessary for the dredging equipment. This minimum water depth was maintained by pumping water into an active dredge excavation cell from other areas of the Coney Island Creek. Sediment dredging and backfilling then proceeded through the water column.

SES utilized an excavator equipped with a global positioning system (GPS) and an environmental clamshell bucket. The SES excavator was positioned on a barge in order to dredge sediment from the Coney Island Creek. Dredged sediments were placed into floating scows which transported sediments to the north side of the Coney Island Creek, where dredge material was unloaded from the scow with a rubber-tired earthwork excavator positioned on the bank. An excavator unloaded the scows and placed the sediment directly into a truck whose cargo area was double-lined with plastic sheeting and had sealed tailgates. The truck transported the sediments to the on-site dredge Amendment Building.

Unstable side slopes were observed at two locations along the southern bank of Coney Island Creek at general stations 20+50 to 19+50 and stations 8+00 to 6+75. After consultation with NYSDEC, steel sheeting was not installed and was replaced by sloped excavations along the southern bank. At each of these locations, sediment samples were acquired in a twenty-foot wide grid, and samples were visually inspected for the presence of contamination. In each of the locations, contamination was not observed.

4.13.4 Turbidity

During the dredging operations, turbidity barriers and deflection curtains were deployed in accordance with the CPO, dated February 27, 2007, at both upstream and downstream ends of the work zone to provide full containment of the dredged area at the following locations: #1, approximately 15 feet to 20 feet west of the discharge point from the pumping operations (moved westward concurrent with the movement of the discharge point as the work in the Coney Island Creek progresses); #2, approximately 30 feet to 45 feet west of the discharge point from the pumping operations (moved westward concurrent with the movement of the discharge point as the work in the Coney Island Creek progresses with a 15-foot to 20-foot spacing between Curtain Nos. 1 and 2 maintained and #3, at the western face of MTA Bridge. The turbidity barriers and deflection curtains were employed throughout the duration of the remediation project to contain re-suspended sediments associated with the dredging of the Coney Island Creek and the subsequent re-establishment of the contours of the Coney Island Creek. Turbidity barriers were of heavy-duty quality and confined sediments to the dredging area and restricted the potential for off-site migration of any re-suspended sediments. Heavy-duty deflection curtains capable of deflecting tidal flows from the turbidity barriers were also used.

In accordance with the CPO, turbidity was continuously measured in the field by SES utilizing real time turbidity monitors. These turbidity monitors consisted of OBS-3 turbidity monitors which also measure total suspended solids (TSS) based on turbidity levels. One OBS-3 was placed at a location upstream of the ongoing work in the Coney Island Creek. One OBS-3 was placed near the location of the discharge point from the pumping operation. This OBS-3 was moved concurrent with the movement of the discharge point as the dredge activities in the Coney Island Creek progressed. One OBS-3 was located just west of the silt curtain by the MTA Bridge. This OBS-3 was moved when that silt curtain was moved farther westward prior to dredging and capping the final section of the Coney Island Creek where a wet dredging and backfilling approach was implemented.

Turbidity and TSS monitoring was performed twice daily by SES personnel (once in the morning and once in the afternoon) at four locations:

1. Sump 1 (adjacent to the turbidity monitor);
2. 50 feet from the western edge of the dredging barge in the active work area (or as approved by the on-site NYSDEC representative);
3. downstream of reach 2 transect wall at Station 5+20 (adjacent to the turbidity monitor); and,
4. near the MTA Bridge outside of the final turbidity curtain.

The sample taken from near the MTA Bridge was considered background. Initially, a fifth sample was taken at the downstream end of reach 2, near the sheet

pile transect wall, and was used for informational purposes only. Samples for PAH and metals were also obtained by SES personnel at each location at the same time and refrigerated for possible analysis should TSS levels show exceedances.

The TSS sample taken from within the active work area was collected twice daily from a location 50 feet from the western end of the barge or as approved by the on-site NYSDEC representative. SES also monitored water depth in the excavation area at the time of this sampling and recorded the reading in the daily QC report. The TSS result (reported in milligrams per liter (mg/L)) for the active work area sample was compared against the result of the background TSS sample taken near the MTA Bridge, outside the work area. If the difference was between 0 mg/L and 50 mg/L above background, work would be continued and no further sampling was required. If the difference was between 51 mg/L and 150 mg/L, work would be continued, but a sample from the water column was collected and sent for expedited PAH and metals analysis. If the difference was 151 mg/L or higher, work would be stopped and a sample from the water column would be collected and sent for expedited PAH and metals analysis. Work would be continued if the TSS decreased below 150 mg/L while waiting for sample results. For any TSS result 50 mg/L or more above background, SES would review the dredging procedures and implement means to reduce suspended solids.

During the period of dredge activities, there were no exceedances of the 150 mg/L criteria. Analytical results for PAH and metals samples acquired for episodes where TSS was between 51 and 150 mg/L were provided to the NYSDEC on-site representative for concurrence with the continuation of hand dredging progress. Results of PAH and metals analyses are included in Appendix G.

Water column samples with an approximate volume of four gallons were collected from a sampling bucket. The samples were homogenized and split between sample bottles for TSS, PAH, Total Metals and Dissolved Metals. The water samples were analyzed by the SES contract laboratory, Waste Stream Technologies, and results were studied based on the amount of suspended solids for comparison with a background sediment sample.

PAH and metals results were also compared with a background sample of Coney Island Creek sediment. The background sample was obtained from below the geotextile in a completed section of the Coney Island Creek (Reach 1). If laboratory reported analytical results obtained from samples of the water column were within 25% of the values obtained from the background sample, then the samples were considered comparable and no further action was required. If results were greater than 25% of the background sample, SES would be required to install additional turbidity curtains and conduct turbidity curtain maintenance activities with oversight from the NYSDEC representative. Results were within 25% of the values obtained from background samples. Results of these samples are included in Appendix G and indicate compliance with the requirements of the CPO.

4.13.5 Debris

Debris removal was required during the dredging process. Larger debris, such as bridge pilings, large concrete blocks and old bulkheads, was excavated separately with a barge mounted excavator and was staged for off-site disposal. The smaller sized debris was removed by a screen from the dredged sediments at the processing facility and screened debris was segregated for off-site disposal at the OU-3 upland portion of the Site. Debris was crushed by on-site SES bulldozers and screened to separate any soil sediment materials. Debris from dredging and uncontaminated construction debris from on-site excavations were mixed together for off-site disposal (refer to Section 7.0). Debris from contaminated areas, including any piping, was separately stockpiled.

4.13.6 Utilities

Historically, two 30-inch diameter submerged gas pipelines crossed the Coney Island Creek in a north-south direction. These pipelines were reportedly abandoned with the closure of the former gas operations in 1966. Both pipelines are inactive gas mains. One main is currently utilized as an electrical conduit beneath Coney Island Creek for a power supply line that terminates on-site. A drawing of these two gas mains was found in the National Grid archive files and SES used this drawing to identify the location of these two gas mains.

Based on the National Grid drawing, the two former gas mains were determined to be located below the proposed dredging limits. SES confirmed that one of the former gas lines was used as a duct bank or chase for an underground electric service and the other was empty. The empty gas main was abandoned in place by first steam cleaning, then a lean concrete was tremied into the pipe from both ends. The former gas main remains in use as a conduit for electric service, and therefore was protected during dredging activities and the electric service in this main was deactivated during construction (refer to Section 4.12 herein above). During its demobilization from the Site, SES restored electric service through this former gas main.

4.14 Processing of Dredge Materials

4.14.1 Amendment Building

An Amendment Building was constructed by SES to receive dredged materials processing and consisted of a 100-foot wide by 150-foot long temporary fabric enclosure (structure) supplied by Hurst Steel. The structure was designed by a New York State Licensed Professional Engineer. The Amendment Building was placed on a graded stone surface, overlain by 4-mil polyethylene sheeting and covered with approximately five inches of asphalt pavement. This Amendment Building included an air-exchange system that provided six air changes per hour.

This air-exchange or Vapor Management System (VMS) was provided by TIGG Corporation. The VMS utilized blowers, particulate filters and carbon contained in transportable trailers.

The Amendment Building also included two large storage silos for Portland cement. Cement from these silos was pneumatically fed into the building for mixing with the sediments.

A "wet storage area" for recently dredged material was constructed on the asphalt pad inside south end of the fabric structure and consisted of concrete block walls, sealed with epoxy cement, to contain the material. The wet storage area was sized to provide storage to accommodate approximately three days of excavated creek sediments (approximately 500 cubic yards). The wet storage area was sloped to allow free water to drain from the sediments, and the free water was collected and transferred to the onsite temporary wastewater treatment plant or to a holding tank for off-site disposal.

After being allowed to drain, the dredged material was prepared for processing, and any large boulders, limbs, debris, etc. were removed by front end loaders with fork attachments located inside the south end of the Amendment Building.

Every truck transporting dredge materials to the Amendment Building was power washed, after off-loading, on the north side of the Amendment Building so that every truck returned to creek area clean. In order to prevent leaking of dredging sediment from trucks during transportation from the creek to the Amendment Building, the seals on each truck tail gate were checked during each power washing operation.

As identified on SES-1 (refer to Appendix A), one foot of the Amendment Building subgrade, including the asphalt pavement, was excavated and disposed of off-site at a licensed disposal facility (refer to Section 7.0) after the Amendment Building was removed from the Site.

4.14.2 Amending Demonstration

As required by the Contract Documents, SES completed in June 2007 two dredge amendment studies, utilizing full scale dredge process equipment. The first demonstration was performed on a 250 cubic yard test volume of Coney Island Creek sediment; where 8%, 10%, 12%, and 14% Portland Cement to dredge materials ratios were evaluated. The second demonstration project was performed to study 10% and 12% Portland Cement ratios. Results of the second demonstration project (i.e., the 12% Portland Cement ratio) were utilized for the remainder of the project's dredge amendment activities. Results of the Amending Demonstration were submitted to NYSDEC in June 2007. Results for the amended dredged materials complied with the treatment standards required by NYSDEC. Appendix G contains a tabulation of the results.

Sediment for the field demonstration was excavated from an easily reached portion of Reach 4. Sediments in Reach 4 were chosen because they were known to be more highly contaminated than other Coney Island Creek sediments. Sediments from the test area were transported to the wet storage area in the Amendment Building and were separated into approximately 50 cubic yard piles. Free water was allowed to drain from the dredged material.

Before processing, SES collected samples and submitted the samples for the following analyses:

- SPLP Analysis;
- Wet density;
- Percent solids/Percent water;
- Moisture Content as compared to Proctor test (+/- 5%); and,
- Weight of Reagent to be used as calculated by the following formula = Volume of Stockpile (cy) x Wet Density (tons/cy) x Percent Reagent Addition/100.

SES then processed the sediments through the screen and sizing equipment and pugmill and stockpiled the material for a curing period. After curing, two composite samples (each sample consisted of 10 grab (point) samples) were collected and sent to Waste Treatment Technology, Buffalo, New York, an Environmental Laboratory Accreditation Program (ELAP) laboratory, for moisture content, compressive strength and SPLP analyses. The PDM was then placed, compacted and tested to ensure a compaction of 90% of the modified proctor density and an in-place compressive strength of 3,000 ponds per square foot at a maximum strain of 5%.

4.14.3 Sediment Amendment

In April 2007, a pug mill and grizzly screening device ("Turbo-Commander") was installed within the Amendment Building to process the drained dredged sediments. After drainage of free liquids from sediments placed in the wet storage area, the sediments were then loaded by an excavator directly onto the "Turbo-Commander". This device was used to separate over-size material from the top of screen device and shred the material that goes through the screen by using a rotating flail. This processed material then traveled by a conveyor to the pugmill chamber, where the dredged material was mixed with cement. Based on the results of the amending field demonstration, Portland cement, at 12% by weight of the sediment, was fed into the sediments at the downstream entrance of the pug mill from one of the two outdoor concrete storage silos. The appropriate dose of cement was calculated by a series of conveyor scales that weighed the sediment as the material traveled through the pugmill.

Clogging of the pugmill developed rapidly after the pug mill was used. In addition, the "Turbo Commander" proved to be inefficient in the separation of debris from the dredged sediments. Therefore use of the pugmill and "Turbo Commander" were discontinued in July 2007 and replaced with excavator mixing inside the Amendment Building. Only 4,410 tons of sediment was processed with the pugmill mixing method.

Starting in July 2007, amending activities were done inside of five 30' x 30' bins located in the south end of the Amendment Building without the use of the pugmill and "Turbo Commander." These bins, constructed of stacked concrete blocks, were well maintained and were sealed with an epoxy cement. No leaks were observed. Each bin held approximately 200 tons and was loaded using an excavator equipped with a portable scale. Based upon the weight of the sediments placed in the bin, cement was unloaded from the cement silos and placed into the bin to be mixed. Mixing of dredged sediment with Portland cement was done by two Komatsu PC-300s. Each excavator was able to mix only one bin. Mixing time for each bin was between 30 minutes to one hour. Mixing requirements for the mixture of dredged sediment and Portland cement was a minimum of 12% of Portland cement measured by weight of the dredged sediment. Excavator mixing was completed in March 2008, and a total of 107,182 tons of dredged material were processed using this method.

The weight of dredged sediment and also weight of required Portland cement loaded into bins was determined by scale. This scale was attached to the hydraulic arm of the bucket of the front loader used to place the sediment and cement on the mixing bin. The Portland cement was thoroughly mixed by the bucket of an excavator into one of the bin containing the sediments. Mixing was continued until no cement was visible. A full-time PS&S field representative monitored the mixing operations. After mixing was completed, the PDM was not cured any further in the mixing bin and was removed from bins by mixing excavators, loaded to decontaminated trucks and transported from the Amendment Building for placement as backfill in the Coal Tar Source Area excavations (refer to Section 4.15).

PDM exited the Amendment Building though its northern door which was open only for the very limited time to truck out the PDM. Both doors of the Amendment Building were closed during amending activities in order to manage dust and possible contamination inside of the Amendment Building. Open doors were protected by a thick fog wall made from water pipes with a system of small nozzles on top of each door. This "fog wall" prevented dust escaping from the Amendment Building. The Amendment Building had negative pressure inside created by two big fans installed on the east wall of the Amendment Building.

Amending activities were performed in accordance with the Contract Documents. There was only one bin which was mixed with less than 12% of Portland cement by weight. This bin had exactly 11.88% of Portland cement by weight and the

good quality of PDM in this bin was approved and accepted by the on-site NYCDEC representative.

The PDM was tested in accordance with the project specifications to meet analytical requirements in the RDR. Sediment samples of un-amended and amended sediments (i.e., before and after amendment with Portland cement) were collected every 2,000 cubic yards. Collected samples were analyzed utilizing Synthetic Precipitation Leaching Procedure (SPLP), USEPA SW 846, Method 1312. Results of these analyses are included in Appendix G.

Before and after samples of PDM were taken every 2,000 cubic yards and the tests demonstrated the 90% reduction of contaminants capped at 10 times the Universal Treatment Standard (UTS) as required by the RDR. SPLP results for the in-place PDM are included in Appendix G. In addition, in-place density tests performed on the PDM are included in Appendix I.

4.15 Placement of Processed Dredge Materials

The Coal Tar Source Area excavations were backfilled with PDM generated during the Coney Island Creek dredging operations. The dredging of the Coney Island Creek generated 97,541 tons of sediment that was processed on-site (refer to Section 4.14). After the removal of large debris, the dredged material (sediment) was processed with a minimum of 12 percent Portland cement, where approximately 111,592 tons (reported wet weight, uncured) of PDM was generated.

SES developed a field method for the placement of the PDM at the Site. This method was submitted as Request For Information #15 (RFI #15) and requested the replacement of nuclear density testing by the use of a sand cone and the determination of soil unconfined compressive strength through the use of a static cone penetrometer rather than through Shelby tube sampling. As RFI #15 was an alternate field testing method to achieve the required RDR criteria, the acceptance of this field method did not require approval by NYSDEC. The use of the procedures of RFI# 15 resulted in cured PDM that complied with the required RDR compressive strength values of 3,000 pounds per square foot (PSF) at a maximum strain of five percent on the sample. After PDM placement, compaction tests were conducted on April 9, 2007 and April 20, 2007 and reported compaction results that complied with the RDR requirements for percent compaction. The conclusion of these demonstrations indicated that PDM can be placed “wet” (without any free-draining liquids) in the field and allowed to cure without further compactive effort.

The PDM was tested in accordance with the project specifications to meet analytical requirements in the RDR. Sediment samples of un-amended and amended sediments (i.e., before and after amendment with Portland cement) were collected every 2,000 cubic yards. Collected samples were analyzed utilizing Synthetic Precipitation Leaching Procedure (SPLP), USEPA SW 846, Method 1312. Results of these analyses are included in Appendix G.

On-site placement of the PDM periodically occurred prior to the receipt of final laboratory results. Therefore, a daily tracking system was implemented to track the placement location of each batch.

With one exception, the batches of PDM, created by the processing of the dredged sediments, had SPLP results that passed the required RDR criteria of 90% reduction over un-amended sediment, capped at ten times the UTS. However, a PDM batch made on November 30, 2007 failed for naphthalene. This batch was spread over 23 of the one hundred and eighty 40-foot by 40-foot backfill grids in the Coal Tar Source Removal Area (refer to the map included in Appendix H). Following discussion with the NYSDEC Project Manager, in-place samples of the PDM were acquired of the affected areas through the use of geoprobe equipment. The in-place sampling plan was approved by NYSDEC and was implemented with NYSDEC oversight. The geoprobe samples were re-tested for naphthalene, and the supplemental samples of the PDM subsequently passed for naphthalene. PDM chemical testing results, including the geoprobe samples, are included in Appendix G.

In summary, an in-place PDM sampling program was performed to further study reported elevated naphthalene concentrations, and the sampling results identified that the naphthalene levels complied with the site remediation standards.

4.16 Backfill and Capping of Dredged Creek Areas

In accordance with the RDR, and following the excavation of contaminated sediments, the remaining sediments in Coney Island Creek were capped with a minimum of three feet of sediment-quality material as detailed in the Contract Documents. This sediment-quality material contained a combination of stone/gravel, sand, and organic material. The cap also included a demarcation layer (geotextile fabric) placed at the base of the sediment excavation between any remaining contaminated sediment and the clean materials that were placed as the Coney Island Creek cap. Backfilling of Coney Island Creek began in March 2007 at the most westerly section at Station 22+43 and proceeded westerly along the Creek towards the MTA Bridge, the western limit of dredging. All backfilling was completed in March 2008; where 97,541 tons of backfill materials were placed to cap the dredged areas of Coney Island Creek.

When more than approximately 150 feet of Coney Island Creek was dredged, a silt curtain and oil boom was deployed across the Coney Island Creek in order to separate the already excavated portion of the Coney Island Creek from the portion which was still being excavated. This silt curtain was used to minimize the transport and deposition of sediments from the adjacent active excavation area into the area of completed excavation prepared to receive clean backfill. After the silt curtain was placed, an eight-hour settling period was observed, and then a TSS sample was acquired within the area to be backfilled. If the TSS sample results were less than 25 mg/L above background, then post dredge verification surveys of the excavation area were performed.

The dredged areas of the Coney Island Creek were backfilled with clean material as specified in the RDR. The general composition of the Coney Island Creek backfill material by weight is summarized below:

- 10% stone/gravel (NYS Department of Transportation (NYSDOT) designation type 2 or equivalent);
- 10% stone/gravel (NYSDOT designation type 1A or equivalent); and,
- 80% sand (NYSDOT designation type 1B or equivalent) by volume was added to the stone/sand mix and the final engineered material was then transported to the site for use as Coney Island Creek backfill.

After the 10% type 2 stone, 10% type 1A stone, and 80% type 1B sand were mixed by weight, 10% of organic material (NYSDOT Item 713.15 or equivalent) by volume was added at the fill materials supplier's facility to generate the specified Coney Island Creek backfill material (product).

In accordance with the project specifications, quality control and quality assurance tests were performed on the final engineered Coney Island Creek backfill materials and the geotechnical and environmental quality test results are included in Appendix I. Clean fill material certificates are also included in Appendix L.

For the Creek Sections completed by dry dredging (Stations 22+43 to 19+00), backfilling was completed by end dumping and bulldozer placement. For the wet dredging, backfill was placed, through the water column, over the geotextile fabric starting at the northern bank and working in a south and west direction across the Coney Island Creek. The imported backfill materials were evenly distributed in thin lifts until the required minimum cover thickness of at least three feet was placed. The amount of imported backfill materials required for the cover was pre-calculated by SES, based on a comparison of the post dredge survey data to the RDR drawings. Backfilling equipment consisted of two Stoneslingers® belts which were located on the land along the northern and southern banks of Coney Island Creek. This equipment featured a belt driven, articulating conveyor, fed by dump truck loads. The conveyer belt system placed a uniformly thick layer of backfill material across the Creek and in sequential lifts.

Tension was maintained on the fabric during backfill operations in order to minimize wrinkles or folds. After backfilling was complete, final verification surveys were performed using conventional survey methods. An eight-hour settling period was again observed along with monitoring the TSS of the backfilled area to be less than 25 mg/L above background. Survey data was compiled and was presented for final acceptance by PS&S. Areas that did not reach their assigned cover thicknesses were required to be re-backfilled and then re-surveyed.

Post dredge verification surveys were performed using conventional survey equipment and the approved USACE pole method which included the attachment of a six-inch diameter plate to the end of a calibrated pole. Survey data was compiled and was presented for final acceptance by PS&S prior to beginning the installation of the

geotextile fabric and cap backfill. Areas that did not reach their assigned dredge depths and/or a minimum of three feet of dredging were required to be re-dredged and then re-surveyed. The final as-built condition of the dredged areas is indicated SES-2a and SES-2b in Appendix A.

After dredge depths were confirmed, geotextile fabric, in accordance with the Contract Documents, was placed. Geotextile fabric sections were sewn together on land in 150-foot to 200-foot lengths by the Coney Island Creek section width. The fabric was floated into the Coney Island Creek backfill area using ropes and snatch blocks. A large tab of geotextile fabric was left un-sewn to provide the attachment for sewing the next piece of fabric, and this tab was sewn from a floating platform.

In accordance with the RDR, the Coney Island Creek backfill material was sampled at the rate of one sample per every 5,000 cubic yards of material imported to the Site. The samples were chemically analyzed by Waste Stream Technologies, Buffalo, New York, a New York State Department of Health (NYSDOH) certified ELAP approved laboratory. The analysis parameters were the following: total volatile organic compounds (VOCs); semi-volatile organic compounds (SVOCs); organic pesticides/herbicides, polychlorinated biphenyls (PCBs); and Target Analyte List (TAL) parameters. The reported results were compared to and demonstrated compliance with the requirements of TAGM 4046. A compilation of results is provided in Appendix G. Along with the chemical testing, physical and geotechnical testing of the sample was conducted to demonstrate compliance with the RDR (refer to Appendix I). Material composition physical and geotechnical testing was performed by Advanced Testing, Campbell Hall, New York.

4.17 NAPL Trench and Recovery Wells

A NAPL Collection Trench was constructed immediately upgradient of the 50-foot Ecological Buffer Zone between February 2008 and May 2008, refer to SES-4 included in Appendix A for location of the NAPL trench. The purpose of the NAPL collection trench is to capture NAPL and to prevent NAPL from migrating into the Ecological Buffer Zone and the Coney Island Creek. In accordance with the RDR, the NAPL collection trench was constructed by excavating a trench that was approximately five feet wide with a varying depth of approximately five feet to 15 feet below finished grade as per the RDR. The trench, approximately 1,900 feet long, runs parallel to the Coney Island Creek. A 40-mil, impermeable high density polyethylene (HDPE) liner was installed along the bottom of the trench and extended up and over the downgradient (south) wall of the trench and beneath three foot soil cap of the 50 foot Ecological Buffer Zone, terminating at the perimeter steel sheet pile wall (installed as part of OU-1). The purpose of the 40-mil HDPE liner is to contain NAPL beneath the Ecological Buffer that may have pre-existed the trench installation. As indicated in the RDR, an 18-inch diameter perforated pipe was installed in the trench at the depth of the post-remediation groundwater to facilitate the collection of LNAPL present in-board of the perimeter steel sheet pile barrier wall. The installation of the 18-inch pipe was completed under the on-site observation of de maximis, PS&S and NYSDEC field staff, and an as-built survey of

this pipe is included on SES-6 in Appendix A. After completion, the NAPL trench was backfilled with up to three-inch diameter stone in accordance with the NYSDOT Specifications for Coarse Aggregate size designation 4A.

The NAPL collection trench was constructed with a slope that pitches towards two in-line NAPL Extraction/Pumping Stations. Each NAPL Extraction/Pumping Station consists of a six-foot diameter concrete manhole equipped with submersible pumps that can convey LNAPL and associated groundwater to the proposed future NAPL/Groundwater management system.

Nine intermediate recovery wells (RW-1 through RW 9) were installed within the NAPL collection trench and thirty deep recovery wells (DRW-1 through DRW-31) installed immediately upgradient from the NAPL collection trench (refer to SES-4, Appendix A). The intermediate recovery wells were installed as per the RDR to allow for DNAPL recovery, however, one of the intermediate wells was installed at an alternate location (refer to Section 4.6). Intermediate DNAPL recovery wells were installed by B&B Well Drilling, a licensed well driller in the State of New York. Eight of the intermediate recovery wells were installed at pre-determined locations along the NAPL collection trench where an 18-inch sump was excavated during remedial construction activities. The remaining intermediate recovery well (RW-4) was installed at a low point observed in the trench during construction activities. Intermediate recovery wells were constructed of six-inch diameter stainless steel screen (0.050-inch slot) from the bottom of the sump to three feet below the top of the gravel in the trench. Each shallow recovery well was finished flush to final grade with a 6-inch diameter stainless steel riser. Shallow recovery wells were constructed off-site by the manufacturer (Johnson Screens) and delivered to the Site for installation by B&B Well Drilling. A 10-inch protective manhole was installed around each shallow recovery well. Installation logs for the intermediate DNAPL recovery wells construction are included in Appendix J.

Thirty deep DNAPL recovery wells, installed upgradient from the trench, include a four-foot sump constructed of six-inch diameter schedule 40 solid PVC riser set between Elevation -24 feet and -20 feet (NAVD88). The deep recovery wells were installed as per the RDR to allow for DNAPL recovery, however, one of the deep wells was installed at an alternate location (refer to Section 4.6). Deep DNAPL recovery wells were installed by B&B Well Drilling, a licensed well driller in the State of New York. A 15.5-foot section of six-inch diameter schedule 40 PVC well screen (0.030-inch slot) was attached to the top of each sump to facilitate the collection of DNAPL in the deep recovery wells. The elevation of the top of recovery well screen is Elevation -4.5 Feet NAVD88 which corresponds to a depth of two feet below the bottom of the NAPL collection trench. The deep recovery wells were finished to the final site grade with six-inch diameter schedule 40 solid PVC riser. A ten-inch protective manhole was installed around each deep recovery well. Installation logs for the deep DNAPL recovery wells construction are included in Appendix J.

4.18 Ecological Buffer

A 50-foot wide Ecological Buffer Zone was constructed along the northern bank of Coney Island Creek. As required by the RDR and Contract Documents, MGP impacted materials have been removed to restore the Coney Island Creek bank and establish this transition between the Coney Island Creek and the upland portions of the Site. SES completed excavations for the ecological buffer in conjunction with the NAPL collection trench and placed the required geomembrane liner beneath the Ecological Buffer and in the NAPL collection trench in one operation. The depth of the excavations of the ecological buffer varied based upon the materials encountered during excavation, but was never less than the three-foot requirement of the RDR. The thickness of clean fill that was placed to create the Ecological Buffer Zone, varied with the excavation depths, and the bank was contoured as identified on the record of construction drawings SES-3a and SES-4 enclosed in Appendix A. The certified clean fill consists of a minimum of three feet of Sandy Loam planting medium with the addition of 20 percent by volume of composted organic material. The Clean Fill has conformed to the following textural analysis specified for a "Sandy Loam" in accordance with the United States Department of Agriculture (USDA) textural classification chart:

- 45 to 85 percent sand;
- 15 to 55 percent silt plus clay (fines content); and
- 5 percent (minimum) clay.

Composted organic matter was mixed in thoroughly with the clean fill materials prior to placement.

As required by the RDR, SES acquired samples of the Ecological Buffer clean fill for physical and chemical testing. The sampling frequency was every 5,000 tons. The physical samples were submitted to Advance Testing, Campbell Hall, New York and for chemical testing to Waste Stream Technologies, a New York State ELAP laboratory. The results are included in Appendix G, and supported the use of the Ecological Buffer clean fill in compliance with the RDR.

The Ecological Buffer Zone is re-vegetated with appropriate plant species to balance goals of restoring aquatic and terrestrial habitat with aesthetic considerations which support plant life, create habitat for selected bird species and promote additional beneficial uses. Excavated MGP impacted soil was disposed of off-site. Some soil excavated from the northern creek bank that was free of visual indications of MGP related impacted soil was inspected, screened and re-used under the Multi-Component Cap System.

The plant species, required by the RDR and the Contract Documents, were installed at the Ecological Buffer Zone, starting at the intertidal area up towards the uplands:

- Smooth cordgrass (spartina alterniflora);

- Salt meadow cordgrass (Spartina patens);
- Salt marsh aster (Aster tenuifolius);
- Spike grass (Distichlis spicata);
- American beach grass (Ammophila breviligulata);
- Swamp rose mallow (Hibiscus moscheutos);
- Bitter panic grass (Panicum amarum);
- Blue flag iris (Iris versicolor);
- Seaside goldenrod (Solidago sempervirens);
- Groundsel bush (Baccharis halimifolia);
- High tide bush (Iva frutescens);
- Northern bayberry (Myrica pensylvanica);
- Beach plum (Prunus maritime);
- Redtop (Agrostis alba);
- New York aster (Aster novi-belgii);
- Switchgrass (Panicum virgatum);
- Red chokeberry (Aronia arbutifolia);
- Nigra inberry (Ilex glabra nigra);
- Arrowwood viburnum (Viburnum dentatum);
- Shadblow serviceberry (Amelanchier Canadensis);
- American holly (Ilex opaca);
- Eastern redcedar (Juniperus virginiana); and
- Black cherry (Prunus serotina).

The pattern, location and number of installed plants also complied with the RDR. The SES subcontractor, Enviroscapes, Monmouth Junction, NJ performed the installation. The quality, condition and number of the plants were inspected by the SES QC Officer and the PS&S on-site staff.

As indicated in the design, the 500-foot long wooden bulkhead located on the northern bank of the Coney Island Creek was removed. The void space between the remaining portion of the existing wooden bulkhead and the existing perimeter sheet pile barrier wall (installed as part of OU-1) was backfilled with flowable fill (low strength concrete) under observation by PS&S and the NYSDEC resident inspector. Appendix A provides the record of construction drawings (SES-3a, SES-4, and SES-5) of the backfilled area.

A 40-mil HDPE impermeable liner was installed from the NAPL collection trench and extended under the three feet of soil placed for the Ecological Buffer Zone before terminating at the existing sheet pile barrier wall. The HDPE liner was coupled with the existing sheet pile barrier wall utilizing a tremie concrete seal. This HDPE liner system is intended to minimize the potential for the migration of underlying MGP impacted soil to the Ecological Buffer Zone. In addition, the HDPE liner minimizes the potential for rainwater to infiltrate the subsurface and contains NAPL migration.

4.19 Multi-Component Cap

The RDR included a Multi-Component Cap. This Multi-Component Cap consisted of two-feet of low permeability soil overlaid with a six-inch minimum thick topsoil cover to facilitate vegetative growth and underlain by a one-foot minimum thick layer of gravel to facilitate passive venting of vapors that may collect under the cap system. This type of cap was included for the protection of human health and the environment.

In May 2008, a modification to the RDR design was submitted to and approved by NYSDEC (refer to Section 4.6 herein). This modification was necessitated due to the relative unavailability of low permeable soil that complied with the requirements of TAGM 4046. The revised Multi-Component Cap System included an alternative component consisting of a GCL overlain with 20 inches of clean fill material to replace the two feet of low permeability soil included in the RDR. In lieu of the RDR requirement for a tri-layer geotextile (non-woven, woven and non-woven geotextiles) below the GCL, the use of a single layer woven geotextile was also approved by NYSDEC. The GCL and 20 inches of clean fill were then covered with a six-inch minimum thick topsoil layer to facilitate vegetative growth. The GCL was underlain by a one-foot minimum thick layer of gravel to facilitate passive venting of vapors that may collect under the cap system.

A description of the components of the constructed Multi-Component Cap follows below. A construction sequence for the Multi-Component Cap is provided in Section 4.19.4.

4.19.1 Low Permeability Layer

Twenty inches of clean tested imported fill material consisting of tunnel cuttings (Manhattan Mica Schist) obtained from a local tunnel boring project was placed over the GCL to serve as the low permeable layer. The GCL alone exhibits a low permeability of 1×10^{-10} cm/sec. A copy of the manufacturer's information for the GCL is included in Appendix K. The permeability of this GCL meets and exceeds the original RDR specified rate of 1×10^{-5} cm/sec. The dense graded fill over the GCL also serves to slow the infiltration of water and provide a substantial thickness to act as a protective layer. The gray uniform color of the rock cuttings also serves as a demarcation layer during possible future Site operations to alert individuals to use caution as they approach the GCL.

4.19.2 Vapor Gravel Layer (Passive Venting)

A one -foot thick layer of gravel was installed at the base of the Multi-Component Cap (beneath the GCL low permeability layer) to passively manage potential accumulated vapors. The vapor gravel material was a clean coarse aggregate that complied with the RDR for Coarse Aggregate size designation 4A and had the following gradation:

Sieve Size	Percent Passing
3”	100%
2.5”	90% - 100%
1.5”	0% - 20%

Approximately 42,975 tons of 4A gravel was delivered to the Site from sources made up of New York Sand and Stone, EME of New Jersey and NY Dirt Contracting Corporation. Clean fill certificates for New York Sand and Stone and EME of New Jersey are included in Appendix L. Test data for the physical samples of the 4A gravel were acquired every 5,000 tons and the results of these samples are included in Appendix I. A woven geotextile fabric was utilized between two non-woven geotextile fabrics and was installed below the gravel to minimize siltation of the gravel from the soils beneath. A single woven geotextile was installed above the gravel layer to protect the GCL from punctures.

Vapor gravel layer also included the control of potential vapors that may accumulate under the Multi-Component Cap through the use of passive vents. These vents are four-inch diameter polyvinyl chloride (PVC) risers stickups with a screened gooseneck top (as identified on SES-4 in Appendix A) that were installed on a 200-foot center to center spacing and were constructed in accordance with RDR and the CPO.

4.19.3 Topsoil Layer

A six-inch thick topsoil cover was installed at the final ground surface as part of the Multi-Component Cap. Approximately 21,405 tons of topsoil was delivered to the site from EME of NJ. The topsoil facilitates the growth of vegetation. Topsoil at the Site generally complied with the following parameters:

- At least two percent by weight of fine textured stable organic material and no greater than six percent;
- Not less than 20 percent fine textured material (passing the No. 200 sieve) and not more than 15 percent clay;
- pH between 5.5 and 6.5;
- Relatively free of stones and other materials over 1½ inches in diameter, trash, noxious weeds such as nutsedge and quackgrass;
- less than 10 percent gravel by volume; and
- Soluble salts greater than 500 ppm was not used.

Geotechnical testing (grain size analysis) and environmental sampling results are included in Appendix I. The final grading of topsoil and other Site surface features are presented on SES-4 included in Appendix A.

4.19.4 Cap Construction Sequence

After completion of the Coal Tar Source Area excavations, placement of the PDM in the Coal Tar Source Areas and the NAPL trench construction, the construction of the Multi-Component Cap was commenced. The subgrade was first leveled using a GPS-equipped bulldozer and then rolled with a roller compactor to a firm condition. SES began construction of the Cap in the northwest corner of the Site and worked towards the northeast corner. Layers of the Cap were completed for approximate one-acre areas and then that layer was built across the entire site.

Construction of the Cap was started from the bottom up with the placement of the tri-layer geotextile specified in the RDR. Sheets of the tri-layer geotextile were overlapped in accordance with the manufacturer's recommendations. The vapor gravel layer was placed and compacted in six-inch lifts on top of the geotextile with the use of a GPS-equipped bulldozer. The vertical riser portion of the passive vents was then installed into the gravel layer. A single woven geotextile was placed above the gravel layer and trimmed around the passive vent locations. Sheets of the woven geotextile were overlapped in accordance with the manufacturer's recommendations. The GCL sheets were placed above the single woven geotextile and were overlapped in accordance with the GCL manufacturer's recommendations. The GCL was also trimmed around the passive vents. GCL overlaps and the contacts with the passive vents were sealed with powdered bentonite as per the GCL manufacturer's requirements. Tunnel cuttings were placed and compacted in six-inch lifts by a GPS-equipped bulldozer above the GCL and were manually compacted around the passive vent stickups. Stormwater management facilities were installed in conjunction with the tunnel cuttings (refer to Section 4.20 herein).

With one exception, the top soil was placed above the tunnel cuttings throughout the Cap area with a GPS equipped bulldozer and then the gooseneck portions and screens of the passive vents were added to the vent stickups. In the area where the proposed GTS was to be constructed, the top soil layer was not placed.

4.20 Stormwater Management Measures

As part of the Multi-Component Cap construction, the Site was graded in a manner to promote positive surface water run-off to the perimeter drainage swales and minimize the potential for ponding and percolation into the Site. Perimeter drainage swales were installed along the northern and western boundaries of the Site at locations shown on the record of construction drawing SES-4 (refer to Appendix A). As indicated in the RDR and the CPO, five geomembrane (40-mil HDPE) and stone rip rap lined drainage swales were installed along the southern and eastern boundaries of the Site (refer to Appendix A, SES-4). The liner was first placed over the 20 inches of clean fill, described in Section 4.19 herein, and then rip-rap was carefully placed on the liner. The width and length of the swale liners complied with the requirements of the RDR. These five drainage swales

directly discharge to Coney Island Creek. Three scour holes were constructed in Coney Island Creek at CSOs as identified on the Coney Island Creek record of construction drawings and cross-sections (refer to SES-3a through SES-3t, Appendix A). The eastern most scour hole, Scour Hole #3, located at the Shell Road CSO was constructed of stone-filled gabion baskets, a field change with respect to the RDR. This Scour Hole #3 field change was necessitated by the Coney Island Creek geometry at Shell Road, the soft creek sediments, and design flow constraints at the CSO.

4.21 Monitoring Wells and Piezometers

4.21.1 Monitoring Well and Piezometer Abandonment

As a result of the planned remedial excavation and engineering control installation activities for OU-2 and OU-3, existing on-site monitoring wells and piezometers were abandoned by B&B Drilling, a New York certified licensed well driller, in conformance with the New York State Department of Environmental Conservation (NYSDEC) Part 360-2.11 Hydrogeologic Report, Item (a) (8) Monitoring Wells and Piezometers, (vi) Abandonment of Wells. Abandonment activities took place between February 23, 2007 and March 16, 2007. Abandonment records are included in Appendix M. Abandonment activities included filling all existing wells with grout and removing steel manholes and protective outer casing along with well components to at least the depth of excavation surrounding each well.

4.21.2 Monitoring Well and Piezometer Installation

Between May 5, 2008 and July 11, 2008, B&B Well Drilling, Inc. re-installed nineteen monitoring wells (MW-1, MW-2, MW-4, MW-5, MW-6, MW-13 through MW 18, MW-20 and MW-22 through MW-27) and thirteen piezometers (PZ1A/1B through PZ-5A/5B, PZ-6A, PZ-8A and PZ-9A). These nineteen monitoring wells and thirteen piezometers were installed in the location of previously existing wells and piezometers and named with the same identification. The location of the monitoring wells and piezometers is identified on Sheet SES-4 (refer to Appendix A).

Not all of the previous wells and piezometers were re-installed. Table 4-4 presents the rationale for deciding which wells and piezometers were replaced. Table 4-4 was informally approved by NYSDEC in May 2008 and these wells were installed.

TABLE 4-4: DISPOSITION of EXISTING MONITORING INSTRUMENTS National Grid Former Brooklyn Borough Gas Works OU-2 and OU-3 Remedial Action Report	
Monitoring Well(MW) or Piezometer(PZ)	**Recommended Disposition**
PZ 2A/2B	Stay; needed for leak detection of sheeting. Also no problems with the proposed New York City Department of Sanitation (NYCDOS) Garage, planned for the remediated Site
MW 5	Stay; needed for GW monitoring. Also no problems with DOS Garage
XW 1	**Delete**; area coverage provided by adjacent MW 1
MW 1	Stay; will require flush mount installation due to its location in proposed DOS Garage access road
PZ 3A/3B	Stay; needed for leak detection of sheeting. Also no problems with proposed DOS Garage
MW 18	Stay; needed for GW monitoring. Also no problems with DOS Garage
PZ 4A/4B	Stay; needed for leak detection of sheeting. Also no problems with proposed DOS Garage
PZ 5A/5B	Stay; needed for leak detection of sheeting. Also no problems with proposed DOS Garage
MW 22	Stay; needed for GW monitoring. Will require coordination with proposed WTP outfall line.
PZ 6A	Stay; needed for leak detection of sheeting
MW 20	Stay; needed for GW monitoring. Also no problems with DOS Garage
MW 6	Stay; needed for GW monitoring. Also no problems with DOS Garage
MW 13	Stay; needed for GW monitoring. Will require shifted location east of drainage swale
MW 7	**Delete**; conflicts with DOS garage building
MW 2	Stay; needed for GW monitoring. Also no problems with DOS Garage
DW 2	**Delete**; coverage is provided by the adjacent MW 2
MW 21	**Delete**; coverage is provided by the adjacent new MW 26
PZ 1A/1B	Stay; needed for leak detection of sheeting. Will require shifted location east of drainage swale
XW 2	**Delete**; conflicts with DOS garage building
MW 14	Stay; needed for GW monitoring. Will require shifted location east of drainage swale
MW 3	**Delete**; conflicts with DOS garage building
DW 3	**Delete**; conflicts with DOS garage building
MW 17	Stay; needed for GW monitoring. Also no problems with DOS Garage
XW 3	**Delete**; coverage is provided by the adjacent new MW 23
XW 4	**Delete**; coverage is provided by the adjacent new MW 23
PZ 10A	**Delete**; coverage is provided by the adjacent new MW 23

TABLE 4-4: DISPOSITION of EXISTING MONITORING INSTRUMENTS National Grid Former Brooklyn Borough Gas Works OU-2 and OU-3 Remedial Action Report	
Monitoring Well(MW) or Piezometer(PZ)	**Recommended Disposition**
MW 4	Stay; needed for GW monitoring. Also no problems with DOS Garage
DW 4	**Delete**; coverage is provided by the adjacent MW 4
MW 15	Stay; needed for GW monitoring. Also no problems with DOS Garage
MW 16	Stay; needed for GW monitoring. Also no problems with DOS Garage
PZ 7A	**Delete**; coverage is provided by the adjacent new MW 25
MW 8	Stay; needed for GW monitoring. Will require a shifted location to the southeast to avoid a drainage swale.
XW 5	**Delete**; conflicts with NAPL collection trench and new DNAPL recovery wells
XW 6	**Delete**; conflicts with NAPL collection trench and new DNAPL recovery wells
XW 7	**Delete**; conflicts with NAPL collection trench and new DNAPL recovery wells
XW 8	**Delete**; conflicts with NAPL collection trench, new DNAPL recovery wells and drainage swale
XW 14	**Delete**; conflicts with NAPL collection trench, new DNAPL recovery wells and drainage swale
IW 4	**Delete**; IW wells are large diameter wells not intended for monitoring. Also conflicts with NAPL collection trench, new DNAPL recovery wells and drainage swale
XW 15	**Delete**; conflicts with NAPL collection trench
IW 3	**Delete**; IW wells are large diameter wells not intended for monitoring. Also, coverage provided by adjacent PZ 9A
IW 2	**Delete**; IW wells are large diameter wells not intended for monitoring. Also, coverage provided by adjacent PZ 9A
MW-IW 2	**Delete**; IW wells are large diameter wells not intended for monitoring. Also, coverage provided by adjacent PZ 9A
IW 1	**Delete**; IW wells are large diameter wells not intended for monitoring. Also, coverage provided by adjacent PZ 9A
PZ 9A	Stay; needed for leak detection of sheeting. Can also be used as monitoring well
XW 10	**Delete**; coverage is provided by the adjacent new MW 24
XW 9	**Delete**; coverage is provided by the adjacent new MW 24
MW 9	Stay; needed for GW monitoring. Also no problems with DOS Garage
MW 10	Stay; needed for GW monitoring. Also no problems with DOS Garage
PZ 8A	Stay; needed for leak detection of sheeting.
XW 11	**Delete**; conflicts with drainage swale
XW 12	**Delete**; conflicts with drainage swale
XW 13	**Delete**; conflicts with drainage swale

Monitoring wells and piezometers were constructed of varying lengths of 2-inch or 4-inch schedule 40 PVC well screen and solid riser. Monitoring wells and piezometers were finished with a filter pack consisting of #2 sand, followed by a minimum 1-foot thick bentonite seal. The bentonite seal is located beneath the Site cap to isolate surface water infiltration into the well. Grout was used to seal the well up to finish grade. Monitoring well and piezometer construction logs are included in Appendix J.

4.22 Equipment Decontamination and Demobilization

Equipment decontamination occurred as machinery and equipment was removed from the exclusion zone and was prepared for offsite demobilization.

Decontamination included the removal of contaminated soil and debris and other miscellaneous materials from construction equipment and tools utilized within the Exclusion Zone. Physical/mechanical agitation (scraping with hand tools) of soil was utilized as the first step to minimize wastewater generation. Then a high-pressure low volume pressure washer was utilized to complete the decontamination process.

Safety and environmental procedures were followed, and decontamination water was collected and disposed of off-site at an approved facility. Appendix D contains a summary of the volumes, locations and bills of lading for the disposal of decontamination water.

5.0 SITE RESTORATION

As presented in the RDR documents previously approved by NYSDEC, the Site has not been restored to previously existing conditions. Rather as part of the remedial activities, the final site surface was regraded and sloped to improve and control site drainage and capped to eliminate potential exposure to remaining subsurface contamination. The project record of construction drawings, included as Appendix A, identify the completed site remediation activities. Site restoration activities are summarized below.

A. Abandonment of Existing Monitoring Wells: As discussed in Section 4.21.1, the existing on-site monitoring wells and piezometers were abandoned to facilitate remedial construction. Most of these existing groundwater monitoring wells and piezometers were reinstalled plus additional monitoring wells and recovery wells were installed as discussed in Section 4.21.2. Well abandonment records are provided in Appendix M. Record of installation logs and locations of monitoring wells, piezometers and recovery wells are included in Appendices A and J, respectively.

B. Imported Backfill Material Documentation: As discussed in Section 4.16, 4.18 and 4.19, imported backfill materials were delivered to the Site with the required clean fill material certifications. Appendix L provides a copy of the clean fill certifications and geotechnical plus environmental quality tests were collected and enclosed as Appendix G. PS&S understands that NYSDEC provided the Construction Manager with verbal approval of the imported backfill material supplies.

C. Utilities: The electric utility line disturbed during the remediation activities was restored to full use (see SES-9 in Appendix A for location). Water service to the Site remains available at the water meter connection outside of the west entrance gate to the Site (refer to SES-4 in Appendix A for location).

D. Site Fence: After completion of remediation activities, the Site fence (six foot high chain link fence) was installed, along with new gates along Coney Island Creek, around the complete perimeter of the Site. The location of this fence is included in Appendix A.

E. Removal of Debris and Cleaning of Creek Banks: After the Coney Island Creek dredge activities were completed and Site Cap system installation was completed, the remediation contractor conducted a site-wide and Coney Island Creek wide housekeeping program. Visual debris, waste and excess construction materials were collected and disposed off-site as part of this September 2008 housekeeping program.

F. Site Regrading and Multi-Component Cap Construction: After the remediation excavation and backfill activities were completed, the Site was regraded to allow for positive surface water run-off. The multi-component cap was constructed from April 2008 through September 2008 and was stabilized with a hydroseed and mulch application in September 2008.

G. Stormwater Management Measures: Stormwater management measures (i.e., drainage swales, scour holes, lined stone rip rap drainage swales and outlets, and drainage piping) were installed at the Site after the Multi-Component Cap was installed. The swales and scour holes were designed and constructed to prevent erosion of Coney Island Creek at the outfall locations.

6.0 RECORD OF CONSTRUCTION DRAWINGS AND SURVEYS

National Grid's remediation contractor, SES, prepared record of construction drawings and surveys to document the completed OU-2, and OU-3 remedial actions at the Site. Table 6-1 lists the record of construction drawings which are included in Appendix A. Electronic copies of the Record of Construction Drawings are included as ".pdf" electronic files and have been named in conformance with NYSDEC Requirements for Submittal of Electronic Documents.

TABLE 6-1: RECORD OF CONSTRUCTION DRAWINGS
NATIONAL GRID
FORMER BROOKLYN BOROUGH GAS WORKS
OU-2 AND OU-3 REMEDIAL ACTION REPORT

Plan	Plan Description	Data
SES-1	Horizontal and Vertical Limit of Hot Spot Area Excavation Plan	November 20, 2008
-	40-Foot by 40-Foot Grid Layout	-
SES-2a	Pre-Excavations Conditions of Coney Island Creek	November 5, 2008
SES-2b	Final Coney Island Creek Dredge Excavation Plan	November 5, 2008
SES-3a	Final Coney Island Creek Backfill Excavation Plan	November 5, 2008
SES-3b through SES-3t	Coney Island Creek Cross Sections Stations -0+25 thru 22+43	November 5, 2008
SES-4	Final Cover System Grading Plan	October 29, 2008
SES-5	Final Top of GCL Grade Plan	October 27, 2008
SES-6	NAPL Trench Profile	November 15, 2008
SES-7	Final Top of Low Permeable Soil (Tunnel Cutting) Grade Plan	October 29, 2008
SES-8	Final Subgrade Plan	October 24, 2008
SES-9	Location and Elevation of Abandoned Pipes, Relief Holders and Other Below Grade Structures	November 4, 2008

The pre-construction conditions survey conducted prior to the OU-1 through OU-3 remedial actions is included as Plan C-02, Existing Conditions Plan, dated January 2006, Revision 1 – March 2006 included in the 100% RDR Submission to NYSDEC. The pre-construction conditions survey for the Coney Island Creek is included as Plan SES-2a.

Record of construction "as-built" or "as-excavated" information for the OU-1 (top of barrier wall elevations) and OU-2/OU-3 remedial actions is identified on plans SES-2b through SES-9.

7.0 WASTE MATERIAL HANDLING AND DISPOSAL

A summary of the contaminated water volumes managed during the OU-2 and OU-3 remedial actions is provided herein in Section 7.4, Contaminated Water. Appendix G provides the results of samples acquired from the temporary treatment plant and from holding tank liquids sent to Clean Water of New York.

The Coal Tar Source materials were transported off-site to one of five disposal (destruction) facilities. These facilities were licensed to accept and treat the remedial excavation derived wastes. Transportation and disposal activities were coordinated by SES and the Construction Manager, de maximis, inc. Over-the-road truck transport vehicles were decontaminated at designated on-site areas prior to off-site disposal.

Over-the-road waste-hauling vehicles were inspected by SES and de maximis, inc. Prior to loading and any vehicles that appeared to be in an unacceptable condition were not loaded and rejected from the Site. Over-the-road waste-hauling vehicles (transport vehicles) were inspected for the required and appropriate placards, vehicle and driver identifications, insurance information, and the required over-the-road transport permits for each state proposed for travel. In addition, over-the-road waste hauling (transport) vehicles were inspected, decontaminated, covered, and placarded prior to offsite transport and disposal.

Prior to the excavation of coal tar source materials, SES worked in conjunction with the selected disposal facilities to develop a profile for the anticipated waste streams. This profile was developed so that soils proposed for excavation would be classified prior to their removal and off-site disposal. In-place samples of the Coal Tar Source area were collected by SES prior to excavation and were submitted for analyses to Waste Stream technology, Inc., Buffalo, New York, an ELAP certified laboratory. Based on analytical results, coal tar source materials excavated during the OU-2 and OU-3 remedial actions were characterized as non-hazardous waste and disposed of at one of the four disposal facilities summarized in Section 7.1, Coal Tar Source Materials. Coal tar source materials transported and disposed of at the Casie of Vineland, New Jersey facility were characterized as hazardous materials or non-hazardous based on the specific load and waste characterization results.

As summarized herein in Sections 7.1 through 7.5, excavated materials, construction debris, and impacted water were disposed of off-site. Summary tables prepared by SES and verified by de maximis, inc. of the disposal manifests and certificates of destruction are included in electronic format on a compact disk enclosed in Appendix D. The non-hazardous waste disposal manifests summary table (refer to Appendix D) identifies the disposal facility's manifest number, the date the load was transported off-site, the tonnage transported and disposed of off-site under each manifest, and the certificate of destruction and date for each load.

7.1 Coal Tar Source Materials

As a result of coal tar source excavations completed at the locations indicated on SES-1 in Appendix A, a total of 88,708.62 tons of coal tar source materials and impacted soils

were transported and disposed of off-site at one of the following five approved and licensed disposal facilities:

- ESMI-NJ = 762 loads for 19,953.66 tons;
- Clean Earth of New Castle = 37 loads for 831.73 tons ;
- Clean Earth of Southeast PA = 1302 loads for 29,032.47 tons;
- Clean Earth of Philadelphia = 1588 loads for 35,289.69 tons; and,
- Casie of Vineland NJ = 216 loads for 3,601.07tons (elevated lead and/or benzene impacted soils reported to be either hazardous and non-hazardous materials were transported to and disposed of at this facility).

The Certificate of Destruction documents (refer to Appendix D) reported that the disposal facility thermally treated each load of coal tar source materials and impacted soils.

7.2 Construction Rubble/Creek Debris

A total of 624 loads for 12,153.22 tons of construction rubble and oversized Coney Island Creek debris was transported to and disposed off-site at the Tully Town/Grows Facility in Morrisville, Pennsylvania. These waste materials resulted from on-site excavations and from the removal of debris from Coney Island Creek dredged materials.

7.3 MTA Debris Pile

A planned activity of the RDR was the removal of the on-site MTA stockpile. This activity resulted in a total of 165 loads or 3,492.67 tons of debris which was transported to and disposed off-site at the Tully Town/Grows Facility in Morrisville, Pennsylvania.

7.4 Contaminated Water

From December 2007 through April 2008, 766,852 gallons (131 truck loads) of impacted water was collected, transported and disposed of off-site at Clean Waters of New York. The impacted water was from the construction dewatering of various on-site Coal Tar Source Area and NAPL Collection Trench excavations.

From March 2007 through December 2007, approximately 1,285,672 gallons of impacted water was treated on-site at the temporary water treatment plant installed in accordance with the CPO, tested and discharged to Coney Island Creek.

7.5 Well Abandonment NAPL

One 55-gallon drum of well abandonment purge water was transported off-site and disposed at the Clean Harbors of New York facility located in Staten Island, New York.

8.0 SITE MANAGEMENT PLAN

During implementation of the remedial work described in the RDR, RODs and in this FER, some contamination, hereafter referred to as "Remaining Contamination" was left in the subsurface at this Site. A Site Management Plan (SMP) has been prepared to manage Remaining Contamination at the Site for a period of at least thirty years after completion of remediation or such other period as determined by NYSDEC. The SMP was prepared by PS&S, on behalf of National Grid, in accordance with the requirements in NYSDEC DER-10, Technical Guidance for Site Investigation and Remediation, dated December 2002, and the SMP guidelines provided by NYSDEC. An electronic copy of the SMP is enclosed as Appendix N.

As part of this FER and the SMP, an Environmental Easement (EE) (refer to Appendix O) in accordance with ECL Article 71, Title 36 is required and a copy of the information that will be used by NYSDEC to prepare the EE. Once prepared by NYSDEC, an EE will be granted by National Grid (the Grantor) to NYSDEC, and recorded with the Kings County Clerk. The EE provides an enforceable legal instrument to ensure compliance with the SMP and the Institutional Controls (ICs) and Engineering Controls (ECs) established for the Site. This document also requires the approval of NYSDEC for any future disturbances or modifications to the ECs and ICs at the Site.

The ECs and ICs that have been incorporated into the Site remedy, provide for the proper management of Remaining Contamination in the future, and protect public health and the environment. The ICs place restrictions on Site use, and mandate operation, maintenance, monitoring and reporting measures for all ECs and ICs.

The SMP provides a detailed description of procedures to manage Remaining Contamination at the Site after completion of the Remedial Action, including: (1) implementation and management of Engineering and Institutional Controls; (2) media monitoring and reporting; (3) operation and maintenance of treatment, collection, containment, or recovery systems; (4) performance of periodic inspections, certification of results, and submittal of Periodic Review Reports; and (5) defining criteria for termination of treatment system operations. Further, the SMP may only be revised with the approval of the NYSDEC.

To address these needs, the SMP includes four plans: (1) an Engineering and Institutional Control Plan for implementation and management of EC/ICs; (2) a Monitoring Plan for implementation of Site Monitoring; (3) an Operation and Maintenance Plan for implementation of remedial collection, containment, treatment, and recovery systems (including, where appropriate, preparation of an Operation and Maintenance Manual for complex systems); and (4) a Site Management Reporting Plan for submittal of data, information, recommendations, and certifications to NYSDEC.

In March 2013, PS&S revised the SMP to remove the references to the GTS and the associated GTS operation and maintenance requirements.

9.0 OPERATION, MAINTENANCE AND MONITORING PLAN

Detailed descriptions of the Post-Remediation Site engineering controls operation, maintenance and monitoring requirements are presented in the SMP enclosed in Appendix N.

10.0 CONCLUSIONS

The OU-1 remedial construction activities were implemented in accordance with the Revised Draft Final Remedial Design Report for OU-1 dated July 2003. The remedial construction activities were implemented in accordance with the RDR for h OU-2 and OU-3 dated July 2006, prepared by PS&S and approved by NYSDEC in August 2006. The goals and objectives for the remediation of OU-1, OU-2, and OU-3 established in the RDR are as described in the March 2001 and 2002 RODs. The overall goal for the completed remedial construction is to restore the Site and section of Coney Island Creek adjacent to the Site to pre-disposal conditions, to the extent feasible and authorized by law, with the minimum remedial objective being to eliminate or mitigate, through the proper application of scientific and engineering principles, all significant threats to the public health and to the environment presented by the hazardous waste present at the Site.

The OU-1 remedial action (i.e., the steel sheet pile barrier wall and accompanying piezometers) was installed in general accordance with the design drawings and specifications with the exception of the approved change in sheeting materials and wall alignment revisions noted in Section 4.7 of the OU-1 RAR. The short term function of this barrier wall is to mitigate NAPL seepage into Coney Island Creek and to serve as shoring during future creek dredging operations and upland area source excavation. Accordingly, it is the opinion of PS&S that the installed sheet pile barrier wall will satisfy this function in conformance with the initial phase of the remedial measures selected in the March 2001 Record of Decision for OU-1 issued by the NYSDEC. The piezometers will provide a method for monitoring the performance of the barrier wall system and future remedial activities.

In addition, the goals and objectives for the OU-2 and OU-3 remedial construction were accomplished, and conclusions for the OU-2 and OU-3 remedial activities are listed below.

- A total of 97,541 tons of contaminated sediments were dredged as per plan and approved changes to a minimum of three feet of across the entire length and width of Creek adjacent to the Site effectively eliminating to the extent practicable, human, fish and wildlife exposures to MGP-related contaminants present in the Coney Island Creek surface water and sediment;

- The dredged creek sediments were amended on-site with cement and beneficially reused as 111,592 tons of backfill beneath the site-wide Multi-Component Cap system as per the plan and approved changes;

- The dredged section of Coney Island Creek was capped as per plan and approved changes with a minimum of three feet of sediment-quality clean materials, effectively eliminating to the extent practicable human, fish and wildlife exposures to MGP-related contaminants in Coney Island Creek sediments and surface water;

- A 50-foot wide ecological buffer zone was constructed consistent with the RDR along the Coney Island Creek bank adjacent to the Site by the removal of impacted soil and an

existing wooden bulkhead, and the placement of 27,372 tons of ecological buffer backfill, effectively eliminating, to the extent practicable, human, fish and wildlife exposures to MGP-related contaminants present in the Coney Island Creek bank soils, surface water and sediment;

- Off-site migration of contaminants of potential concern from the Site, as groundwater and as NAPL into Coney Island Creek have been eliminated, to the extent practicable, through the construction of a NAPL Collection Trench along the interior of the ecological buffer and the installation of DNAPL recovery wells as per plan and approved changes for OU-3. After a 12-month period, from March 2010 through March 2011, of NAPL observations recorded by National Grid and de maximis, inc. demonstrated the absence of non-aqueous phase waste in the perimeter NAPL collection system, National Grid submitted a request to NYSDEC to terminate the trial NAPL pumping program and remove equipment effective March 31, 2011. On April 14, 2011, NYSDEC approved the removal of the Trial NAPL Trench Pumping Equipment (refer to Appendix Q). Further, NYSDEC issued an Explanation of Significant Difference dated February, 2012 (refer to Appendix R) that documented the construction of the on-site treatment system has been deleted from the remedy. In summary, the on-site GTS requirement was eliminated by NYSDEC based on the results of a 12- month trial NAPL pumping program;

- Human exposures to contaminants have been eliminated, to the extent practicable, through the excavation and off-site disposal of 88,708 tons of Coal Tar Source Area material, and the construction of a multi-component cap with passive vents installed as per plan and approved changes;

- In accordance with the RDR and approved changes, coal tar source areas were effectively eliminated site wide to approximately one foot below the groundwater table by the excavation of 88,708 tons of source materials and off-site disposal of these materials at the ESMI-NJ, Clean Earth of New Castle, Clean Earth of Southeast PA, Clean Earth of Philadelphia and Casie of Vineland NJ licensed disposal facilities;

- Air emissions and odors were controlled as per plan during the remedial activities through use of a temporary enclosure equipped with a vapor management system to store and process dredged sediments and the use of foam and plastic sheeting for odor control during trenching and excavation activities;

- A CAMP was implemented during construction and based upon a review of the monitoring data, nearby receptors were not affected by construction operations. Also, based on the results of vibration and settlement monitoring activities that were conducted during construction, no adverse vibrations or excessive settlements occurred as result of the remediation activities; and

- Potential human exposures to remaining MGP-related contaminants through exposure to Site soils, surface water and sediments and the consumption of contaminated fish are eliminated to the extent practicable through the implementation of the Site Management Plan and adoption of an Environmental Easement to restrict future Site activities,

maintaining the site fenced and secure to restrict access, and by undertaking a long term monitoring program of on-site engineering controls, Site groundwater, and the Coney Island Creek sediment and surface water adjacent to the Site to monitor the completed remedial construction.



Legend

Site Boundary

Note:
Direction of view is northwest.

Source:
Boundary digitized from aerial photograph, flown on 11/09/08, and is approximate.

PS&S
integrating design & engineering
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CONEY ISLAND
FORMER MANUFACTURED
GAS PLANT
KINGS COUNTY, NEW YORK

MAP OF SITE
AND SITE BOUNDARIES

Dm By: JA	Scale: N.T.S.	Project: 02522.015.044
Ch'kd By: JP	Date: 03/10/09	Figure No. : 1

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Department of Environmental Conservation

Division of Environmental Remediation

Record of Decision

Operable Unit 2 - Coney Island Creek

Former Brooklyn Borough Gas Works Site

Coney Island, Kings County, New York

Site No. 2-24-026

March 2002

New York State Department of Environmental Conservation
GEORGE E. PATAKI, *Governor* Erin M. Crotty, *Commissioner*

DECLARATION STATEMENT - RECORD OF DECISION

Former Brooklyn Borough Gas Works Site
Operable Unit 2 - Coney Island Creek
Site No. 2-24-026

Statement of Purpose and Basis

The Record of Decision (ROD) presents the selected remedy for the Former Brooklyn Borough Gas Works Site Operable Unit 2, a class 2 inactive hazardous waste disposal site which was chosen in accordance with the New York State Environmental Conservation Law. The remedial program selected is not inconsistent with the National Oil and Hazardous Substances Pollution Contingency Plan of March 8, 1990 (40CFR300).

This decision is based on the Administrative Record of the New York State Department of Environmental Conservation (NYSDEC) for the Former Brooklyn Borough Gas Works Site Operable Unit 2 and consideration of public input to the Proposed Remedial Action Plan (PRAP) presented by the NYSDEC. A listing of the documents included as a part of the Administrative Record is included in Appendix B of the ROD.

Assessment of the Site

Actual or threatened release of hazardous waste constituents from this site, if not addressed by implementing the response action selected in this ROD, presents a current or potential significant threat to public health and the environment.

Description of Selected Remedy

Based on the results of the Remedial Investigation/Feasibility Study (RI/FS) for the Former Brooklyn Borough Gas Works Site Operable Unit (OU) 2 and the criteria identified for evaluation of alternatives, the NYSDEC has selected removal of the upper level of sediments in the study area of the Creek and replacement with clean sediment quality material. The components of the remedy are as follows:

- The top three feet of contaminated sediments across the entire length and width of the OU 2 reach of the Creek adjacent to the site will be excavated and dewatered for off-site treatment/disposal or placement under the cap system, as provided for by the ROD for OU 1. An estimated 34,000 cubic yards of impacted sediment will be removed;

- The areas excavated will be capped with up to three feet of sediment-quality material, such as sand and/or silty-sand material. The cap will include a filter fabric or geotextile between any residual contaminated sediment and clean materials placed;

- Restoration of the Coney Island Creek bank along the OU1 site to remove contaminated materials and to provide a 50-foot wide ecological buffer zone, consistent with the requirements already established in the OU 1 ROD; and

- A long term monitoring program will be implemented to assure the effectiveness of the proposed remedy including the three foot cap system. As part of the monitoring, Keyspan will collect both sediment and surface water samples for laboratory analysis, perform a bathymetric survey and conduct modeling.

New York State Department of Health Acceptance

The New York State Department of Health concurs with the remedy selected for this site as being protective of human health.

Declaration

The selected remedy is protective of human health and the environment, complies with State and Federal requirements that are legally applicable or relevant and appropriate to the remedial action to the extent practicable, and is cost effective. This remedy utilizes permanent solutions and alternative treatment or resource recovery technologies, to the maximum extent practicable, and satisfies the preference for remedies that reduce toxicity, mobility, or volume as a principal element.

_____ _____

Date

Michael J. O'Toole, Jr., Director
Division of Environmental Remediation

TABLE OF CONTENTS

SECTION **PAGE**

1: Summary of the Record of Decision 1

2: Site Location and Description 2

3: Site History 3

3.1 Operational/Disposal History 3
3.2 Remedial History 3

4: Site Contamination 3

4.1 Summary of Remedial Investigation 4
4.2 Interim Remedial Measures 7
4.3 Summary of Human Exposure Pathways 7
4.4 Summary of Environmental Exposure Pathways 8

5: Enforcement Status 8

6: Summary of the Remediation Goals 8

7: Summary of the Evaluation of Alternatives 9

7.1 Description of Remedial Alternatives 10
7.2 Evaluation of Remedial Alternatives 12

8: Summary of the Selected Remedy 15

9: Highlights of Community Participation 18

Tables - Table 1 Nature and Extent of Contamination 19
Table 2 Remedial Alternative Costs 20

Figures - Figure 1: Site Location Map 21
- Figure 2: Site Plan 22
- Figure 3: Alternative 3 23
- Figure 4: Alternative 4 24

Appendix - Appendix A: Responsiveness Summary 25
- Appendix B: Administrative Record 36

RECORD OF DECISION

FORMER BROOKLYN BOROUGH GAS WORKS SITE
Operable Unit 2 - Coney Island Creek
Kings County, New York
Site No. 2-24-026

March 2002

SECTION 1: SUMMARY OF THE RECORD OF DECISION

The New York State Department of Environmental Conservation (NYSDEC) in consultation with the New York State Department of Health (NYSDOH) has selected a remedy to address the significant threats to human health and the environment created by the presence of hazardous waste at the study area of the Coney Island Creek (see Figure 2) referred to as Operable Unit (OU) 2 of the former Brooklyn Borough Gas Works Site. The Study area of the Coney Island Creek is a portion of the Creek adjacent to the former Brooklyn Borough Gas Works which is a class 2 inactive hazardous waste disposal site. Contamination at the former Brooklyn Borough Gas Works site (designated Operable Unit 1) was addressed by a Record of Decision (ROD) issued by NYSDEC in March 2001, which will require remediation of the site as detailed in the ROD

As more fully described in Sections 3 and 4 of this document, the operation of a manufactured gas plant (MGP) at the former Brooklyn Borough Gas Works Site resulted in the Creek contamination by a number of hazardous wastes including coal tar, benzene, toluene, ethylbenzene, xylene, polycyclic aromatic hydrocarbons, and non-aqueous phase liquid. These contaminants from the former were released or have migrated from the site into Coney Island Creek, resulting in surface water and sediment contamination above standards, criteria, and guidance values (SCGs). These operations have resulted in the following significant threats to the public health and the environment:

- Adverse acute or chronic effect to fish, shellfish, crustacea and other wildlife; and

- Potential human exposures to site-related contaminants through contact with contaminated surface water and sediments and/or the consumption of contaminated fish from the creek.

To restore Coney Island Creek to predisposal conditions to the extent feasible and authorized by law, but at a minimum to eliminate or mitigate significant threats to the human health and the environment caused by site-related contaminants in the Creek, and to prevent potential future exposures to the public, the NYSDEC has selected the following remedy for OU 2 of the Brooklyn Borough Gas Works Site:

- The top three feet of contaminated sediments across the entire length and width of the OU 2 reach of the Creek adjacent to the site will be excavated and dewatered for off-site treatment/disposal or placement under the cap system, as provided for by the ROD for OU 1. An estimated 34,000 cubic yards of impacted sediment will be removed;

- The areas excavated will be capped with up to three feet of sediment-quality material, such as sand and/or silty-sand material. The cap will include a filter fabric or geotextile between any residual contaminated sediment and clean materials placed;

- Restoration of the Coney Island Creek bank along the OU1 site to remove contaminated materials and to provide a 50-foot wide ecological buffer zone, consistent with the requirements already established in the OU 1 ROD; and

- A long term monitoring program will be implemented to assure the effectiveness of the proposed remedy including the three foot cap system. As part of the monitoring, Keyspan will collect both sediment and surface water samples for laboratory analysis, perform a bathymetric survey and conduct modeling.

The selected remedy, discussed in detail in Section 8 of this document, is intended to attain the remediation goals selected for this operable unit in Section 6, in conformance with applicable SCGs and with 6 NYCRR Part 375.

SECTION 2: SITE LOCATION AND DESCRIPTION

The Former Brooklyn Borough Gas Works site, is a Class 2 site on the New York State Registry of Inactive Hazardous Waste Disposal Sites. The site is located in the Borough of Brooklyn, Kings County, New York (see Figure 1), in Coney Island. The site is bordered to the north by Shore Parkway, to the west by the New York Metropolitan Transit Authority (MTA) rail lines and to the south and east by Coney Island Creek. Coney Island Creek, which is the focus of this PRAP originates from the City of New York storm sewer near Shell Road, just east of the former MGP site. The Creek, which receives most of its water from the City of New York's combined storm sewer discharge flows into Gravesend Bay which in turn empties into New York Harbor and the Atlantic Ocean. The Creek is a brackish tidal creek and the existing site shoreline consists of fill materials, riprap and deteriorated wooden or concrete bulkheads. The shoreline is generally a steep-slope, with only sparse vegetative cover.

The former MGP site is approximately 16.4 acres in size. While Coney Island Creek is approximately 1.6 miles long, the stretch of the Creek of concern for this PRAP is about a third of a mile long starting at the Creek point of origin. The area surrounding the site is a relatively flat, densely populated commercial/residential neighborhood.

An operable unit (OU) represents a portion of a site that, for technical or administrative reasons, a remedy can be addressed separately to eliminate or mitigate a release, a threat of release, or an exposure pathway resulting from site contamination. Operable Unit 2, which is the subject of this PRAP, consists of the investigation and restoration of Coney Island Creek, which is adjacent to the former MGP parcel. Operable Unit 1 of this site, the former MGP parcel, was addressed by a ROD

issued in March 2001. The OU 1 remedy called for excavation and removal of approximately 22,000 cubic yards of coal tar from source areas, installation of a cap system and provision of subsurface barrier walls to prevent continuing discharge of contaminants to the Coney Island Creek.

SECTION 3: SITE HISTORY

3.1: Operational/Disposal History

An MGP, was a facility where gas for lighting and cooking was produced for distribution to homes, businesses and industries, similar to natural gas today. At an MGP, a gas was produced as a result of the heating of coal (coal gas) and/or from a combination of coal gas, oil and water called the "carbureted water-gas" process. The Brooklyn Borough Gas Works began construction of the first gas generator at this site in 1908.

Release of by-products, such as coal tar, generated from MGP operations, has resulted in the contamination of soil, groundwater and surface water, through a combination of leaks from storage facilities including gas holders and from direct discharge into Coney Island Creek.

In 1951, the Brooklyn Borough Gas Works transformed its gas delivery operations to a natural gas-based system. Between 1952 and 1959, the Brooklyn Borough Gas Company operated the MGP for the purpose of maintaining gas supplies during periods of high customer demand. By 1966, the facility had been decommissioned while the remaining gas storage facility was completely demolished in 1981.

3.2: Remedial History

In 1994, Brooklyn Union Gas Company, a successor of the original operator, undertook the following remedial action at the site to mitigate the effect of MGP-related contaminants on public health and the environment: 1) installation of on-site non aqueous phase liquid (NAPL) recovery wells; 2) installation of booms in Coney Island Creek to control the spread of NAPL reaching Creek from the former MGP parcel; and 3) installation of a light non aqueous phase liquid (LNAPL) skimmer and collection system.

In compliance with its obligations under a NYSDEC Consent Order, Index No. D2-001-94-12 issued in May 1995, the Brooklyn Union Gas Company (a subsidiary of KeySpan Energy) performed supplemental remedial investigations in 1996 and 1997 to characterize the nature and extent of contamination resulting from manufactured gas operations. In 1997, additional remedial measures were conducted at the site as discussed in Section 4.2 below.

SECTION 4: SITE CONTAMINATION

To evaluate the contamination present in the Coney Island Creek and to evaluate alternatives to address the significant threat to human health and the environment posed by the presence of hazardous waste, KeySpan Energy, the parent company of the Brooklyn Union Gas Company, has

recently completed a Remedial Investigation/Feasibility Study of the upper reach of the Coney Island Creek.

4.1: Summary of the Remedial Investigation

The purpose of the Remedial Investigation (RI) was to define the nature and extent of any contamination resulting from previous activities at the MGP site.

The RI included the following activities:

- Placement of borings in the bottom of the Creek to define the extent of contamination;
- Sampling and analysis of the sediment and surface water to determine the nature and distribution of contamination; and
- Assessment of habitat including fish and benthic community survey.

The field investigation was conducted in the fall of 1999 and a report entitled "Investigation, Risk Assessment, and Engineering Evaluation to Restore the Upper Reach of Coney Island Creek", dated October 2001, has been prepared. This report which is available to the public at the document repositories mentioned previously describes the field activities performed, the findings of the remedial investigation, the results of a risk assessment and an engineering evaluation of possible Coney Island Creek restoration alternatives.

To determine whether the Creek's surface water or sediment contain contamination related to former MGP operations at levels of concern, the analytical data were compared to environmental SCGs. Sediment SCGs are based on the NYSDEC Technical Guidance for Screening Contaminated Sediments, while surface water SCGs are based on the New York State Codes, Rules and Regulations, Title 6, Chapter X, Parts 700-705.

Based on the remedial investigation results, in comparison to the SCGs and potential human and environmental exposure routes, certain areas of Coney Island Creek require remediation. More complete information can be found in the October 2001 "Investigation, Risk Assessment and Engineering Evaluation Report".

Chemical concentrations are reported in parts per billion (ppb) and parts per million (ppm). For comparison purposes, where applicable, SCGs are provided for each medium.

4.1.1 Site Geology and Hydrogeology

Coney Island Creek is approximately 1.6 miles long, emerging from a culvert under Shell Road just east of the site. The Creek is a small tidal creek which flows in a southwesterly direction, then turns and flows in a northwesterly direction to Gravesend Bay which empties into lower New York Bay and, ultimately the Atlantic Ocean.

The shoreline of the Creek has been heavily impacted by development, and is characterized by bulkheads, riprap and debris along most of its length out to Gravesend Bay. Debris from dumping includes shopping carts and vehicle tires. In addition, wooden pilings are exposed in the channel at low tide, particularly near the head of the Creek.

The primary freshwater inflows to the Creek are one combined sewer overflow and six storm water outfalls, all of which discharge into the Creek adjacent to the study area (see Figure 2). Results from the Creek study indicated that the combined sewer overflow, stormwater discharges and dry weather sanitary discharges from the City of New York have significantly impacted the surface water and sediment quality of the Creek.

The upper sediment in Coney Island Creek is a very soft, wet, black organic silt with natural organics and debris. Underlying this unit is a layer of silt or clay with fine sand.

4.1.2 Nature of Contamination

As described in the October 2001 "Investigation, Risk Assessment and Engineering Evaluation Report", many sediment and surface water samples were collected from Coney Island Creek to characterize the nature and extent of contamination. The nature of the contamination found in the upper reach of the Coney Island Creek is summarized in Table 1.

The main categories of contaminants which exceed their SCGs are volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs) and inorganic compounds.

Specific volatile organic compounds of concern in sediment and surface water are benzene, toluene, ethylbenzene and xylenes. In this document, these compounds are referred to collectively as total BTEX and "total BTEX concentrations" is the sum of the concentrations of benzene, toluene, ethylbenzene and xylenes.

Specific PAHs of concern in sediment are the following:

acenaphthene
acenaphthylene
anthracene
benzo(a)anthracene
benzo(a)pyrene
benzo(b)fluoranthene
benzo(g,h,i)perylene
benzo(k)fluoranthene
dibenzo(a,h)anthracene
chrysene
fluoranthene
fluorene
indeno(1,2,3-cd) pyrene
2-methylnaphthalene
naphthalene
phenanthrene
pyrene

In this document, PAH concentrations are referred as either total PAHs (TPAHs) or carcinogenic PAHs (cPAHs). The TPAH concentration is the sum of the concentrations of each (italicized and non-italicized) PAH listed above. The cPAH concentration is the sum of the concentrations of each italicized PAH listed above.

As reported in Section 4.1.3, a dense oily liquid that does not readily dissolve in water is found over a significant areal extent of the Creek sediments. Material such as this is referred to as non-aqueous phase liquid (NAPL). NAPL which is emanating from the OU1 site near the former gas holders to the Creek was found to saturate the unconsolidated deposits in the Creek sediment and in some cases exist in scattered, discontinuous globules. The presence of this NAPL is contributing to concentrations of BTEX and PAHs in the sediment and surface water of the Creek.

4.1.3 Extent of Contamination

Table 1 summarizes the extent of contamination for the contaminants of concern in sediment and surface water, and compares the data with the SCGs for the site. In this section of the PRAP, contaminants in surficial sediments and subsurface sediments are discussed separately. The following subsections summarize the media that were investigated and the findings of the investigation.

Sediments

Surface Sediments: Surface sediments, defined as the uppermost four inches of sediments in Coney Island Creek, are contaminated with various chemical constituents related to the gas manufacturing processes that took place at the site. The highest concentration of MGP-related contaminants including NAPL, was detected at a location south-southwest of the former MGP, near the former gas holders at the site. These areas where grossly NAPL-impacted materials are observed are considered source areas. BTEX compounds were detected in 11 of 30 surface sediment samples, with benzene, toluene, ethylbenzene and xylenes concentrations ranging between 0.0023 and 13 ppm. Individual PAHs were detected at concentrations ranging from 0.13 to 72 ppm in 29 of the 30 samples collected. The maximum concentrations of TPAHs and cPAHs detected in the surface sediment were 120 and 8 ppm respectively.

Twenty-three metals were detected in the surface sediment samples. The highest concentrations of metals, including lead at a concentration of over 2,000 ppm, were detected at sampling locations adjacent to the combined sewer overflow and storm water outfalls and are probably not MGP-related.

Subsurface Sediments: Subsurface sediments are defined as the sediments between 4 inches and 6 to 10 feet below the sediment surface. Individual BTEX constituents were detected in 34 of the 66 subsurface sediments samples collected with concentrations ranging from 0.0006 to 300 ppm, and a maximum total BTEX of 364 ppm. Individual PAHs were detected, at concentrations ranging from 0.036 to 200 ppm, in 74 of 99 samples. The maximum concentration of TPAH detected in the subsurface sediment was 819 ppm. Elevated concentration of PAHs were detected at depth of 6 to 10 feet below the sediment surface in the source areas adjacent to the southwest portion of the former MGP site.

Metals, including arsenic and lead at concentrations ranging from 61 to 3,300 ppm respectively were detected in subsurface sediments.

The results from the remedial investigation indicate that concentrations of metal contaminants tend to decrease with depth and that elevated metal concentrations are generally not in the same sampling

locations and/or depth intervals as total BTEX or total PAH concentrations, which are associated with areas impacted by the MGP. This pattern of distribution for metal contaminations is likely attributable to the presence of the combined sewer overflow and storm water outfalls.

Surface Water

Results from the laboratory analysis of 26 surface water samples indicate total BTEX concentrations ranging up to 6 ppb in the Creek. Concentrations of BTEX compounds were greatest in the northeast portion of Coney Island Creek, at stormwater outfall locations. Sheens are generally observed in the source areas where boom seeps are located adjacent to the former MGP gas holders. No SVOCs, pesticides, or polychlorinated biphenyls (PCBs) were detected in any of the surface water samples.

Sixteen metals were detected, including lead and manganese, with the highest concentration of metal contaminants occurring at stormwater outfall locations and are probably not MGP-related.

4.2 Interim Remedial Measures:

An Interim Remedial Measure (IRM) is implemented at a site when a source of contamination or an exposure pathways can be effectively addressed before completion of the RI/FS.

As mentioned in Section 3.2, the Brooklyn Union Gas Company instituted an IRM in November 1994, to mitigate the release of LNAPL from the MGP site into Coney Island Creek. The IRM included:

- Installation of two on-site NAPL recovery wells;
- Installation of a hard boom and end connections in Coney Island Creek; and
- Installation of LNAPL skimmer and oil collection systems.

The hard boom has been effective at controlling the spread of LNAPL on the surface water. However, the effectiveness of the skimmer and oil collection systems have been somewhat questionable.

The Brooklyn Union Gas Company also implemented an on-site IRM in October 1997 to remove high concentrations of lead from the top 1 foot of surface soil from approximately 4 acres on the western portion of the site, next to the former gas holders.

4.3 Summary of Human Exposure Pathways:

This section describes the types of human exposures that may present added health risks to persons at or around the site. A more detailed discussion of the health risks can be found in Section 6 of the "Investigation, Risk Assessment, and Engineering Evaluation Report" dated October 2001.

An exposure pathway is a manner by which an individual may come into contact with a contaminant. The five elements of an exposure pathway are: 1) the source of contamination; 2) the environmental media and transport mechanisms; 3) the point of exposure; 4) the route of exposure;

and 5) the receptor population. These elements of an exposure pathway may be based on past, present, or future events.

Exposure pathways which are known to, or which may exist, relative to the contamination in Coney Island Creek, include the following:

- Dermal contact with contaminated surface water and/or sediment in the creek by on-site construction workers and by children or adults trespassing along the Creek; and

- Ingestion of contaminated fish from the Creek as a result of recreational fishing although no measurements of chemical concentrations in fish tissue were taken during the remedial investigation.

4.4 Summary of Environmental Exposure Pathways:

This section summarizes the types of environmental exposures and ecological risks which may be presented by the site. Section 5 of the October 2001"Investigation, Risk Assessment, and Engineering Evaluation Report" presents a more detailed discussion of the potential impacts from the site to fish and wildlife resources.

Analytical results from surface water and sediment samples obtained from Coney Island Creek indicate that the Creek has been, and continues to be, impacted by contamination resulting from the operation of the former MGP. Wildlife including benthic organisms near and within Coney Island Creek may have contact with, or ingestion of, PAHs and other contaminants while foraging, nesting, or engaging in other activities in the Creek and in the adjacent upland areas.

SECTION 5: ENFORCEMENT STATUS

Potentially Responsible Parties (PRPs) are those who may be legally liable for contamination at a site. This may include past or present owners and operators, waste generators, and haulers.

On May 12, 1995, the NYSDEC and KeySpan Energy entered into a Consent Order, Index No. D2-001-94-12. The Order obligates the responsible party, KeySpan Energy, to implement the remedy selected by the NYSDEC, as described in a Record of Decision.

SECTION 6: SUMMARY OF THE REMEDIATION GOALS

Goals for the remedial program have been established through the remedy selection process stated in 6 NYCRR 375-1.10. The overall remedial goal is to restore the site to pre-disposal conditions, to the extent feasible and authorized by law, with the minimum remedial objective being to eliminate or mitigate, through the proper application of scientific and engineering principles, all significant threats to the public health and to the environment presented by the hazardous waste disposed at the site.

The goals selected for OU 2 of this site are:

- Eliminate, to the extent practicable, human exposures to MGP-related contaminants present in the Coney Island Creek surface water and sediment;

- Prevent or eliminate, to the extent practicable, exposure of fish and wildlife to levels of MGP-related contaminants in the Coney Island Creek surface water and sediments; and

- Prevent or eliminate, to the extent practicable, human exposure of MGP-related contaminants through the consumption of contaminated fish.

SECTION 7: SUMMARY OF THE EVALUATION OF ALTERNATIVES

The selected remedy must be protective of human health and the environment, be cost effective, comply with other statutory laws and utilize permanent solutions, alternative technologies or resource recovery technologies to the maximum extent practicable. Potential remedial alternatives for OU 2 of the former Brooklyn Borough Gas Works site were identified, screened and evaluated in the report entitled "Investigation, Risk Assessment, and Engineering Evaluation to Restore the Upper Reach of Coney Island Creek", dated October 2001.

The Creek source area, as defined in this PRAP, is the southwest portion of the OU 2 area of the Coney Island Creek that is adjacent to the location of the former gas holders on the MGP site (see Figure 2). The contamination in the Creek source area likely originates from the former gas holders, which are defined as a separate source area under the OU 1 ROD. The area around the former gas holders is considered a source area for Creek contamination due to the continued discharges of NAPL from seeps into Coney Island Creek. Once the NAPL enters the Creek's sediment, it continues to migrate, acting as a secondary source of PAH contamination to surrounding sediments. The source area in Coney Island Creek is the location where hard booms were installed to control the spread of NAPL to the sediments and/ or sheens in the Coney Island Creek surface water.

In the development of the remedial alternatives for the Coney Island Creek, the practicality and cost effectiveness of the removal of various amounts and areas of sediment, particularly the depth of the contaminated sediments to be addressed, were considered. Also taken in account was the manner in which the contamination occurred, as a result of coal tar/NAPL and contaminated groundwater seeping into the Creek, resulting in surficial deposition and subsequent migration and resuspension of contaminants within the sediments. In identifying alternatives to be evaluated, a conservative approach was employed to ensure the protection of human health and the environment and to provide a suitable environment for the benthic organisms that reside in the Coney Island Creek. Therefore, it was determined that the removal of the upper three feet of contaminated sediment, followed by the placement of a cap of three feet of clean "sediment quality" material, will be used as a standard for evaluation to 1) protect human health and the environment, 2) provide sufficient unimpacted depth for a benthic organism habitat and 3) isolate and prevent remaining residual contamination from recontaminating the clean cap materials and/or reaching the Coney Island Creek surface water.

Completion of construction of the proposed remedy will eliminate or mitigate significant threats to human health and the environment caused by the presence of MGP-related and non-MGP related waste in Coney Island Creek. However, the proposed remedy will not eliminate the possibility of recontamination of Creek sediments and surface water caused by combined sewer overflows and storm sewer outfalls from the City of New York. Addressing such recontamination is not the responsibility of KeySpan. Completion of the remedy required by the OU-1 ROD will eliminate recontamination of Coney Island Creek sediment and surface water by MGP-related contamination coming from the site.

A summary of the detailed analysis follows. As presented below, the "time to implement" reflects only the time required to implement and alternative, and does not include the time required to design the remedy, procure contracts for design and construction, or to negotiate with responsible parties for implementation of the remedy.

7.1: Description of Remedial Alternatives

The potential remedies for OU 2 are intended to address the surface water and sediment contamination at Coney Island Creek.

The cost to implement all alternatives has been estimated using a discount rate of 3.5%, assuming a 30-year period for surface water and sediment monitoring.

Alternative 1: No Action with Monitoring

The "no action" alternative is evaluated as a procedural requirement and as a basis for comparison. Under this alternative, no active measures would be instituted to remediate the Creek. This alternative would leave the Creek in its present condition and would not provide any additional protection to human health or the environment. The Creek would be monitored yearly to evaluate sediment and surface water contaminant levels.

The cost to implement Alternative 1, based on an annual operation and maintenance (O&M), for a period of 30 years has been estimated as follows:

Present Worth:	$1,184,450
Capital Cost:	None
Annual O&M:	$ 64,400
Time to Implement	1 months - 3 months

Alternative 2: Active Environmental Restoration to Enhance Natural Recovery

Alternative 2 includes actions targeted at improving the ecological conditions, water quality and aesthetics in the Creek and along the shoreline. Creek bank restoration and the planting of species of vegetation to enhance aquatic and terrestrial habitat would be included in this alternative. The components of Alternative 2 would be as follows:

- Creek bank stabilization to prevent erosion using bioengineering techniques;

- Restoration of the Coney Island Creek bank to remove contaminated materials and provide a 50-foot wide ecological buffer zone; and

- Long-Term monitoring of Coney Island Creek to determine the trends of contaminant levels in surface water and sediment.

The cost to implement Alternative 2 has been estimated as follows:

Present Worth:	$4,266,450
Capital Cost:	$3,082,000
Annual O&M:	$ 64,400

Time to Implement 6 months - 8 months

Alternative 3: Removal and Capping of Source Areas

Alternative 3 would include removal of targeted MGP-related source area materials where continuing or past discharge of contaminants to the Creek have taken place (see Figure 3). The OU 1 remedy would eliminate this discharge of contaminants to the Creek. This alternative would also include capping of the removed areas. In addition to the provisions for active environmental restoration described in Alternative 2, Alternative 3 would also include the following actions:

- Removal of the upper three feet of sediments from the source areas of the Creek, identified on Figure 3, which are the location of continuing, or past, discharge of contaminants from the site. This would involve the excavation and off-site treatment/disposal of approximately 15,300 cubic yards of sediment;

- Restoration of the creek bed by capping the areas of excavation with three feet of sediment-quality material, such as clean sand and/or silty material to the original contours; and

- Long-term monitoring of Coney Island Creek to determine the trends of contaminant levels in surface water and restored sediment.

The cost to implement Alternative 3 has been estimated as follows:

Present Worth:	$7,070,450
Capital Cost:	$5,886,000
Annual O&M:	$ 64,400

Time to Implement 8 months - 12 months

Alternative 4: Removal of the Upper Level of Sediments in the Study Area

Alternative 4 would include the removal of a larger quantity of contaminated sediments than Alternative 3. Under Alternative 4, the upper three feet of sediments in both MGP-source and non MGP-source areas across the entire length and width of the Creek in the Study area would be removed, and the dredged areas would be capped using clean sand and/or silty material. The area which would be removed under Alternative 4 is shown on Figure 4.

The proposal to remove the upper three feet of contaminated sediment followed by placement of a cap of three feet of clean "sediment quality" material is based on the need to; 1) protect human health and the environment, 2) provide sufficient unimpacted depth for benthic organism habitat and 3) isolate and prevent remaining residual contamination from recontaminating the clean cap materials and/or reaching the Coney Island Creek surface water.

In addition to the natural recovery, active environmental restoration and source area removal described in Alternative 3, Alternative 4 would also include the following actions:

- Removal and replacement with clean materials of the top three feet of sediments containing grossly contaminated materials across the entire length and width of the Creek adjacent to the site as shown on Figure 4. This would involve the excavation and off-site treatment/disposal or placement under OU 1 cap of approximately 34,000 cubic yards of sediment containing MGP and non-MGP related contamination. If additional mobile NAPL materials are observed at the bottom of the excavation, the excavation would continue to remove sediments to the extent practicable to prevent or limit the ability of the material to recontaminate the three feet of cap material;

- Restoration of the creek bed by capping the removed areas with clean sand and sandy silt or equivalent materials to the original contour line. A fabric would be placed to separate the clean fill from the remaining contaminated sediments; and

- Long-term monitoring of Coney Island Creek to determine the effects of the remedy on contaminant levels in surface water and sediment.

The cost to implement Alternative 4 has been estimated as follows:

Present Worth:	$10,129,950
Capital Cost:	$ 8,945,500
Annual O&M:	$ 64,400
Time to Implement	10 months - 14 months

7.2 Evaluation of Remedial Alternatives

The criteria used to compare the potential remedial alternatives are defined in the regulation that directs the remediation of inactive hazardous waste disposal sites in New York State (6 NYCRR Part 375). For each of the criteria, a brief description is provided, followed by an evaluation of the alternatives against that criterion. A detailed discussion of the evaluation criteria and comparative

analysis is included in the October 2001 "Investigation, Risk Assessment and Engineering Evaluation Report.

1. Compliance with New York State Standards, Criteria, and Guidance (SCGs). Compliance with SCGs addresses whether or not a remedy would meet applicable environmental laws, regulations, standards, and guidance.

Alternative 1 (No Action) would not bring the Creek into compliance with SCGs for surface water and sediment. The No Action alternative would not address residual concentrations of contaminants in excess of SCGs. Alternative 2 would not achieve compliance with applicable chemical-specific SCGs for both surface water and sediment within the Creek, as contaminant concentrations in both media would continue to persist above SCGs. Alternatives 3 also would not bring the site into compliance with all applicable chemical specific standards. While the impacted sediments in source areas would be removed, other areas in the Creek adjacent to the site would continue to have concentrations in excess of applicable SCGs. Alternative 4 would achieve compliance with applicable SCGs in the first three feet of sediments as the top three feet of impacted sediments would be removed along the entire length and width of the Creek adjacent to the site. The areas of removal would be capped with clean materials.

2. Protection of Human Health and the Environment. This criterion is an overall evaluation of each alternative's ability to protect public health and the environment.

Alternative 1 would not provide any protection of human health and the environment. Contaminants carried by surface water may present an off-site exposure concern. Fish and birds would continue to be exposed to contaminants in the Creek. Alternative 2, similar to Alternative 1, would not provide any additional protection of human health and the environment. Residual contaminants would be left in place and would continue to present a source of exposure to humans and the environment. Alternative 3 would not provide complete protection to human health and the environment, as only the portions of the contaminated Creek sediments that are in the source areas would be removed. Capping of sediments in the source areas would minimize exposure pathways to contaminants in these source areas only. Other areas of the Creek adjacent to the site with levels of contaminants above SCGs would continue to serve as exposure points to humans and the environment. Alternative 4 would provide the greatest level of protection to human health and the environment since it would remove contaminated sediments from the upper three feet of the Creek bed in the study area and cap residual contaminated sediments to preclude both exposure to benthic organisms, wildlife and humans, and migration of contaminants to the surface water.

3. Short-Term Effectiveness. The potential short-term adverse impacts of the remedial action upon the community, the workers, and the environment during the construction and/or implementation are evaluated. The length of time needed to achieve the remedial objectives is also estimated and compared against the other alternatives.

Alternative 1 would not result in additional short-term impacts to construction workers, the community and/or the environment since there would be no actions proposed under this alternative. Alternative 2 would have some short term impacts for the on-site workers, but would have little impact on the community and the environment. Site access to limit trespassers would be controlled

by the use of security guards and fencing. Workers would be required to comply with all safety standards and regulations to prevent or minimize exposure to contaminants. Personal protective equipment would be used as appropriate. Construction measures to control erosion would be necessary during Creek bank restoration to limit impacts to the environment. Alternatives 3 and 4 would have significantly greater short-term impacts than implementation of Alternatives 1 and 2, due to the higher level of intrusive activities required. The use of active sediment control measures, such as use of a cofferdam across the Creek would prevent downstream release of suspended sediments due to removal activities. Air monitoring and other controls would mitigate any negative impacts to the nearby residents. The placement of suitable cap materials in the excavated areas would stabilize the Creek bed and prevent future erosion, resulting in minimal or no impacts to the environment. The wet nature of the removed sediment would essentially alleviate concerns regarding dust and volatile air emissions.

4. Long-Term Effectiveness and Permanence. This criterion evaluates the long-term effectiveness of the remedial alternatives after implementation. If wastes or treated residuals remain on site after the selected remedy has been implemented, the following items are evaluated: 1) the magnitude of the remaining risks; 2) the adequacy of the controls intended to limit the risk; and 3) the reliability of those controls.

Alternative 1 would not provide any long-term effectiveness and permanence as there would be no active remediation associated with this alternative. Exposure to human health and the environment would continue. Alternative 2, while including some restoration activities, would not provide effective nor permanent treatment/disposal of the contaminated sediments. Impacted sediments in the Creek bed would be left in-place and would continue to pose a potential for exposure. Creek bank stabilization is, however, expected to provide a permanent feature that would provide streambanks protection and erosion control. Slopes constructed in the ecological zone would be expected to be stable with little maintenance. Alternative 3 would provide more long-term effectiveness and permanence than Alternatives 1 or 2, by removing source area impacted sediments. However, sediments outside the MGP-related source areas with contamination in excess of SCGs would continue to pose unacceptable exposures to humans and the environment. Alternative 4 would provide the greatest level of effectiveness and permanence of all the alternatives. Impacted sediments from the upper reach of the creek adjacent to the site would be removed to a depth of three feet for treatment/disposal. The areas of removal would be capped with clean materials, ensuring that residual contaminants remaining in-place would not migrate to surface water or result in unacceptable exposures to human health or the environment.

5. Reduction of Toxicity, Mobility or Volume. Preference is given to alternatives that permanently and significantly reduce the toxicity, mobility or volume of the wastes at the site.

Alternative 1 would not incorporate any action to reduce the toxicity, mobility or volume of contamination. Alternative 2 would provide minimal reduction of toxicity, mobility or volume due to limited amount of impacted materials that would be excavated from the ecological zone for consolidation and management. After soil is removed, the area would be backfilled/capped with three feet of clean soil. Alternative 3 would provide significant levels of reduction of toxicity, mobility and volume as approximately 15,300 cubic yards of the most contaminated sediment would be removed for off-site treatment or disposal. Alternative 4 would provide the highest reduction

in toxicity, mobility and volume of impacted materials. Approximately 34,000 cubic yards of impacted sediments would be removed, dewatered, stabilized and either disposed off-site or consolidated under the OU 1 cap, if appropriate.

6. Implementability. The technical and administrative feasibility of implementing each alternative are evaluated. Technical feasibility includes the difficulties associated with the construction and the ability to monitor the effectiveness of the remedy. For administrative feasibility, the availability of the necessary personnel and material is evaluated along with potential difficulties in obtaining specific operating approvals, access for construction, etc.

Alternative 1 would be the most implementable since there are no active remedial activities involved. Alternatives 2, 3 and 4 would each be easily implemented but would require an increased level of remedial activities compared to Alternative 1. The technologies that would be required to accomplish the restoration activities under these alternatives are readily available and reliable. The necessary materials to achieve the aesthetic enhancement proposed under Alternative 2 would be readily available and they would be easy to implement. The proposed cofferdam construction in the Creek necessary under Alternatives 3 and 4 has been accomplished at other projects and is a standard construction practice. Special considerations would be required during design to address the potential for groundwater impacts on the dewatered creek bed area so that equipment can effectively be operated during removal and capping activities. Permit requirements under Alternatives 3 and 4 would be easy to meet as it would only be necessary to comply with substantive technical requirements of applicable state permits pursuant to the negotiated consent order between KeySpan and the NYSDEC. However, work in the Coney Island Creek, and disturbance of tidal wetlands as part of Alternatives 3 and 4, would trigger the United States Army Corps of Engineers' (USACE) permit requirements.

Coordination among several agencies including the NYSDEC, NYSDOH, USACE, U.S. Coast Guard and the Mass Transit Authority would be required at various phases of the activities under Alternatives 2, 3 and 4.

7. Cost. Capital costs and operation and maintenance costs are estimated for each alternative and compared on a present worth basis. Although cost is the last balancing criterion evaluated, where two or more alternatives have met the requirements of the remaining criteria, cost effectiveness can be used as the basis for the final decision. The costs for each alternative are presented in Table 2.

8. Community Acceptance. Concerns of the community regarding the RI/FS reports and the Proposed Remedial Action Plan have been evaluated. The "Responsiveness Summary" included in Appendix A presents the public comments received and the Department's response to the concerns raised. In general the public comments received were supportive of the selected remedy.

SECTION 8: SUMMARY OF THE PROPOSED REMEDY

Based upon the results of the RI/FS for the site, including the evaluation presented in Section 7, the NYSDEC has selected Alternative 4, Removal of the Upper Level of Sediments in the Study Area.

The selected remedy for Operable Unit 2- Coney Island Creek, will eliminate or mitigate, through the proper application of scientific and engineering principles, the significant threats to human health and the environment caused by the presence of hazardous waste in Coney Island Creek. The remedy will essentially eliminate the potential exposure of residual contaminants to humans and the environment.

This selection is based upon the evaluation of the four alternatives developed for this site, which demonstrates the advantages discussed below that Alternative 4 will have over the other evaluated plans in meeting the remedial action objectives.

Alternatives 1 and 2 would fail to meet remediation goals, as no active remedial measures would be taken to address MGP related contaminants in the Creek sediments. Both alternatives would rely solely on natural attenuations of the contaminants as a means of restoration of the Coney Island Creek sediments. Therefore, Alternatives 1 and 2 have been eliminated from further evaluation as neither of them would meet the Creek restoration objectives.

Alternative 3 would focus on the restoration of both the ecological zone of the Creek bank and the MGP-related sources areas in the western portion of the Creek adjacent to the site. Alternative 3 would remove the grossly contaminated sediments from locations considered source areas within the Creek and cap the areas with clean materials. This alternative would not, however, address sediment contamination above SCGs in the other areas of the Creek adjacent to the site, thereby leaving behind a continuing source of contamination to the Creek surface water, with potential impacts to human health and the environment. Similar to Alternatives 1 and 2, Alternative 3 would not meet the Coney Island Creek restoration goals and therefore has been eliminated from further considerations.

Alternative 4 will comply with SCGs by removing the first three feet of contaminated sediments across the entire length and width of the Creek adjacent to the site, where MGP contaminants have been identified in the upper three feet of the Creek sediments. Under Alternative 4, the areas of excavation will be capped with a three feet of clean materials to eliminate potential migration of residual contamination to the Creek surface water. The capping of the Creek bed with clean materials will also improve habitat for fish and wildlife and promote recolonization of the benthic community within the area. Alternative 4, although more expensive than Alternatives 1, 2 and 3 will provide the greatest protection of human health and the environment. Alternative 4 will meet all remedial goals established for the Coney Island Creek and will enhance the ecological , aesthetic and recreational values currently provided by the Coney Island Creek. Alternative 4, when implemented, will control potential future exposures of human and ecological receptors, including fish and wildlife to contaminants of potential concern. Alternative 4, compared to the other alternatives will remove the most significant contaminant sources and most of the contaminant mass for treatment and/or disposal. Residual contaminants left behind in the environment will be capped in-place to prevent further migration. Alternative 4, while more expensive, has clear advantages over the other alternatives in terms of meeting remedial objectives and is therefore the recommended alternative to restore the Coney Island Creek.

The estimated present worth cost to implement the selected remedy is $10,129,950. The cost to construct the remedy is estimated to be $8,945,500 and the estimated average annual operation and maintenance cost is $64,400 with a 30 year present worth cost of $1,184,450.

The elements of the selected remedy are as follows:

1. A remedial design program will be developed to verify the components of the conceptual design and to provide the details necessary for the construction, operation and maintenance, and monitoring of the remedial program. Any uncertainties identified during the RI/FS will be resolved.

2. The top three feet of contaminated sediments across the entire length and width of the OU 2 reach of the Creek adjacent to the site will be excavated and dewatered for off-site treatment/disposal or placement under the cap system, as provided for by the ROD for OU 1. If additional mobile NAPL materials are observed at the bottom of the excavation, the sediment excavation will continue to the extent practicable to prevent or limit the ability of the material to recontaminate the proposed three feet of capping material. An estimated 34,000 cubic yards of impacted sediment will be removed as shown on Figure 4. In addition, the remedial design will evaluate the use of a sediment trap at the upstream (Shell Road culverts) and downstream (MTA rail bridge) to determine if a sediment trap could be designed and constructed which would be effective in limiting the recontamination of the capped area by upstream and downstream sources.

3. The areas excavated will be capped with up to three feet of sediment-quality material, such as sand and/or silty-sand material. The cap will include a filter fabric or geotextile between any residual contaminated sediment and clean materials placed. The final thickness and materials making up the sediment cap will be determined during the Remedial Design phase, based on the requirement to effectively isolate contamination and provide an adequate bioturbation zone.

4. Contaminated materials will be removed to restore the Creek bank and provide a 50-foot wide ecological buffer zone. The 50-foot ecological buffer zone to be established along the Creek bank, will recontour the Coney Island Creek bank adjacent to the site with slopes of 3:1 or 4:1. The bank will be planted with appropriate plant species to balance goals of restoring aquatic and terrestrial habitat with aesthetic considerations and will support plant life, create habitat for selected bird species and promote additional beneficial uses of the transition zone from the Creek to the upland portion of the site. If the rip rap, retaining walls or bulkheads which will remain along the Creek bank are determined to have been impacted by MGP related contaminants, they will be cleaned.

5. A long term monitoring program will be implemented to assure the effectiveness of the proposed remedy including the three foot cap system. As part of the monitoring, Keyspan will collect both sediment and surface water samples for laboratory analysis, perform a bathymetric survey and conduct modeling.

SECTION 9: HIGHLIGHTS OF COMMUNITY PARTICIPATION

As part of the remedial investigation process, a number of Citizen Participation activities were undertaken in an effort to inform and educate the public about conditions at the site and the potential remedial alternatives. The following public participation activities were conducted for the site:

- A repository for documents pertaining to the site was established.
- A site mailing list was established which included nearby property owners, local political officials, local media and other interested parties.
- In March 2001 the Record of Decision was issued selecting a remedy for Operable Unit 1 in accordance with the required community participation process.
- In January 2002 the Proposed Remedial Action Plan (PRAP) was released for public comment and a fact sheet was sent to the site mailing list summarizing the PRAP, identifying the public comment period and providing the date of a public meeting to present the PRAP.
- On February 19, 2002 the NYSDEC held a public meeting to solicit public comment on the PRAP.
- The NYSDEC attended a Community Board 13 Environmental And Sanitation Committee meeting on March 11, 2002 to provide information and respond to addition questions from the community board.
- In March 2002 a Responsiveness Summary was prepared and made available to the public, to address the comments received during the public comment period for the PRAP.

TABLE 1
Nature and Extent of Contamination

SURFACE WATER Contaminant of Concern		Concentration Range Detected (ppb[a])	SCG[b] (ppb)	Frequency of Exceeding SCG
Volatile Organic Compounds (VOCs)	Benzene	0.5 to 2	6	0 of 27
	Ethylbenzene	0.6 to 2.4	4.5	0 of 27
	Toluene	0.6 to 5.8	92	0 of 27
	Xylenes, total	0.5 to 5.9	19	0 of 27

SEDIMENT Contaminant of Concern		Concentration Range Detected (ppm[a])	SCG (ppm)	Frequency of Exceeding SCG
Volatile Organic Compounds (VOCs)	Acetone	0.063 to 0.78	N[c]	N/A[d]
	Benzene	0.0023 to 24	0.6[e]	24 of 98
	Toluene	0.0006 to 0.32	45[e]	12 of 98
	Ethylbenzene	0.0023 to 300	6.4[e]	25 of 98
	Xylenes, total	0.0018 to 40	27[e]	39 of 98
Carcinogenic Polycyclic Aromatic Hydrocarbons (cPAHs)	Chrysene	0.053 to 63	384	69 of 99
	Dibenzo[a,h]anthracene	0.036 to 2.4	63.4	12 of 93
	Indeno[1,2,3-cd]pyrene	0.063 to 5.9	0.7[e]	44 of 97
	Benzo[b]fluoranthene	0.062 to 26	0.7[e]	67 of 99
	Benzo[a]pyrene	0.046 to 32	430	68 of 99
	Benzo[a]anthracene	0.052 to 48	261	68 of 99
	Benzo[k]fluoranthene	0.043 to 81	0.7[e]	74 of 99
Inorganic Compounds	Arsenic	0.8 to 61.5	8.2	68 of 101
	Manganese	26.6 to 1,430	N	N/A
	Nickel	5.6 to 254	20.9	85 of 101
	Lead	1.2 to 3,340	46.7	82 of 101
	Zinc	6.9 to 3,770	150	69 of 101

[a]ppb = parts per billion, which is equivalent to micrograms per liter, µg/L, in water;
ppm = parts per million, which is equivalent to milligrams per kilogram, mg/kg, in soil

[b]SCG = standards, criteria, and guidance values;
Surface water SCGs are based on the New York State Codes, Rules, and Regulations, Title 6, Chapter X, Parts 700-705; Sediment SCGs are based on the NYSDEC Technical Guidance for Screening Contaminated Sediments

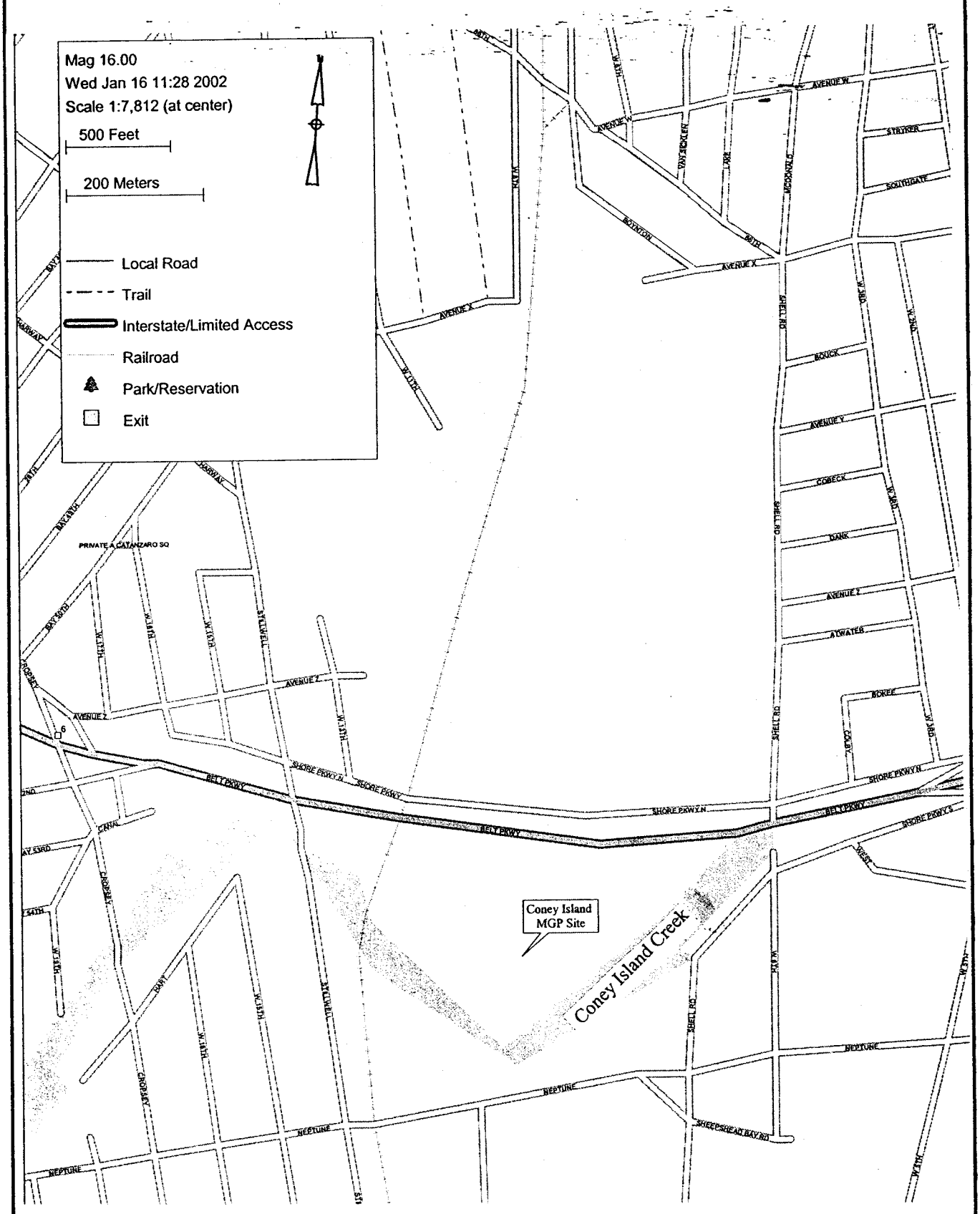
[c]N = none

[d]N/A = not applicable

[e]micrograms per gram, µg/g, organic carbon

Table 2
Remedial Alternative Costs

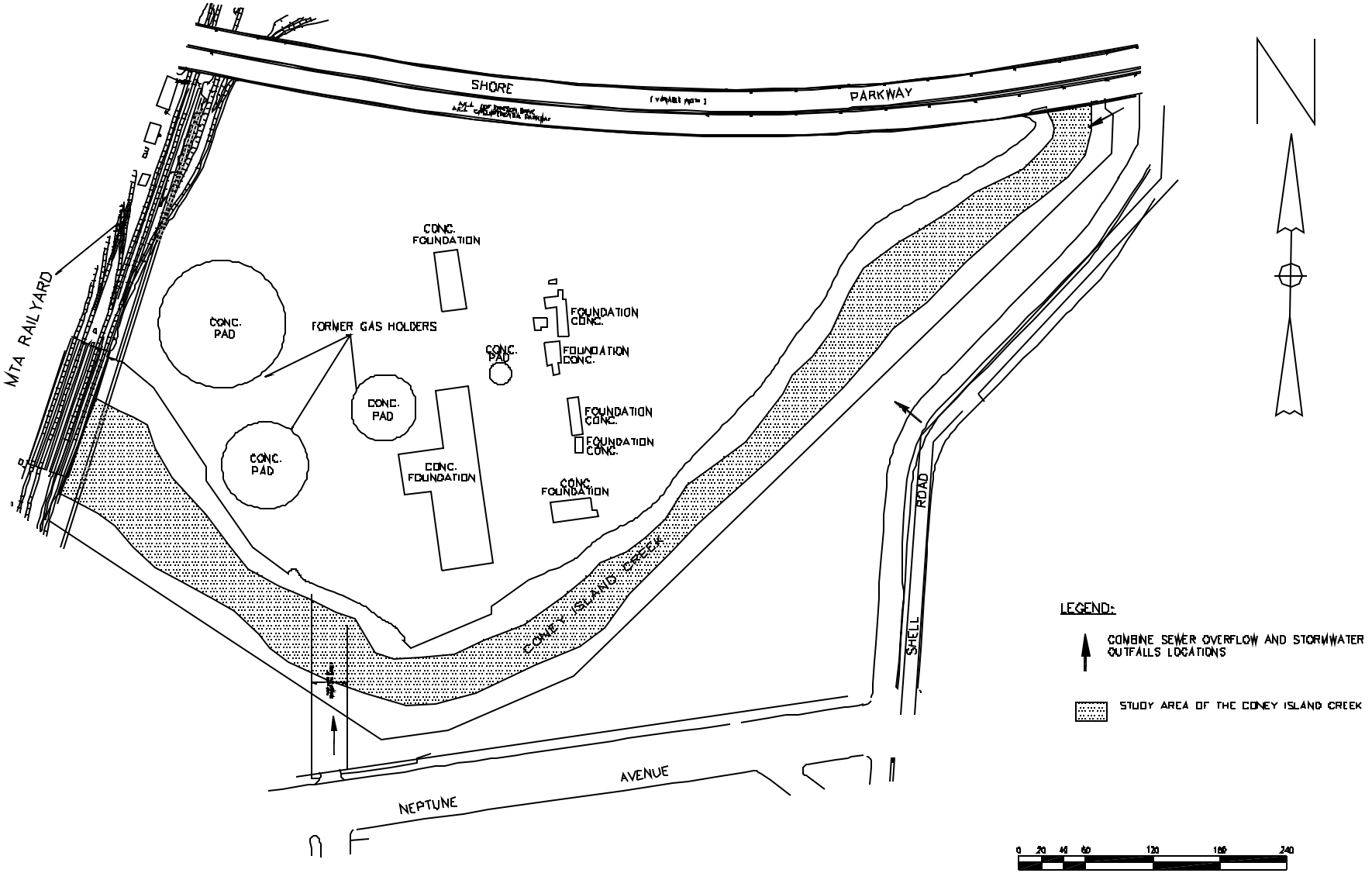
Remedial Alternative	Capital Cost	Annual O&M Cost	Total Present Worth
Alternative 1: No Action	$0	$64,400	$1,184,450
Alternative 2: Active Environmental Restoration to Enhance Natural Recovery	$3,082,000	$64,400	$4,266,450
Alternative 3: Removal of Source Areas and Capping.	$5,886,000	$64,400	$7,070,450
Alternative 4: Removal of Upper Level Sediments Exceeding SCGs.	$8,945,500	$64,400	$10,129,950



FORMER BROOKLYN BOROUGH GAS WORKS SITE
CONEY ISLAND, KINGS COUNTY, NEW YORK, SITE NO. 2-24-026

SITE LOCATION MAP

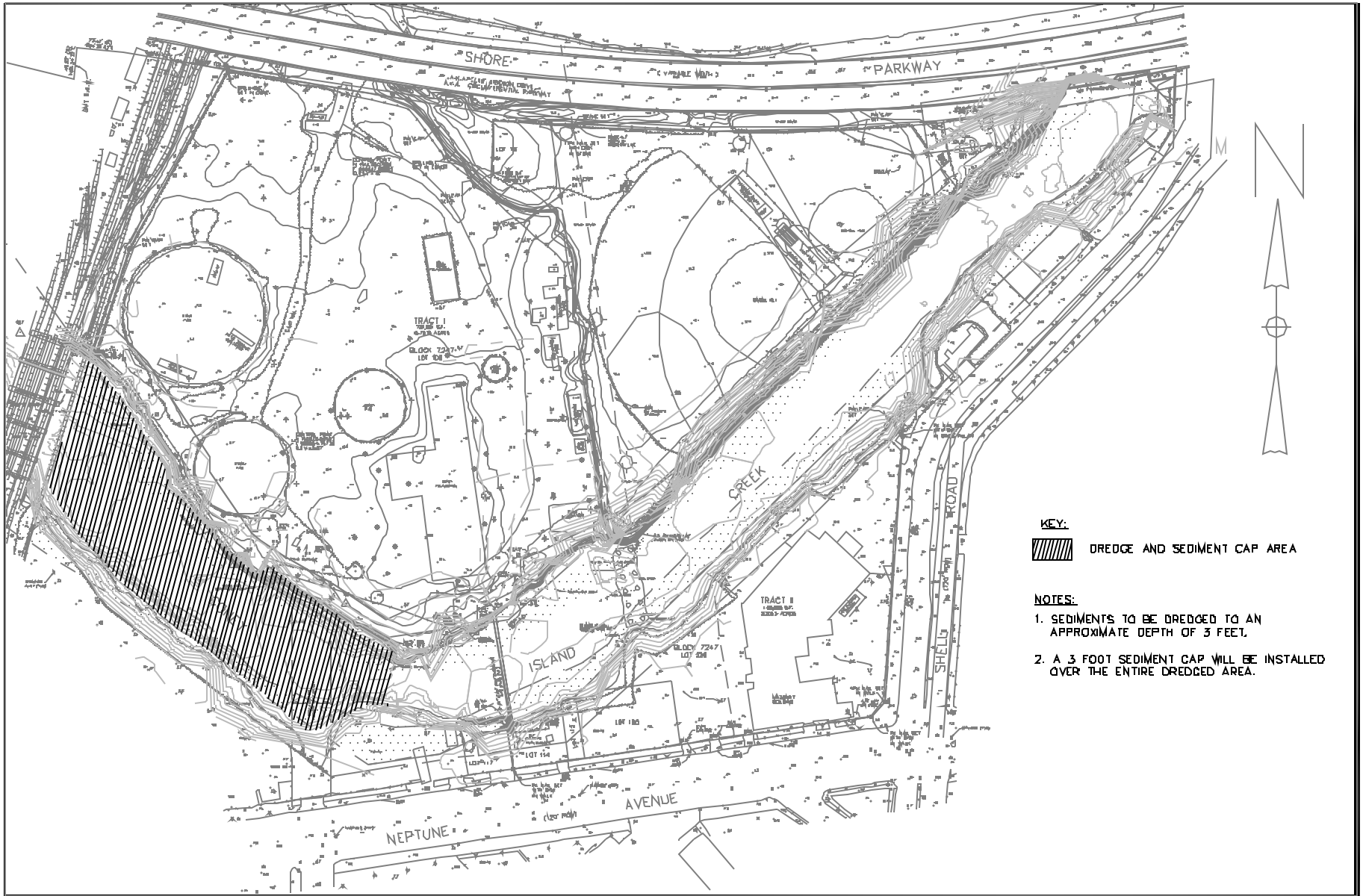
FIGURE 1



FORMER BROOKLYN BOROUGH GAS WORKS SITE
CONEY ISLAND, KINGS COUNTY, NEW YORK

SITE PLAN

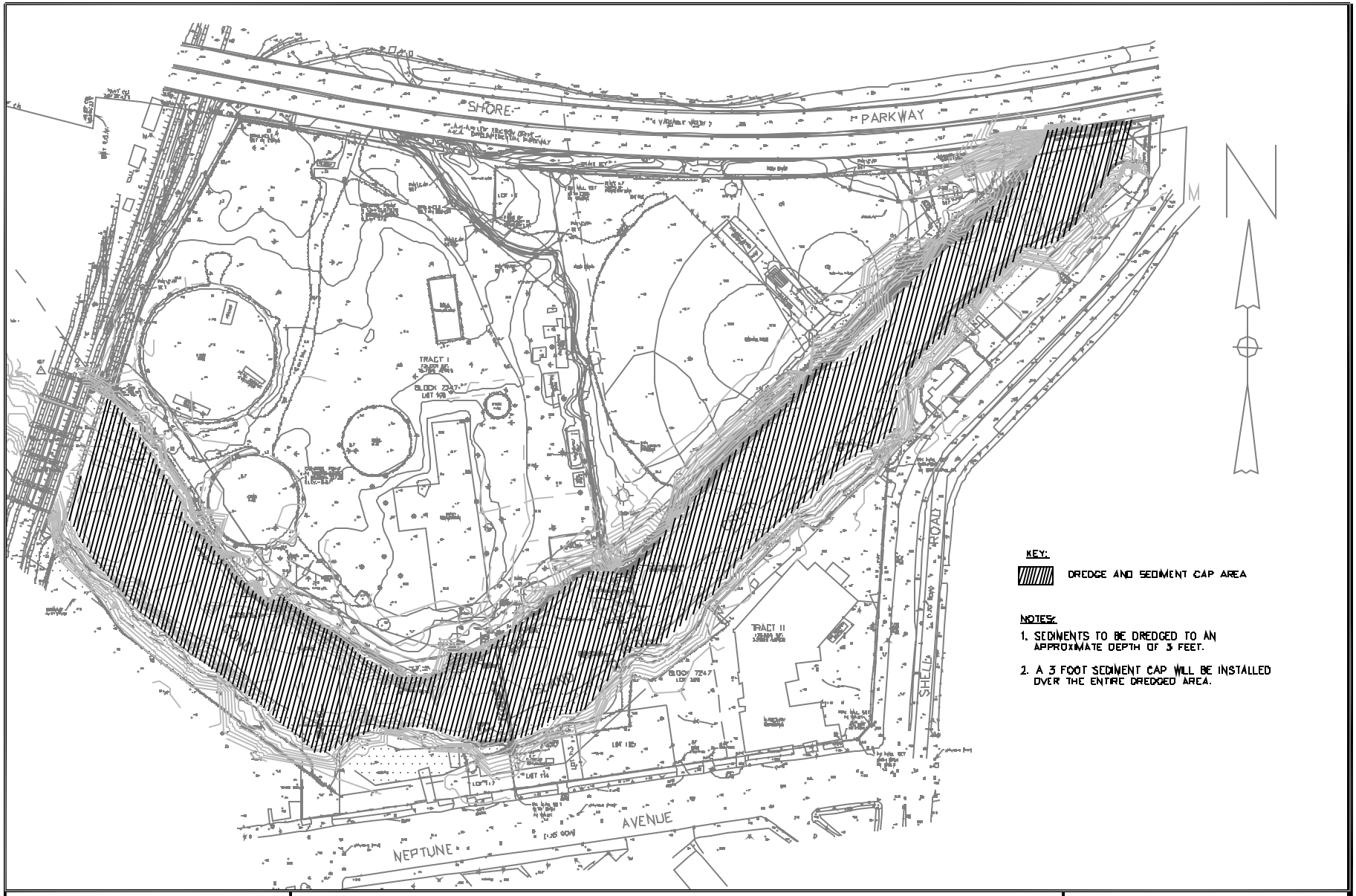
FIGURE 2



FORMER BROOKLYN BOROUGH GAS WORKS SITE
CONEY ISLAND, KINGS COUNTY, NEW YORK

ALTERNATIVE 3, SEDIMENT SOURCE AREA REMOVAL

FIGURE 3



FORMER BROOKLYN BOROUGH GAS WORKS SITE
CONEY ISLAND, KINGS COUNTY, NEW YORK

ALTERNATIVE 4, SEDIMENT REMOVAL AREA

FIGURE 4

APPENDIX A

RESPONSIVENESS SUMMARY

FORMER BROOKLYN BOROUGH GAS WORKS SITE
Operable Unit 2 - Coney Island Creek
Kings County, New York
Site No. 2-24-026

The Proposed Remedial Action Plan (PRAP) for the Former Brooklyn Borough Gas Works Site, Operable Unit 2 (OU 2) - Coney Island Creek Site, was prepared by the New York State Department of Environmental Conservation (NYSDEC) and issued to the local document repository on January 24, 2002. This Plan outlined the preferred remedial measure proposed for the remediation of the contaminated soil and sediment at the Coney Island Creek operable unit 2 of the Site. The preferred remedy requires removal of the upper three feet of impacted sediments exhibiting contaminant concentrations across the entire length and width of the upper reach of the Creek study area and backfilling with up to three feet of clean sand and silty sand or equivalent clean material as a cap.

The release of the PRAP was announced via a notice to the mailing list, informing the public of the PRAP's availability.

A PRAP public meeting was held on February 19, 2002, which included a presentation of the Remedial Investigation (RI) and the Interim Remedial Measure (IRM) undertaken at the site, as well as a discussion of the proposed remedy. This meeting, as well as a March 11 meeting with the Community Board 13 Environmental and Sanitation Committee, provided an opportunity for citizens to discuss their concerns, ask questions and comment on the proposed remedy. These comments have become part of the Administrative Record for this site. Written comments were also received from Community Board 13, Assemblywoman Adele Cohen and Mr. Frank Pane.

The original public comment period for the PRAP was scheduled to end on March 19, 2002. However, the public comment period was extended to March 22, 2002 to allow Brooklyn Community Board 13 to submit formal comments. This Responsiveness Summary responds to all questions and comments raised at the two public meetings and to the written comments received.

The following are the comments received at the public meetings, with the NYSDEC's responses:

Comment 1: How is the material going to be disposed of?

Response 1: The disposal of the material will depend on the quality of the sediment and whether the construction of the upland portion of the project will be conducted concurrently with the Creek remedial work, as is currently the plan. The material will either be disposed under the cap of OU-1, if the quality and structural characteristics of the sediment are determined suitable, or sent off-site for treatment and/or disposal.

Comment 2: There are some plans including the use of the Creek for running a ferry boat. If this happens won't it result in scouring beyond the proposed depth of excavation?

Response 2: The remedy did not anticipate using the Creek for this kind of activity, considering the current tidal conditions which leave the Creek dry at times and the constraints of the low overhead clearance of the MTA railroad and Stillwell Avenue bridges. However, should this scenario occur at some future date, or another proposal surface which may require deepening of the Creek, the remedy would have to be revisited.

Comment 3: Is the dredging going to be in the area around the combined sewer overflow or the whole Creek?

Response 3: The proposed remedy will remove sediments across the entire length and width of the Creek from the culverts at Shell Road down to the MTA railroad bridge.

Comment 4: Isn't the NAPL or coal tar cancerous?

Response 4: Coal tar and/or NAPL contain different groups of compounds. One such group is polycyclic aromatic hydrocarbons (PAHs). The United States Department of Health and Human Services (DHHS) has determined that some PAHs may reasonably be expected to be carcinogens. These PAHs are identified in Section 4.1.2 and are referenced as carcinogenic PAHs (cPAHs) in this ROD. Some people who have breathed or touched mixtures of PAHs and other chemicals for long periods of time have developed cancer. Some PAHs have caused cancer in laboratory animals when they breathed air containing them (lung cancer), ingested them in food (stomach cancer), or had them applied to their skin (skin cancer). In addition to the PAHs, coal tar and/or NAPL also contain benzene, which the DHHS has determined to be a known human carcinogen.

Although cPAHs and benzene are found in coal tar and/or NAPL, it is important to keep in mind that a chemical can cause health effects only when there is an exposure to the chemical (i.e., if there are no exposures, there are no health effects). As discussed in Section 4.3, there are some situations in which humans may come into contact with site-related contaminants, but generally the public is not being exposed to chemicals associated with the site.

Comment 5: Regarding the length of time taking to clean up the Creek, KeySpan reached an agreement with the NYSDEC in 1995 to perform remedial investigations and remedial measures to clean the site.

Response 5: Since 1995 a series of remedial investigations and interim remedial measures have taken place. This proposal to address the contamination in the Creek is being made as a result of the remedial investigations conducted at the site.

Comment 6: The Creek is 1.6 miles long and your report indicates contamination down to a depth of 10 feet and you are only proposing to remove three feet of sediment. Why not remove the entire ten feet of contaminated sediment?

Response 6: The highest concentrations of contaminants were found in the upper level of sediments. The upper sediment is also more mobile because of the nature of contaminants and the tidal action of the Creek. Clean material will be used to cap the remaining contaminated sediments in place, isolating them from the environment and effectively mitigating the environmental and human exposures. The proposed remedy will be protective of human health and the environment.

Comment 7: The Creek will have no water at certain time in a day. How deep can you remove sediment to ensure that the Creek will flush itself out properly?

Response 7: The proposal calls for the removal of the upper three feet of sediment and capping the remaining sediment with a geotextile and up to three feet of sand/sediment. One consideration during design will be how to optimize the capping system in order to enhance the flow of water to this stretch of the Creek. Since 24 inches of sediment is the minimum considered necessary to support benthic organisms, if the remaining one foot of cap included to provide for stabilization can be reduced, it may be possible to increase the depth of water remaining at low tide. The design will evaluate if this layer can be reduced by six inches.

Comment 8: Why not remove four feet of material and replace it with three feet of material?

Response 8: Since the proposed remedy will only address a portion of the Creek and not the entire length, removal of an additional foot of material beyond the proposed depth of removal and replacing it with less material will not improve the current flow condition of the Creek beyond a limited area. While some improvement may be possible and beneficial, a significant increase in depth will have little additional benefit.

Comment 9: As a representative of the community and sitting here watching your presentation, what I'm leaving here with is a very uncomfortable feeling that I can't go out and tell the people what you are proposing because there is too much uncertainty.

Response 9: We can assure you that, a minimum of three feet of grossly impacted material will be removed from the study area of the Creek. The final thickness of the cap material will be designed to enhance the current water flow conditions of the Creek, based on modeling. However, a minimum of two and one-half feet of cap materials will be placed at the Creek bed.

Comment 10: What is the zone of effective bioturbation? The contaminants are very complex molecules that do partition very easily into any living cell and bio-accumulate into a microscopic food chain.

Response 10: Bioturbation refers to the physical and biological activities that occur at or near the sediment surface which cause the sediment to become mixed. Burrowing and boring by organisms in this way, can increase the compaction of the sediment and usually destroys any laminations or bedding. Most benthic organisms tend to exist within the first six inches to twelve inches of sediment. This proposed remedy will provide sufficient unimpacted depth for benthic habitat. In general, PAHs and BETX are not bioaccumulative compounds. Benzene has little documented impact and PAH impact on benthic organisms is to decrease the viability of the organism as concentrations of PAHs increase.

Comment 11: How do you make KeySpan pay for this clean up?

Response 11: KeySpan is obligated under the 1995 Consent Order with the NYSDEC to clean up the MGP site and any areas impacted by MGP operations, which includes the Creek. KeySpan has complied with the order to date and has paid all the costs associated with this project. The State has no reason to believe they will not continue to work cooperatively to implement the remedies selected for this site.

Comment 12: You have defended the proposed remedy very nicely. My question is what happens when the work starts and you discover the problem to be more extensive than earlier thought, what happens then, does the taxpayer start footing the bill?

Response 12: If during remedial activities field conditions are encountered which drastically differ from what has been anticipated, it may be necessary to stop and reconsider the appropriate remedy to address the problem. The selected remedy will remove materials that are considered to be mobile and which have the potential to most severely impact human health and the environment. KeySpan is the primary responsible party for the site and will pay all costs necessary to address the Creek contamination. It is not anticipated that the taxpayer will be required to pay the cost of cleaning up the Creek.

Comment 13: Who will perform the ongoing monitoring and for how long?

Response 13: KeySpan will perform the monitoring. For purposes of cost estimation, a period of thirty years is used, however monitoring will occur as long as necessary. Monitoring data will be reviewed by the NYSDEC to determine the continued effectiveness of the remedy.

Comment 14: What happens when the property is sold?

Response 14: KeySpan will continue to be the responsible party to address site contamination, regardless of whether the property is transferred. However, KeySpan may chose to enter an agreement with a third party, for the third party to assume KeySpan responsibility under the

NYSDEC Consent Order. The third party would then have to enter into an order with the NYSDEC to assure that the terms of the original order are adhered to.

Comment 15: Where will the material be disposed of? Is it going to be disposed in a water body?

Response 15: Please see Response 1. The disposal of this material into a water body will not be considered.

Comment 16: How do you determine where the bed of the Creek will end up, I assume it will be by the Creek mean high water from side to side?

Response 16: The Creek bed and the width of sediment removal will be determined based on the north and south end of the existing bulkheads.

Comment 17: Do you have any information that this material may have migrated south into the other properties on the other side of the Creek?

Response 17: Borings were installed at several locations on the south side of Coney Island Creek as part of the remedial investigation. There is no indication that contaminants have moved beyond the Creek boundaries into the adjacent properties to the south of the Creek.

Comment 18: The community would want quarterly meetings to update it of the project progress.

Response 18: The NYSDEC will work with the Community Board to provide information on the project to the community through written communications, in the form of fact sheets sent to the site mailing list as well as updates of activities to be provided at Community Board meetings. The NYSDEC will also attend Board meetings, at appropriate project milestones to brief the Board on the progress of the design and construction of both the OU1 and OU2 remedies.

Comment 19: Since 1994 there's been an epidemic of death from different types of cancer down by Coney Island near the project. Why is it taking so long to try to clean up the Creek?

Response 19: Anyone with concerns about cancers near the Brooklyn Borough Gas Works site, and other inactive hazardous waste sites, can call the toll-free telephone number for the New York State Department of Health (NYSDOH) Center for Environmental Health (1-800-458-1158) to discuss their specific concerns. The NYSDOH frequently responds to questions and concerns about cancer. Many inquiries result from a need for information about cancer, including its frequency, risk factors, relationship to age, and latency. [Latency refers to the length of time between exposure to a cancer-causing (carcinogenic) agent and the diagnosis of cancer. The latency period for adult cancers is estimated to range from 10 to 30 or more years.] It is often reassuring when information and educational materials are provided about cancer.

Unfortunately, cancer is a very common disease. One in two men and one in three women will be diagnosed with cancer at some time during their life. In New York State, nearly one in four deaths is due to cancer. Eventually, cancer occurs in three out of every four families. Cancer is not one

disease, but a group of diseases. There are more than 100 different types of cancer, each with different risk factors. Tumors originating in different organs are considered to be different diseases because of variation in cause, type of abnormal cells, course of the disease, prognosis and treatment. Cancers develop in people of all ages, but most often in the middle-aged and the elderly. The number of cancer cases has risen dramatically over the past 40 years, but much of this increase is a reflection of the increase in the population, especially in older age groups. Prostate, lung and colorectal cancers are the most common types diagnosed among adult males. Breast, lung and colorectal cancers are the most common among adult females.

When an unusual pattern of cancer cases potentially related to a common environmental factor is suspected, the NYSDOH is able to evaluate Cancer Registry data for small geographical areas using information on residential addresses at the time of the cancer diagnoses. There are a number of factors NYSDOH researchers look for when evaluating whether cancer patterns in a given area may be unusual. These include the following: (1) several cases of the same or similar types of cancer in a small geographic area; (2) several cases of the same or similar types of cancer diagnosed in a short time-frame; (3) unusual numbers of a relatively rare cancer or cancers; or (4) a large number of cases of a cancer occurring in an unusual age group for that type of cancer. The issue of latency is also evaluated in order to assess the possibility of a cause and effect relationship between cancer cases and environmental factors.

Regarding the length of time taken to try to clean the Creek, the Department, prior to the adoption of Toxicity Characteristics Leaching Procedure in 1995 did not have the legal authority to address the type of contamination found at the former MGP site. However, in 1995 the Department was able to lis the site on the Registry of Inactive Hazardous Waste Disposal Sites and KeySpan entered into a consent order requiring investigation and remediation of the site. Since then, several phases of remedial site investigations have been performed in order to define the nature and extent of site contamination including the Coney Island Creek. These investigations are necessary to understand the problem and then select a balanced and cost effective remedy which will be protective of human health and the environment.

Comment 20: You have two large clean up jobs, the land and the Creek. Does one happen before the other, and when do you anticipate the clean up will start?

Response 20: The land-based work will most likely start first as this will cut off the migration pathway of contaminants to the Creek. The two projects will probably have some degree of overlap. The design of the upland remedy is scheduled for completion in October of 2002. Barring any unforseen circumstances, we anticipate that construction of the upland remedy will begin in the spring of 2003.

Comment 21: Will the rocks along the Creek bank be cleaned?

Response 21: The rocks along the Creek bank, determined to have been impacted by site contamination, will be cleaned.

Comment 22: It would make more sense to install a sediment trap at the railroad bridge to prevent recontamination of the proposed clean cap.

Response 22: This idea will be evaluated at during the design phase to ascertain the feasibility of this additional protective measure.

Comment 23: Oysters should be put into the Creek to help clean up the Creek water.

Response 23: Putting oysters in the Creek may have some limited beneficial impact on water quality, due to their ability to filter contaminants from the water, however, putting oysters in the Creek may also increase recreational harvesting of oysters in the Creek. Currently, recreational or commercial harvesting of any oysters, clams and mussels from Coney Island Creek is banned due to high levels of coliform bacteria in local waters. Generally, high concentrations of coliform bacteria indicate the presence of bacteria and viruses which may cause adverse health effects in water and specific shellfish. It is likely that any beneficial impacts on surface water quality will not be significant enough to justify increasing the potential for public exposures to harmful bacteria and viruses through the ingestion of oysters as a result of recreational activities. In addition, our Fish, Wildlife and Marine Resources group has taken a look at the proposal and determined that placing oysters in the Creek will not provide any additional benefit since oysters will not address sediment impact which is the major source of contamination to the Creek surface water.

Comment 24: Why is the clean up not beyond the railroad?

Response 24: While elevated levels of PAHs were detected at locations beyond the proposed area of clean up during remedial investigations, mobile material including coal tar were not detected. PAHs are not particular to MGP operations and could, and do likely, result from other contributing sources along the Creek such as the auto salvage yards, parking lots and automobile repair facilities which line the Creek bank in this area. In addition, storm water and other unknown discharge pipes exist throughout the area, which also represent contaminant sources.

Comment 25: Is the parcel of land adjacent the site on Stillwell Avenue part of the site?

Response 25: The NYSDEC has no evidence that this adjacent property was part of the MGP site.

Comment 26: Why is 873 Neptune Ave used as the site address? And what is the site west boundary?

Response 26: The 873 Neptune Avene address is being used as a legal postal address only for the purpose of the Registry listing of this Class 2 site and is not the street address of the site. The site boundary is properly defined and identified in the site description and figures included in the PRAP and ROD. The site is bordered to the west by the New York Metropolitan Transit Authority rail lines. The description in the ROD has been modified to delete the address and clarify the rail lines themselves as the west boundary.

A letter dated February 22, 2002 was received from Mr. Chuck Reichenthal, District Manager, Brooklyn Community Board 13, which included the following comments:

Comment 27: More information is needed about the semi permeable liner. Maintaining the integrity of the liner is essential for the success of the project. Has a liner been successfully used elsewhere? How is the liner installed? How will the integrity of the liner be monitored once the sand cap is in place.

Response 27: The remedy calls for the use of a geotextile fabric, as opposed to a semi-permeable liner. A liner implies a solid material intended to prevent or restrict the flow of water through it, while a fabric is designed to allow water to percolate through. The intent of the proposed geotextile fabric is to stabilize the surface of the sediments, with residual contamination, which will remain in place in the Creek and be capped with the clean sediment quality material. This fabric will also serve as a demarcation layer between the soil cap and sediments. In the future should the Creek be dredged to deepen it for boat traffic, the fabric will aid in identifying these sediments. A similar cap is part of the remedy selected for the Utica Harbor MGP site in Utica, NY being addressed by Niagara Mohawk, and similar capping alternatives are being developed for a number of other MGP sites where sediments have been impacted across the State.

The liner installation technique will depend on whether the Creek sediments are removed by dewatering the area or are dredged, however the concept is similar. For this installation, the flow of water through the fabric is desirable to assure the fabric will remain where placed and will not float or be moved. The liner will be placed over the remaining sediment and the sand/silt material placed over it. As detailed in the Feasibility Study, periodic monitoring of soil and sediments cap will be undertaken to ensure that the cap integrity is maintained.

Comment 28: What will happen when the cap consolidates overtime? Will KeySpan be responsible for providing additional sand?

Response 28: The cap will be designed and the manner of placement specified to minimize consolidation. However, KeySpan will be required to provide routine monitoring and maintenance of the selected remedy. If it is determined in the future that the cap has consolidated or another condition occurs which indicates that the remedy is no longer considered to be protective of human health and the environment, KeySpan will be responsible to enhance the remedy or implement an alternate remedial technology to meet the remedial action goals established for the site.

Comment 29: We need assurances that materials containing volatile organic compounds will only be handled within enclosed areas with proper (i.e. negative pressure) ventilation. Otherwise, chemical odors will permeate the surrounding area.

Response 29: We do not anticipate the sediment removal operations would result in significant odor or airborne contaminants because the sediment will be wet. However, once the sediment is dewatered, the potential for odor or airborne contaminants increases. To mitigate this effect, temporary enclosures will be used for any sediment dewatering or processing to control any potential release of MGP constituent air emissions and/or odors. The temporary enclosure will be designed

to maintain negative pressure within the enclosure. The ventilation system will provide clean air from the outside to displace contaminated air which would be pulled under vacuum to a vapor treatment system prior to discharge.

Comment 30: There is a possibility that materials dredged from Coney Island Creek will be placed on the adjacent shoreline of the BUG site and eventually capped with a plastic liner. Will material used in this fashion be amended and/or processed to immobilize contaminants?

Response 30: Whether the dredged sediments will be taken to upland area of the site area and incorporated under the site cap or sent off-site to a permitted facility will depend in large part on whether the remedies for the upland area and the Creek will be performed concurrently or separately. If the dredged materials are to be placed in the upland area, it will be placed under the cap. The dredged material will need to be dewatered and may also need to be stabilized with additives, for proper handling and placement.

Comment 31: We need assurances that confined aquatic disposal sites, geotextile bags and new shore confined disposal will not be used.

Response 31: The dredged material will either be incorporated into the upland remedial program as described in the March 2001 Record of Decision for OU-1 or transported off-site to a permitted facility for treatment and/or disposal. Use of any of the forms of disposal identified are not being considered by this proposal, nor would they be deemed appropriate in the future for contaminated material from this site.

Comment 32: Although this site does not provide quality habitat, it is still visited by many species of birds, especially during migration. What steps will be taken to minimize impact to wildlife especially during nesting and migration?

Response 32: While some disruption of the Creek will occur during the sediment removal, every consideration will be given to minimize impacts to habitats during construction of the proposed remedy. The proposed remedy, will however provide a greatly enhanced environment for fish, wildlife and benthic organisms when completed. As detailed in the PRAP, the remedy will establish a 50-foot ecological buffer zone to improve habitat. The zone will support plant life, create habitat for selected bird species and promote additional beneficial uses of the transitional zone from the Creek to the upland portion of the site and the clean sediments will greatly improve the benthic organisms environment.

Comment 33: At dredging sites in other areas, independent observers have reported that hoist restrictions have been ignored. Who is responsible for supervision at this site? Will supervisors be present at all times that work is in progress?

Response 33: The NYSDEC will provide oversight of the remedial work during all critical points of the project, (of which dredging would be one of the most critical) to ensure compliance with the design documents. KeySpan representatives will be expected to supervise the contractors involved

with remedial construction, as well, and will be held responsible for assuring the contractors actions are compliant with the design documents.

Comment 34: Will dredge be dewatered on site? Will that water be discharged to local sanitary lines, treated at an on site facility or just discharged back into the Creek?

Response 34: The degree of dewatering of the excavated sediments and volume of water to be treated will depend on the characteristic of the sediments and the type of removal proposed. Should the material be dewatered on site, a water treatment system may be necessary to treat the water generated. Consistent with the selected remedy for the upland portion of the former MGP site, the treated water will either be discharged into the Creek or sent to the local Public Owned Treatment Works. In any case the NYSDEC discharge limits, as required by the State Pollution Discharge Elimination System (SPDES), will be met.

A letter was received at the February 19, 2002 public meeting from Mr. Frank J Pane of Stillwell Avenue, Brooklyn, N.Y., which discussed his knowledge of the Creek past history and the Creek's past recreational services to the community. Mr. Panes' letter has been included in the Administrative Record (Appendix B) of this ROD.

A letter dated March 21, 2002 was received from Mr. Chuck Reichenthal, District Manager, Brooklyn Community Board 13, which included the following:

Comment 35: During the Board's monthly meeting of March 20, 2002, it passed a motion in support of the selected remedy with YEA votes of 23 and NAY votes of 2.

Response 35: The Department appreciates the Community Boards support of the remedy.

Comment 36: The Board expects that there will be a continued and regularly scheduled, ongoing communication with the State DEC on the Coney Island Creek Work.

Response 36: As stated in response 18, the Department will work diligently with the Community Board to keep it informed of the project developments through written communications and attendance at Board meetings.

A letter dated March 20, 2002 was received from Assemblywoman Adele Cohen, representing the 48th District, which included the following comments:

Comment 37: In 1984 Brooklyn Union Gas, now known as Keyspan, was ordered to cleanup the site that they occupied at the northwest corner of Neptune Avenue and West 8th Street, a property that borders on Coney Island Creek. This is property that they had polluted with toxic waste. It is almost 20 years later and Keyspan has not yet begun to cleanup the Creek.

Response 37: With the selection of this remedy, cleanup of the Creek is about to begin.

Comment 38: Although I have been told that the cleanup will begin shortly I am concerned that DEC has approved Keyspan's use of a plastic liner, whose durability has not been tested, on the Creek bottom.

Response 38: A plastic liner is not a part of the selected remedy. See RESPONSE 27.

Comment 39: Of equal concern to me is that 30 years from now, those of us with the institutional memory relating to the terms and conditions of this cleanup will no longer be here. I seriously question the long range effects of Keyspan being responsible to monitor the site rather than the State.

Response 39: As identified in RESPONSE 13, KeySpan is obligated by the consent order to remediate this site, which includes the operation and maintenance of the remedy. KeySPan will be responsible for preparing an Operation, Maintenance and Monitoring (OM&M) Plan at the conclusion of construction which will outline all required tasks necessary for the continued OM&M of the site. Keyspan will remain responsible for undertaking any necessary operation, monitoring and/or maintenance called for by this plan under the oversight and direction of the DEC for as long as necessary to assure protection of public health and the environment.

Comment 40: It is vital that DEC serve as the monitoring agent of the Creek. New York State must take the responsibility to insure the residents of this community that the Creek poses no threat to their health and well being.

Response 40: See RESPONSE 33 and 39.

APPENDIX B

Administrative Record

1. Work Plan for Investigations, Risk Assessments, and Engineering Evaluations to Restore Coney Island Creek for the Former Brooklyn Borough Gas Works Site. Prepared by: *Vanasse Hangen Brustlin, Inc. and Foster Wheeler Environmental Corporation*, October 1999.

1. Final Report, Investigations, Risk Assessments, and Engineering Evaluations to Restore the Upper Reach of Coney Island Creek in conjunction with Former Brooklyn Borough Gas Works Site. Prepared by: *Vanasse Hangen Brustlin, Inc. and Foster Wheeler Environmental Corporation*, October 2001.

2. Record of Decision, Former Brooklyn Borough Gas Works Site, Operable Unit 1 - Plant Site, Prepared by the Division of Environmental Remediation, New York State Department of Environmental Conservation, March 2002.

3. Proposed Remedial Action Plan, Former Brooklyn Borough Gas Works Site, Operable Unit 2 - Coney Island Creek. Prepared by the Division of Environmental Remediation, New York State Department of Environmental Conservation.

4. Comment letter on the PRAP from Mr. Frank J. Pane, Stillwell Ave, Brooklyn, NY, submitted February 19, 2002.

5. Comment memo on the PRAP from Mr. Chuck Reichenthal, District Manager, Brooklyn Community Board 13, dated February 22, 2002.

6. A letter dated March 21, 2002 was received from Mr. Chuck Reichenthal, District Manager, Brooklyn Community Board 13, which stated the Community Board's support for the selected remedy.

7. Comments on the PRAP were received from Assemblywoman Adele Cohen, representing the 48th District, dated March 20, 2002.

2 Study Area Characteristics

The following sections detail pertinent background information on the history and evolution of Coney Island and Coney Island Creek, as well as current day planning considerations. This section additionally includes information about the diversity in conditions along the shoreline of the Creek, such as information regarding the complex history of infrastructure and stormwater drainage development along the Creek, and its effects on the soil quality and ecological diversity of the area. A profound understanding of the history, evolution, and current day conditions of the Study Area, both on land and in-water, was the starting point for the feasibility study and the basis from which concepts developed.

2.1 Evolution of Coney Island Creek

Coney Island Creek is situated between the Gravesend and Coney Island neighborhoods of Brooklyn. The Creek was originally composed of two inlets: Gravesend Bay and Bath Beach on the west, and Sheepshead Bay and Manhattan Beach on the east. Before the 1960's, the Creek was a strait which united these waterbodies, with Coney Island as a barrier island that was separated from the rest of Brooklyn. In 1962, a section of the Creek was filled with soil from the construction of the Verrazano-Narrows Bridge. The fill was placed at what is now the Belt Parkway to Guider Avenue, and within a block of land east of the NYC MTA Subway line on the western edge of the present day eastern inlet (Lamb 2006). As a result, Coney Island became a peninsula with Coney Island Creek as its western inlet and Sheepshead Bay its eastern inlet. Pre-construction photos included in the Coney Island Creek Resiliency Study, dated between the 1920's and 1940's, depict the Creek before hydrological modification. Historical changes in hydrology, combined with the effects of climate change, have made this area of the New York Harbor susceptible to tidal flooding and storm surge.



Figure 2.1. Historic and Current Shorelines Comparison

Currently, Coney Island Creek is approximately two miles long and varies greatly in width. At the head of the creek at the intersection of Shell Road and the Belt Parkway, the Creek is approximately 60 feet wide. Winding to the west, the width of the creek varies from 60 to 250 feet before opening up at the throat to 700 feet. The Creek is low lying, with the average shoreline elevation in the study area at 8.4 feet NAVD88.

2.2 Shoreline Conditions

The shoreline is primarily low-lying, with the average elevation (mean) of the preliminary shoreline study area at 8.4 feet NAVD88 and the mode elevation at 6.9 feet NAVD88. While there is higher ground in the region, most notably at Calvert Vaux Park (16-30+ feet NAVD88), there are also many parts of the shoreline below 8 feet, which are particularly easy entry points for floodwaters to come onshore and inundate the peninsula and Gravesend. For example, near Neptune and West 21st Avenue, the shoreline's average elevation is between 4 and 6 feet NAVD88. Further east, near Neptune and West 12th Avenue, the average elevation along the shoreline ranges between 5 to 6 feet NAVD88, as seen in **Figure 2.2** and **Figure 2.3**.

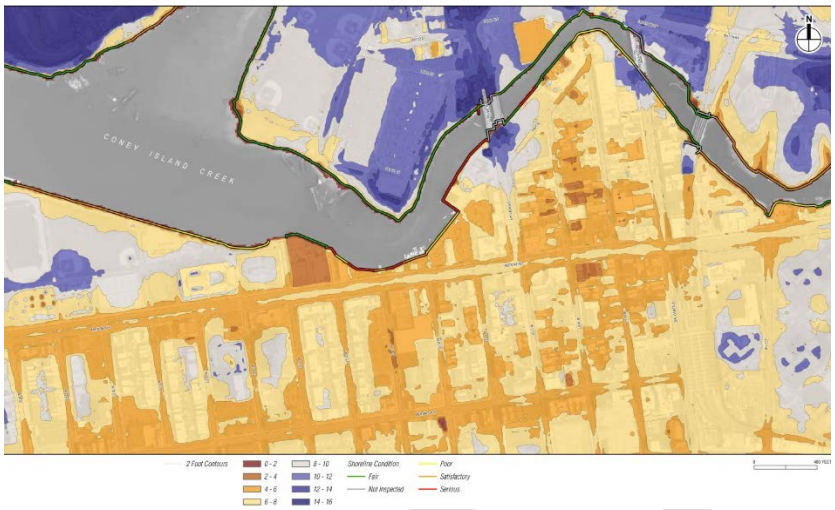


Figure 2.2. Elevation and Shoreline Condition – Neptune and West 21st Street

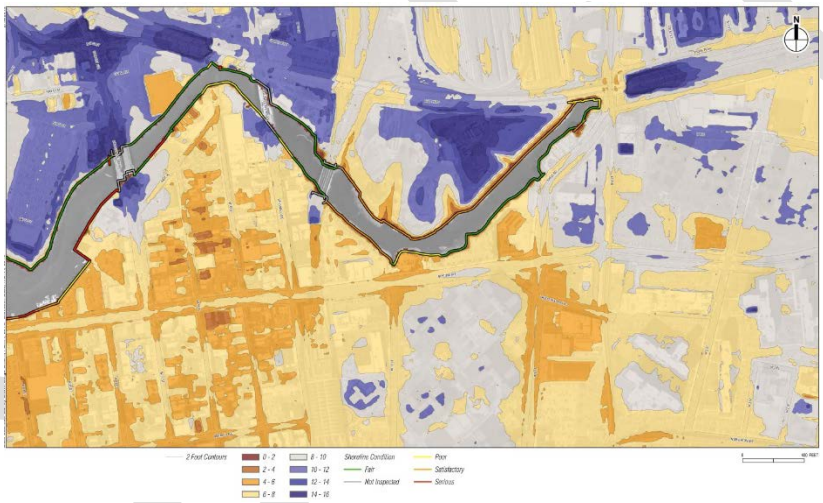


Figure 2.3. Elevation and Shoreline Condition – Neptune and West 12st Street

Along Coney Island Creek, there are several stretches, each with a distinctive shoreline configuration. These vary from engineered structures such as bulkheads, revetments, and wetlands to non-engineered shorelines, such as debris-strewn embankments and "homemade" bulkheads, as seen in Figure 2.4 and Figure 2.5. There are only two pile supported structures visible – a short stretch of relieving platform and a public fishing pier towards the middle of the Creek. Many of these structures, regardless of current elevation or level of flood protection, are in need of repair and/or maintenance.[1]

[1] It is important to note that the conditions assessment is based on NYCEDC's Rapid Waterfront Inspection Assessment for hardened shorelines and not for "soft" or natural shorelines, and, as a result, several shoreline extents may be rated as satisfactory despite current restoration efforts.



Figure 2.4. Existing Shoreline Configuration of Coney Island Creek



Figure 2.5. Existing Shoreline Condition of Coney Island Creek

The perimeter of Coney Island Creek contains several points where floodwaters breached the current shoreline protection and inundated the neighborhoods of Gravesend, Sea Gate, and Coney Island during Hurricane Sandy. These breach points are immediately adjacent to vulnerable facilities such as the MTA Coney Island Yards, the Coney Island Hospital, public schools, community clinics, area evacuation routes, and several low-income and senior housing developments.

2.3 Flood Risk

The project area for the study falls within FEMA Special Flood Hazard Areas (SFHAs). SFHAs are land areas subject to a 1 percent or greater chance of flooding in a given year, and the corresponding stillwater elevations, known as the Base Flood Elevation (BFE), are marked within SFHAs on the FIRM, depicted in **Figure 2.6**. Those owning property within a SFHA are required to take part in the National Flood Insurance Program (NFIP). A significant portion of Coney Island, as well as the Gravesend neighborhood, is within the 1 percent annual chance floodplain boundary for the effective FIRMs. This area is even greater in the preliminary FIRM maps, with areas of Sea Gate as well as further upland into Gravesend and Sheepshead Bay in the region anticipated to be impacted by the 1% and/or 0.2% annual chance flood event. According to *A Stronger, More Resilient New York*, the larger floodplain citywide represents a 90 percent increase in the number of buildings in the 100-year floodplain as compared to the 1983 FIRM, and an 83 percent increase in the number of property owners who will be required to purchase flood insurance through the NFIP.

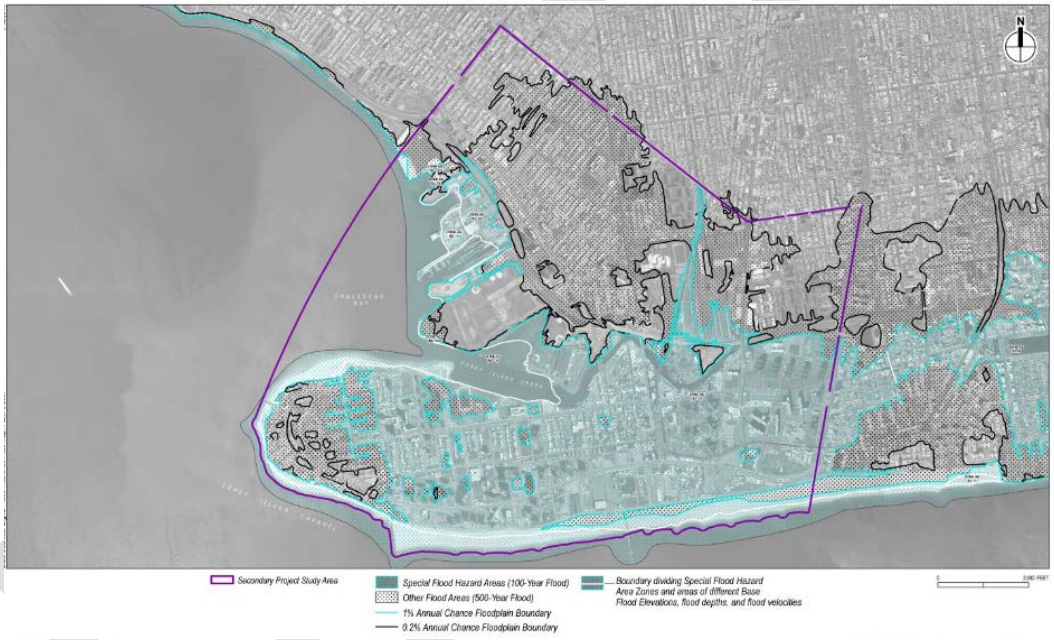


Figure 2.6. FEMA Effective Flood Hazard Areas

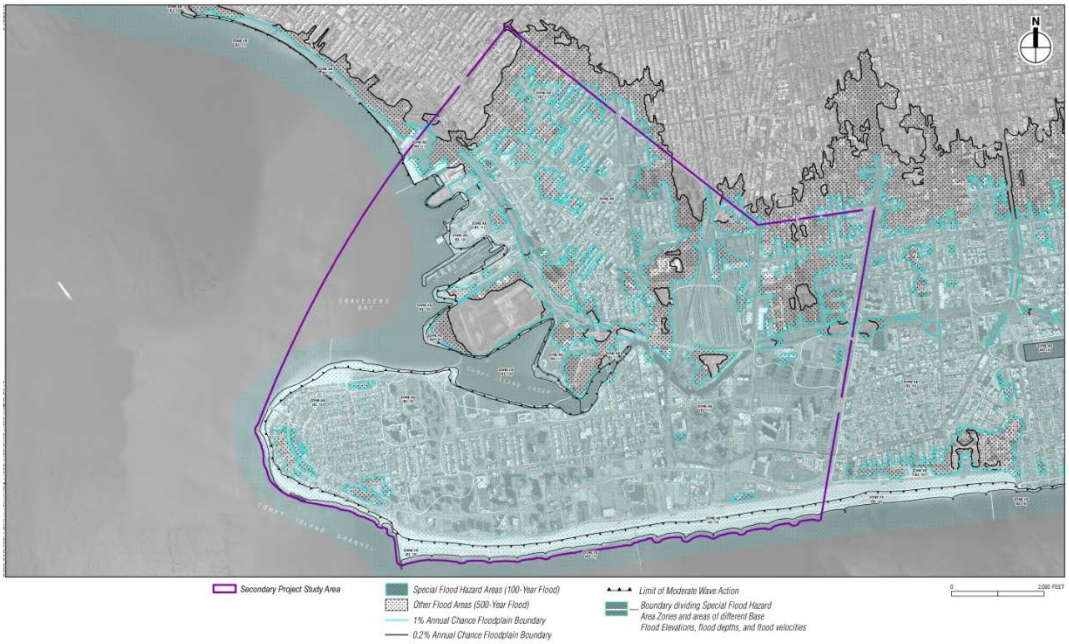


Figure 2.7. FEMA Preliminary Flood Hazard Area

2.4 Sandy Inundation

As described in *A Stronger, More Resilient New York*, Hurricane Sandy struck Southern Brooklyn in two ways – through direct wave impacts along ocean-facing areas and, more importantly to this study, through the "backdoor" via inland waterways and historic creeks. In Sea Gate, wave impact knocked out the first floor of a number of structures along the waterfront, and substandard bulkheads (e.g., bulkhead at Lindy Park) collapsed. Along Coney Island and Brighton Beach, the existing United States Army Corps of Engineers (USACE) storm damage reduction project (Rockaway Inlet to Norton Point [Coney Island]) performed as generally expected for providing flood protection to the design elevation; however, approximately 272,000 cubic yards of sand was lost, according to USACE estimates, and in areas along the beach that were nourished to lower elevations, breaches occurred and waves were able to push sand and water into adjacent neighborhoods. The Corps has completed re-nourishment of the beaches to restore the design profile. From the "backdoor", Sheepshead Bay and Coney Island Creek both swelled, contributing to significant inundation in Coney Island, Gravesend, and the neighborhood of Sheepshead Bay. The inundation resulting from Hurricane Sandy is depicted in **Figure 2.8**, most notably showing regions how the low-lying elevations along the Creek (6-8 feet NAVD88 average) and the breaching of the beach nourishment activities along the Atlantic face of Coney Island (12 feet NAVD88 average) allowed for floodwaters to enter Coney Island. Floodwaters up to 10 feet inundated the region.

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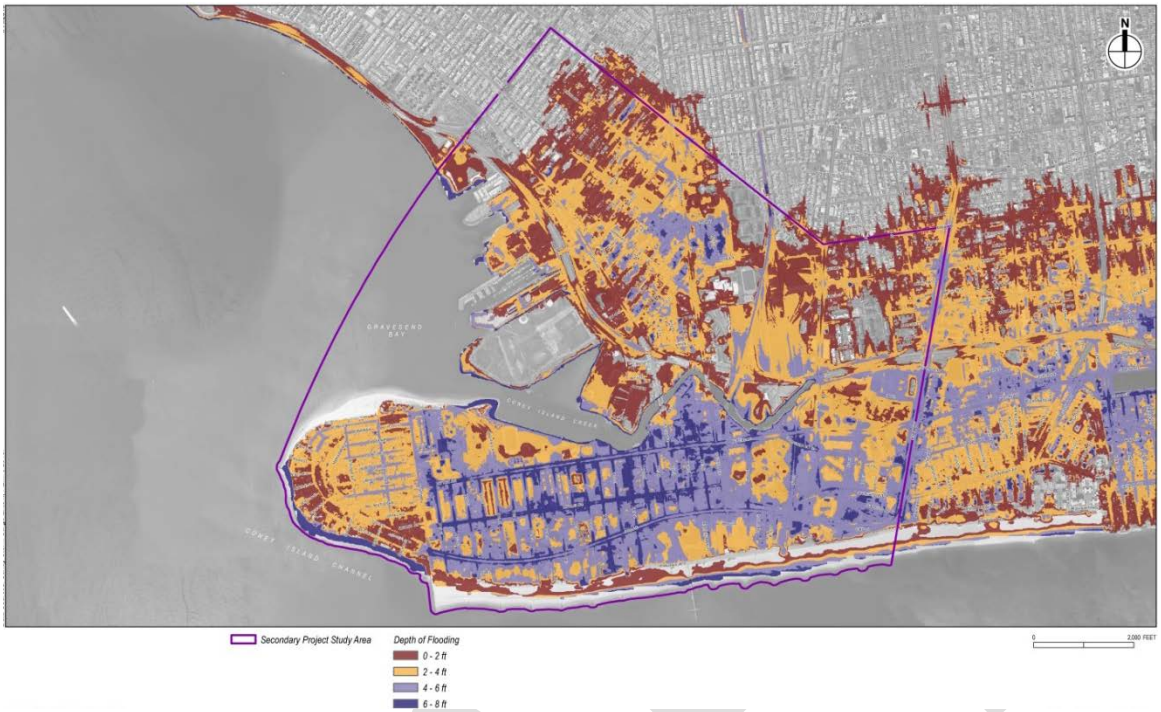

Figure 2.8. Sandy Inundation

2.5 Stormwater Drainage

Coney Island experiences significant flooding during a rain event due to inadequate storm water drainage systems, a high groundwater table, and a large amount of impervious cover. Coney Island is served primarily by separate sewers that convey runoff from roofs, yards and streets to four outfalls. Much of the peninsula is developed with impervious surfaces that generate high runoff rates.

Approximately 5 percent of Brooklyn's land area, via sewer outfalls, drainage pipes and overland flow from areas adjacent to the Creek, drains into the waterbody. Stormwater runoff from this contributing drainage area is largely conveyed to the Creek through the City's eight separate storm sewer system (MS4) outfalls and one combined sewer outfall (see **Figure 2.9**).There are a total of approximately 50 permitted and unpermitted discharge outfalls throughout Creek. One combined sewer outfall is located on the northern shoreline between Cropsey and Stillwell Avenues. The Coney Island peninsula may experience flooding during certain sized rain events due to its low lying topography, high groundwater table, and significant impervious cover. The City's anticipated Municipal Separate Storm Sewer System (MS4) permit will require all city agencies and DEP as primary executor to organize a program that requires tracks and enforces stormwater controls including elimination of illicit discharges and pollution prevention on city owned properties.

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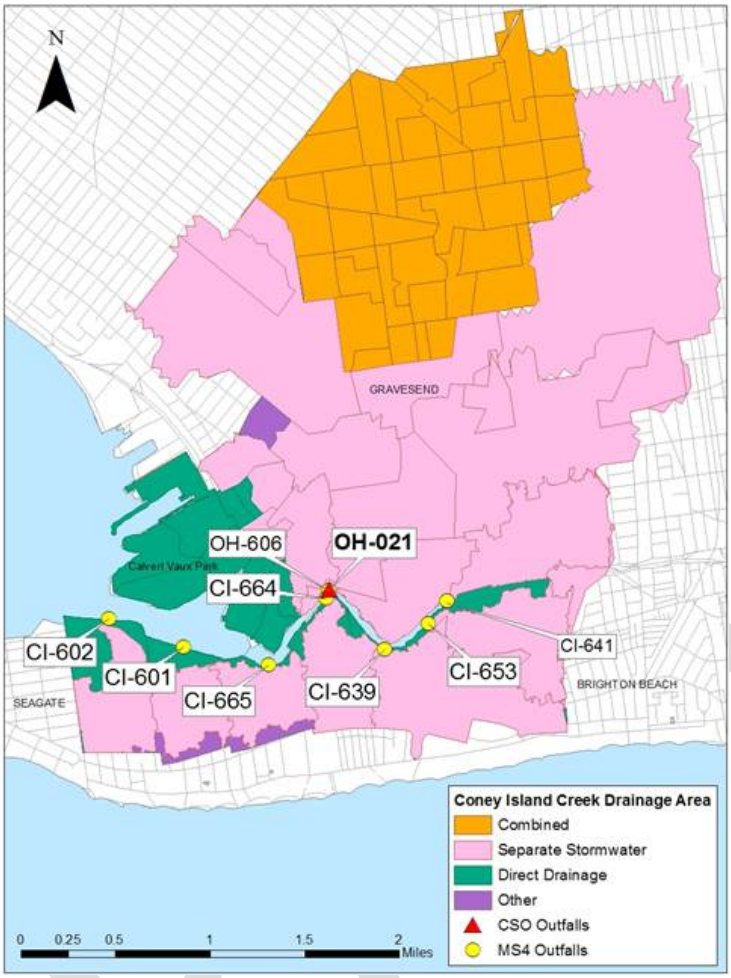

Figure 2.9. Outfalls in the Study Area

As part of a recent rezoning that covered about 50 acres of Coney Island, the City examined these drainage issues for the purposes of understanding the deficiencies and identifying possible remedies. This analysis is contained in the 2009 Coney Island Rezoning Final Environmental Impact Statement (FEIS), where the infrastructure analyses examined the hydraulic characteristics of the existing storm sewer system and its capacity to accommodate increased flows with future development. The detailed hydraulic study was undertaken in coordination with EDC and the DEP and identified the net difference between the current storm sewer capacity and projected storm flows, taking into consideration redevelopment on Coney Island that could include about 3,000 housing units, 75,000 square feet (sf) of community facility space, a 27-acre amusement and entertainment district with 600,000 sf of amusement space, 400,000 sf of commercial/retail space, 610 hotel rooms, and 335,000 sf of supporting uses.

An Amended Drainage Plan (ADP) was developed in 2010 for a 248-acre area of Coney Island, with the overall objective of providing comprehensive stormwater drainage improvements. The ADP resulted in designs to enhance the level of service for sewers in the area and provide appropriate drainage for future development. The stormwater designs have also incorporated the sustainability initiatives of PlaNYC and the Mayor's Office's Sustainable Stormwater Management Plan, NYSDEC regulatory requirements and Stormwater Management Design Manual, and DEP's detention requirements and guidance documents. Street improvements and other necessary infrastructure investments, with green infrastructure design recommendations for new streets, were also developed as part of ADP implementation. For example, new street grades are also proposed in the ADP to increase road surface elevations from south to north thereby allowing for more utility clearance coupled with increased positive drainage. The comprehensive infrastructure improvements proposed for the drainage area, which are now being constructed, include the following:

- Installing storm sewers to accommodate DEP's 5-year storm design in all streets and upgrading the existing sanitary system to accommodate projected wastewater flows;
- Raising street grades to improve drainage;
- Replacing sanitary sewers, water mains and other utilities (where necessary) to allow the proposed sewer improvements; and,
- Defining potential site development improvements, such as on-site detention and BMPs as interim flow reduction measures.

While the total ADP area is approximately 248 acres, a third of this area drains outside of the creek (i.e., to the Atlantic Ocean). Therefore, the portion of the ADP area draining to the Creek is equal to approximately 6 percent of the total sewered area draining to the Creek.

This runoff is discharged to either the Creek by one of three outfalls or to the Atlantic Ocean by a single ocean outfall according to the following:

- Storm sewers along Surf Avenue that flow toward West 23rd Street discharge to the Atlantic Ocean.
- Storm sewers along Mermaid Avenue and streets between West 19th Street and West 24th Street flow towards an outfall at West 21st Street.
- Storm sewers along Surf Avenue and streets between West 12th Street and West 17th Street generally flow towards West 15th Street.
- Storm sewers along Surf Avenue and streets between West 8th Street and West 12th Street flow towards an outfall located near the intersection of West 12th Street.

2.6 Ecological and Environmental Conditions

The following sections document the current state of Coney Island Creek, including the quality of the water, soils, and ecology that inhabit the Creek.

2.6.1 Water Quality

Water circulation in Coney Island Creek is limited by the confined nature of the Creek, low tidal flushing, background concentrations and illicit discharges, which are illegal connections to sewer outfalls and pipes that convey discharges other than stormwater runoff to the Creek.

Coney Island Creek is classified by New York State as a Class I waterbody best used for secondary contact recreation such as boating and fishing, and suitable for fish propagation and survival. The Creek was most recently listed by NYSDEC as an impaired water in 2014. Water quality impairments in New York City are primarily mitigated through the City's CSO Consent Order with NYSDEC, which mandates the implementation of specific measures to comply with water quality classifications and related standards for dissolved oxygen (DO), bacteria or pathogens and metals.

To meet the Class 1 classification, standard dissolved oxygen (DO) levels should not fall below 4.0 mg/l. Total and fecal coliform levels should not exceed a monthly geometric mean of 1,000 MPN/100 ml and 2,000 MPN/100 ml respectively. In addition, dissolved metal contaminants should not exceed threshold levels of acute or chronic toxicity. Acute and chronic toxicity occurs when concentrations exceed 5.6 µg/L and 7.9 µg/L respectively for copper, 8.0 µg/L and 204 µg/L for lead and 66 µg/L for Zinc (NYCDEP 2009). The Creek was listed by NYSDEC as an Impaired / DeListed Water in 2014 and was not included on the 2014 Section 303(d) List of Impaired/TMDL Waters, effective September 2014. The Creek had previously been listed for oxygen demand and pathogens in 2012 sourced from urban runoff, combined sewer overflows (CSO's), and onsite wastewater treatment systems (OWTS) operated by private, commercial, or institutional facilities. In 2010 it was listed for floatables in 2010 sourced from CSO's, urban runoff and stormwater.

In 2010, the Creek was listed by New York State Department of Environmental Conservation (NYSDEC) on the Section 303(d) List as an Impaired Water for floatables sourced from CSOs, urban runoff and stormwater drainage systems. In 2012, Coney Island Creek had been listed for oxygen demand and pathogens sourced from urban runoff, CSOs, and onsite wastewater treatment

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systems (OWTS). The Creek was listed by NYSDEC as an Impaired/Delisted Water in 2014 and was not included on the Section 303(d) List of Impaired/TMDL Waters effective September 2014.

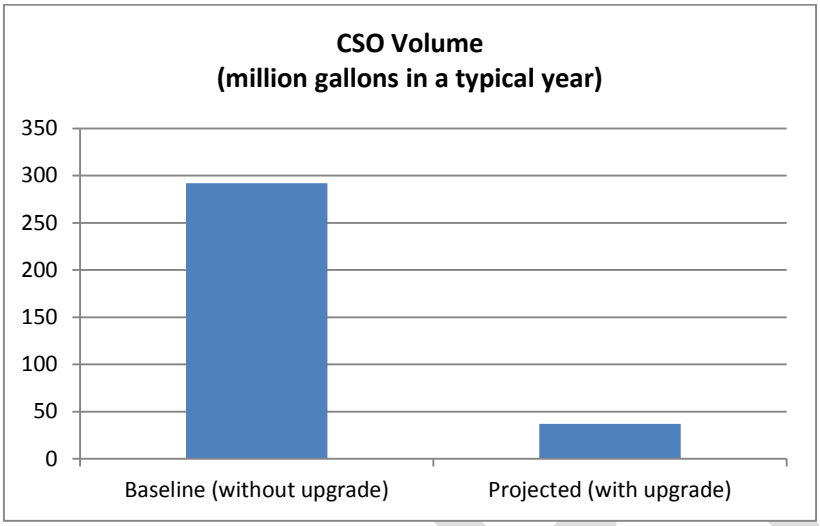

Figure 2.10. CSO volumes are projected to decrease from 292 to 37 million gallons in a typical year at one outfall between Stillwell and Cropsey Avenues on the Creek's northern shoreline.



Figure 2.11. Completed Avenue V Pumping Station Upgrade (DEP, 2015)

DEP's completed the construction of the Avenue V Pumping Station Upgrade in October 2014 to achieve the above waterbody classification in Coney Island Creek. DEP developed water quality projections, based on modeling, to reflect the expected water quality benefits associated with the construction of the pumping station upgrade and the reduction of CSO volumes into the Creek by 87 percent (**Table 2.1**). As a result, DO, fecal coliform, total coliform and metal toxicity are expected to be met at least 75 percent of the time in an annual year throughout the Creek with 100% attainment towards the mouth of the Creek at Gravesend Bay (DEP 2009).

Water quality improves to 100% attainment of existing water quality standards towards the mouth of the Creek at Gravesend Bay (NYCDEP 2009). Under projected conditions, the improvements in bacteria concentrations would be observed within weeks, assuming that illicit discharges have been eliminated. As for DO, most of the improvement would be observed in the first 1-2 years, but it may take longer before the entire benefit is realized dependent on other factors such as illicit discharges.

Parameter	Reach 1	Reach 2	Reach 3	Reach 4	Reach 5
DO	90 %	88%	90%	99%	100%
Fecal Coliform	75 %	80%	92%	100%	100%
Total Coliform	92 %	92%	100%	100%	100%
Metal Toxicity	100%	100%	100%	100%	100%

Table 2.1. Percentage of Time of Standard Attainment (in an annual year)

Salinity within the Creek typically falls between 20-27 Practical Salinity Unit (PSU), but can drop to as low as 5 PSU at the mouth of the Creek during rainfall events resulting in discharge from stormwater outfalls and combined sewer overflow at the outfall within Reach 2 (NYCDEP 2013). It is anticipated that these drops in salinity would also decrease with the construction completion of the Avenue V Pumping Station Upgrade.

DEP is currently developing a CSO Long Term Control Plan (LTCP) for Coney Island Creek to identify appropriate CSO controls that would achieve applicable water quality standards. The LTCP will be completed for submission to NYSDEC in June 2016. In addition, the City is currently developing a Stormwater Management Program (SWMP) to comply with the Municipal Separate Storm Sewer System (MS4) permit issued by NYSDEC in August 2015. Eight MS4 outfalls currently discharge into Coney Island Creek.

The citywide SWMP will categorize sources of pollutants discharging to waterbodies where an approved LTCP does not predict compliance with water quality standards and contributions from the MS4 are expected to be a significant contributor. The SWMP will identify additional or customized non-structural best management practices such as illicit discharge, floatables and litter reduction programs and a schedule to commence implementation, as well as describe opportunities for implementing green infrastructure pilot projects and other structural retrofits for stormwater management (DEP, 2015).

2.6.2 Sediment and Soil Quality

Adjacent upland areas bordering the Creek have been subject to contamination primarily as a result of historic industrial activities. In addition, the same outfalls that contribute to water quality conditions can convey sediment or pollutants from stormwater runoff or sanitary discharges to the Creek, as presented in **Figure 2.12**.

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Figure 2.12. Sediment and Soil Quality in Coney Island Creek

Most notably, the northern shoreline of the Creek at the far eastern end contains disturbed uplands as a result of activities related to the North Triangle (the former Brooklyn Gas Works Site). As a result, sediment at the bottom of the Creek adjacent to this site were previously contaminated (Anchor QEA, 2014). At the North Triangle, polycyclic aromatic hydrocarbons (PAHs), volatile organic compounds (VOCs), and various inorganic compounds were detected within this area at a depth of 4 to 12 feet below ground surface and certain areas of the Creek contained coal tar (NYSDEC 2001).

In 2001 and 2002, NYSDEC's Record of Decision announced the selected remedies for the North Triangle (Operable Units 1 and 2, respectively) in order to eliminate significant threats to human health and the environment from the presence of a "Class 2" inactive hazardous waste disposal sites. The selected remedy involved the removal of upper level sediments in the Creek and replacement with clean sediment quality material. The top three feet of sediments along the Creek were removed and treated off-site. The excavated areas were then filled with three to four feet of clean materials such as sand or silty-sand, and planted with native species (NYSDEC 2001). The selected remedy for Operable Unit 2 involved the excavation of coal tar materials, encapsulation, perimeter barrier walls, non-aqueous phase liquid (NAPL)/groundwater collection, and the treatment of discharge of treated water to Coney Island Creek. This involved off-site disposal of materials and restoration of the Creek bank with a 50-foot ecological buffer zone and geotextile fabric (PS&S Engineering, PC, 2010). In all, approximately 60,000 cubic yards of sediment were removed and backfilled with high quality sediment materials. Monitoring wells were installed to evaluate the effectiveness of the remedial action as untreated hazardous waste still remains on-site (NYSDEC 2002). Cleanup of the inactive site was completed in 2009.

The remaining areas surrounding the Creek contain measured levels of contamination which are generally similar to measured contamination in surface sediments throughout the New York/New Jersey Harbor (NYCDEP 2013).

2.6.3 Tidal Wetlands

Coney Island Creek is a tributary of Lower New York Bay, which is an expansive open water marine system. According to the USFWS National Wetland Inventory (NWI), most of the Creek and adjacent Gravesend Bay are classified as Estuarine, Subtidal, Unconsolidated Bottom, Subtidal (E1UBL), which indicates that it has deep water tidal habitats and tidal wetlands that are somewhat enclosed, but have some open access to the open ocean environment. A major difference between a marine and estuarine system is that a marine system is exposed to higher energy wave action, whereas an estuarine is more consistent with lower energy waves. Subtidal indicates that these areas are submerged at mean low water (MLW) and an unconsolidated bottom consists of cobble-gravel, sand, med and organic matter. NYSDEC considers these same areas as a Littoral Zone, which is identified

as the tidal wetland zone including all lands under tidal waters that is otherwise not categorized and shall not include lands that are under more than six feet of water. The water in these areas can expect to be similar to that of the open ocean, but somewhat dilute due to freshwater runoff from the land.

The Creek also contains NWI mapped intertidal wetlands (Estuarine Intertidal Unconsolidated Shore Regularly Flooded or E2USN) and NYSDEC mapped tidal wetlands categorized as coastal shoals, bars and mudflats. This NYSDEC category is described as a tidal wetland zone that is covered at high tide, but exposed at low tide (or covered with water of up to one foot) and is not vegetated. The shorelines of Coney Island Creek and its surrounding areas are subject to a semi-diurnal tide with a range of approximately 7.1 feet (typical of NY metropolitan area). **Table 2.2** displays a typical 2-day tide cycle, showing high and low tide elevations.

Date	Day	Time	Height
1/21/2015	Wednesday	01:42 AM	-0.97 L
1/21/2015	Wednesday	07:58 AM	6.05 H
1/21/2015	Wednesday	02:20 PM	-1.24 L
1/21/2015	Wednesday	08:26 PM	5.22 H
1/22/2015	Thursday	02:33 AM	-1.03 L
1/22/2015	Thursday	08:49 AM	6.0 H
1/22/2015	Thursday	03:07 PM	-1.29 L
1/22/2015	Thursday	09:19 PM	5.27 H

Table 2.2. A Typical Tidal Cycle at Coney Island (based off NOAA Sandy Hook Station)

Similarly, the remediation of the North Triangle (labeled #1 in **Figure 2.12**) included the establishment of an ecological buffer zone. This 50-foot-wide ecological buffer zone was designed to act as a transition area between the riparian zone of the Creek and the upland portions of the North Triangle. Following soil remediation within the Creek, the wetlands and ecological buffer zone were planted with tidal emergent and transitional wetland species that serve as habitat for fish and wildlife species.

Current wetlands are limited to fringes but historically spanned across the peninsula. A comparison of wetlands documented in 1891 and today, suggests an 87 percent decrease in historic wetlands, with the decrease primarily attributed as a result of development and growth in the region. However, DPR is currently involved in an effort to restore wetland communities. For instance, DPR recently conducted a wetland and upland habitat restoration project on the north side of the Creek in Calvert Vaux Park, as seen in **Figure 2.13**. The restoration project included re-grading steep slopes to expand the intertidal zone and planting native wetland vegetation (predominantly *Spartina alterniflora*). Gabion baskets were used to stabilize the slope and to develop an overlook for park visitors. As mitigation for the Coney Island Infrastructure Improvements project and specifically the upgrade of three stormwater outfalls discharging to Coney Island Creek, the NYCDEP restored about 0.15 acres of intertidal wetlands adjacent to the DPR project.



Figure 2.13. Calvert Vaux/Drier Offerman Park Coastal Habitat Improvement Project (Photo credit: NYCDPR)

2.6.4 Ecological Diversity

Benthic invertebrates, which are organisms that live on or within the bottom sediments of a waterbody, are critical elements of the ecological food chain with varying tolerance levels of water quality. Therefore, the presence of different benthic communities is often used as an indicator of the health of an ecosystem. Generally, the benthic taxa that have been found in all reaches of the Creek are considered to be pollutant tolerant (NYCDEP 2009). Dominant species collected from the far eastern parts of the Creek include nematode and annelid worms. Moving westward toward Gravesend Bay, a less dominant population of amphipods, isopods and copepods is also found. Oligochaetes and mysid shrimp have also been found in low numbers (NYCDEP 2009). Slightly higher diversity of benthic species was found near the mouth of the Creek including nematodes and annelid worms, mollusks and crustaceans such as mud crab, polychaete worms, common Atlantic slippersnail, eastern white slippersnail, yellow-jawed clam work, blue mussel and nut clams (DSNY 2005).

Low finfish species diversity has been reported in the Creek. As part of the CSO planning facility study in 1994, three species were collected within the Creek including northern kingfish, striped bass, and Atlantic silverside. An ichthyoplankton study focused on collecting early life stages of fish was conducted in Lower New York Bay and surrounding waters in 2001. During this study, 14 taxa were collected from within the Creek. Dominant species included bay anchovy, winter flounder, and windowpane (NYCDEP 2012). A more diverse finfish community was found outside the mouth of the Creek in Gravesend Bay, including bay anchovy, weakfish, scup, windowpane, summer flounder, Atlantic butterfish, bluefish and black sea bass. Winter flounder, windowpane, scup, and Atlantic butterfish ichthyoplankton have also been collected (DSNY 2005). The Creek also has a resident horseshoe crab population located on shoreline of Calvert Vaux Park. In a two-day survey conducted in 2002 by the DPR National Resource Group, a total of 249 horseshoe crabs were observed. The habitat restoration that was conducted as part of the Calvert Vaux Park project involved the restoration of a dry sandy area suitable for horseshoe crab habitat and nesting (Parks 2008).

According to the NYSDEC Herp Atlas survey data collected between 1990 and 1999, seventeen species of amphibians and reptiles have been documented within the general vicinity of the Creek and presented in **Table 2.3**. However, due to the disturbed, urban nature of the Creek's shoreline and the related lack of sandy substrate, herps are not expected within the Creek. Small rodents, characteristic of urban environments, such as house mouse, Norway rat, and muskrat, and feral cats are likely to use land areas in the vicinity of the Creek as habitat.

Common Name	Scientific Name
northern redback salamander	*Plethodon c. cinereus*
northern two-lined salamander	*Eurycea bislineata*

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fowlers toad	*Bufo fowleri*
gray treefrog	*Hyla versicolor*
northern spring peeper	*Pseudacris c. crucifer*
Bullfrog	*Rana catesbeiana*
green frog	*Rana clamitans melanota*
eastern box turtle	*Terrapene c. Carolina*
northern diamondback terrapin	*Malaclemys t. terrapin*
red-eared slider	*Trachemys scripta elegans*
painted turtle	*Chrysemys picta*
northern water snake	*Nerodia s. sipedon*
northern brown snake	*Storeria d. dekayi*
common garter	*Thamnophis sirtalis*
northern black racer	*Coluber c. constrictor*
eastern hognose snake	*Heterodon platirhinos*
eastern milk snake	*Lampropeltis t. Triangulum*

Table 2.3. New York State Herp Atlas Data

Bird species likely to inhabit the shorelines and uplands adjacent to the Creek include common urban-adapted passerine species waterfowl and shorebirds, and numerous migratory species (NYCDEP 2012). The New York State Breeding Bird Atlas data collected from 2000-2005 documents the presence of breeding birds within New York State. Coney Island Creek is located in blocks 5849C and 5749D. There are 25 species identified as having the potential to utilize the project area, as documented in **Table 2.4**.

Common Name	Scientific Name
Mallard	*Anas platyrhynchos*
Ring-necked Pheasant	*Phasianus colchicus*
American Kestrel	*Falco sparverius*

Killdeer	*Charadrius vociferous*
Rock Pigeon	*Columba livia*
Mourning Dove	*Zenaida macroura*
Downy Woodpecker	*Picoides pubescens*
American Crow	*Corvus brachyrhynchos*
Fish Crow	*Corvus ossifragus*
Barn Swallow	*Hirundo rustica*
Canada Goose	*Branta canadensis*
Double-crested Cormorant	*Phalacrocorax auritus*
Great Egret	*Ardea alba*
Snowy Egret	*Egretta thula*
Little Blue Heron	*Egretta caerulea*
Cattle Egret	*Bubulcus ibis*
Black-crowned Night-Heron	*Nycticorax nycticorax*
Glossy Ibis	*Plegadis falcinellus*
Herring Gull	*Larus argentatus*
Great Black-backed Gull	*Larus marinus*
Carolina Wren	*Thryothorus ludovicianus*
Gray Catbird	*Dumetella carolinensis*
Song Sparrow	*Melospiza melodia*
Red-winged Blackbird	*Agelaius phoeniceus*
House Sparrow	*Passer domesticus*

Table 2.4. New York State Breeding Bird Data for Block 5849C and Block 5749D

The endangered peregrine falcon and its nests have been observed within the Creek close to Gravesend Bay (NYCDEP 2012 and DSNY 2005). Species observed during a site visit conducted on January 7, 2015 include Cooper's hawk, red-tailed hawk, great blue heron, ring-billed gull, great black-backed gull, herring gull, brant, mallard, bufflehead, loon *spp.*, American black duck, mute swan, American coot, Canada goose, American crow, sparrow *spp.,* and rock dove. Some of these species are shown in the tables below**.** The eBird online database provides a source of up-to-date birding community reports hosted by the Cornell Lab of Ornithology and

National Audubon Society with "hotspots" for data collection at Calvert Vaux, Six Diamonds, Kaiser and Coney Island Creek Parks (eBird.org).

Habitat types and communities are quite varied along Coney Island Creek and its surrounding areas. According to 2010 aerial imagery and field reconnaissance, adjacent vegetation and habitat ranges from beach, park land (lawn), scrub shrub, tree and shrub communities, restored upland grass and intertidal wetlands and disturbed uplands, with the majority of land adjacent to the northern shore of the Creek classified as tree and shrub community and land adjacent to the southern shore of the Creek classified as park land (lawn). Habitat has also been created through some restored vegetation communities along the Creek including a mitigation project for a commercial development located on the northern side of the Creek in the industrial park adjacent to, and east of, Calvert Vaux Park, across the creek from West 21st Street. The bank was replanted with native trees, shrubs, and herbs. During a 2011 field investigation conducted by NYCDEP, observed species observed in the intertidal area consisted of switchgrass (*Panicum virgatum)*, bayberry (*Myrica* sp.), and beach plum (*Prunus maritima*). **Table 2.5** provides an in-depth list of species identified in the Coney Island Infrastructure Improvements EAS (NYCDEP 2012) and specific species regulated as invasive by NYSDEC.

Common Name	Scientific Name	Habitat Range
American holly	*Ilex opaca*	Upland
Asiatic bittersweet	*Celastrus orbiculatus*	Upland
Asters	*Symphyotrichum sp.*	Upland
bayberry	*Myrica sp.*	Hydrophytic or wetland
beach plum	*Prunus maritima*	Hydrophytic or wetland
biennial wormwood	*Artemisia biennis*	Upland
black cherry	*Prunus serotine*	Upland
black locust	*Robinia pseudoacacia*	Invasive
box elder	*Acer negundo*	Upland
bush honeysuckle	*Lonicera sp.*	Upland
Canadian horseweed	*Conyza Canadensis*	Upland
catalpa seedlings	*Catalpa sp.*	Upland
cherry	*Prunus sp.*	Upland
common reed	*Phragmites australis*	Invasive
daisy fleabane	*Erigeron strigosus*	Upland
eastern red cedar	*Juniperus virginiana*	Upland
Goldenrods	*Solidago spp.*	Upland

marsh elder	*Iva frutescens*	Hydrophytic or wetland
Mugwort	*Artemesia vulgaris*	Invasive
Mulberry	Morus nigra	Upland
salt marsh cordgrass	*Spartina alterniflora*	Hydrophytic or wetland
Sumac	*Sumac sp.*	Upland
Switchgrass	*Panicum virgatum*	Hydrophytic or wetland
tree-of-heaven	*Ailanthus altissima*	Upland
white birch	*Betula sp.*	Upland

Table 2.5. Vegetation identified in Coney Island Infrastructure Improvements EAS

2.7 Open Space Resources

The Coney Island Creek study area has a significant amount of waterfront open space including the iconic Coney Island Beach and Boardwalk along the Atlantic Ocean. Additionally, there are over 150 acres of parkland with approximately two miles of shoreline found at the mouth of Coney Island Creek. There are also several community gardens in the study area in addition to school playgrounds and the vegetated buffers along the Belt Parkway.

East of 21st Street, the amount of publically accessible open space decreases, with no waterfront park sites east of Cropsey Avenue other than a small underutilized seating area near the bulkhead of the Raymour & Flannigan parking lot.

The following section document the current state of DPR Parks in the region, as well as other open space resources, such as community gardens and Publicly Accessible Waterfront Spaces.

2.7.1 DPR Parks

The four DPR parks located adjacent to the Creek are Coney Island Creek Park, Kaiser Park, Six Diamonds Park, and Calvert Vaux Park, as seen in **Figure 2.14**. Each attracts a different set of user groups based on their resources and points of access; for instance, Kaiser Park is considered by many to be the heart of the community and Calvert Vaux attracts regional users since its fields are easily accessed by car.

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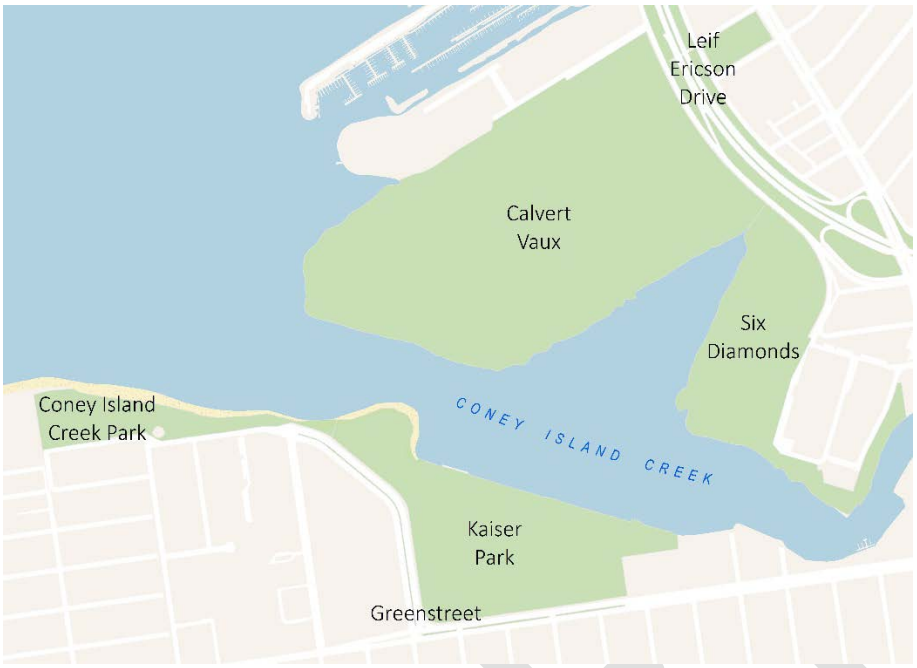

Figure 2.14. DPR Parks Adjacent to Coney Island Creek

2.7.1.1 Coney Island Creek Park

Coney Island Creek Park, also known as Bayview Park, borders the gated Sea Gate Community to the west, Kaiser Park to the east, and Bayview Avenue to the south. The park is approximately nine acres in size, with 1,700 linear feet of sandy waterfront edge and is mostly a passive natural space with open views to the bay. The land was assigned to DPR in 1984 and is currently considered an "undeveloped" property by the agency. The southern edge of the park is covered by larger trees which provide shade while the waterfront area has large swaths of sand and sparse vegetation consisting of grasses and forbs. There are some benches and picnic tables below the canopy cover. As in other waterfront parks in the area, windblown sand creates a dynamic topographic condition and resembles a natural dune ecological community. A feature known as the "Sand Spit", just beyond the eastern boundary of the park, protrudes into the Creek and continues to grow in size because of prevailing water currents and wind. A sand dune was constructed on the park site in 2001.

2.7.1.2 Kaiser Park

Leon S. Kaiser Park (Kaiser Park) is bordered by Coney Island Creek Park and is approximately 26 acres in size with 3,000 linear feet of waterfront edge, including the current Sand Spit size and location. There are a number of mature canopy trees in this park, some of which provide valuable shade. A number are in poor health and seem to have been negatively impacted by flooding during Hurricane Sandy.

While boarded by Coney Island Creek Park on the west, Kaiser Park is a very different type of park from that of Coney Island Creek Park. It has numerous and diverse active recreation features including a synthetic turf football / soccer field, baseball fields, basketball courts, handball courts, tennis courts, and a comfort station. Some of these resources have been recently reconstructed or rehabilitated.

Moreover, Kaiser Park is well-used by the community and serves as a front yard for NYCHA residents living in the Gravesend Houses just to the west. A fishing pier along the waterfront is a popular location for local anglers. The sandy beach of the Sand Spit is also a popular destination for shoreline relaxation with excellent views of Verrazano-Narrows Bridge. Barbeque grills are provided and are popular during summer weekends. Mark Twain School for the Gifted Talented (I.S. 239) is located just east of Kaiser Park and currently leases some of the park space near the waterfront from DPR for parking. Furthermore, Kaiser Park, along with Calvert Vaux Park (discussed below) is part of the City Parks Foundation Partnership for Parks Catalyst Program, which develops community leadership, provides grants for projects, and promotes park stewardship.

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2.7.1.3 Six Diamonds Park

Located on the north side of the Creek, Six Diamonds Park is approximately 37 acres in size with nearly 2,000 linear feet of shoreline, though the water is not visible from the active recreation area. The site was first used for baseball in the 1940s and soon thereafter the land was transferred to the DPR. The interior of the Park is dominated by grass baseball fields which are overlaid with other athletic fields, such as soccer fields. A band approximately 100 feet wide along the western and southern waterfront edge is characterized by dense unmanaged vegetation. Homeless encampments, piles of debris and fire pits are obscured by this growth. Several derelict barges and piers still exist along the shoreline as well, and it is clear that most park users do not access the waterfront areas of the park.

Six Diamonds Park borders the White Sands residential community and Home Depot on Bay 54th Street to the east and Calvert Vaux Park to the west, although the connection between the two parks is made only by the sidewalk on Bay Parkway. At the southeast corner one can access Home Depot's Publicly Accessible Waterfront Space, but the connection is not immediately obvious or well maintained.

The park was named Four Diamonds Park in 1985 but after the addition of two more fields in 1999 the name was updated. It is also worthy to note that, in the past, the Park has been referred to as Coney Island Boat Basin because of a marina which operated on the site.

2.7.1.4 Calvert Vaux Park

Calvert Vaux Park is the largest park in the Coney Island region at approximately 86 acres, excluding the Atlantic-side beaches. It also has more shoreline than the other three Creekside parks at 4,300 linear feet. Despite its size, most park users access Calvert Vaux Park by automobile as pedestrian connections from nearby neighborhoods are constrained. The great majority of the current parcel was acquired by DPR in 1962 and comprises sand, soil and rock fill generated from excavation for the Verrazano Narrows Bridge. The park was formerly called Dreier-Offerman Park and was renamed to recognize the renowned English architect who co-designed Central Park and Prospect Park.

Currently, the park is well-known to birders and considered a prime area in the city to view raptors, waterfowl, and shorebirds. The newly restored shore area is a site of ongoing horseshoe crab monitoring and also contains a Harbor Estuary Program and United States Army Corps of Engineers (USACE) Comprehensive Restoration Plan wetland restoration site. As such, further mitigation work is planned for the site.

At the time of the study, DPR was in the process of implementing a phased masterplan, which was developed in 2007. The northeastern portion of the park includes athletic fields, parking, new garden areas (including a rain garden) and a waterfront habitat restoration area. Upon completion of the full masterplan, the park will include additional athletic fields, a pavilion, lawn areas, a comfort station, and restored natural areas. After full masterplan build-out, the park will provide a balance between active recreation facilities, passive areas, and restored habitat for the benefit of marine and avian wildlife.

2.7.2 Additional Open Space Resources

There are several community gardens near the Creek, which appear to be well cared for by the community. For instance, the Victory Garden is located on a small parcel at the easternmost point on the Creek, directly on Shell Road and bordering the water. A larger garden east of I.S. 239, between West 24th and West 23rd Street, is also directly on the south side of the Creek. This garden has a variety of larger vegetable plots surrounding the former fire pump station building and has waterfront views. It is very active during summer evenings and highly visible from Neptune Avenue. There are several other smaller community gardens dispersed through the neighborhood.

Publicly Accessible Waterfront Spaces are areas designated by DCP that allow public access on private property. Two such sites exist in the study area: The Home Depot on the north side of the Creek and Brooklyn Bay Center on Gravesend Bay near 24th Avenue and Bay Parkway. The Home Depot site includes a gravel path, limited seating, and shrub plantings; multiple accesses were closed on a recent visit. Closer to the shore in this area, squatter encampments and derelict docks and barges exist. Opened in 2014, Brooklyn Bay Center has been constructed to a higher design standard but is over a half a mile north of the Creek.

Other open space areas include baseball fields on Shell Road (North of the Belt Parkway) adjacent to the Coney Island Rail Yard; these are private and managed by the Grace Gravesend Athletic Association. The remediated North Triangle is currently a large

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undeveloped parcel at the east end of the Creek that in the future could provide open space to the public in conjunction with other uses.

Moreover, there are two private marinas in the Creek area. The larger full service facility, Marine Basin Marina, is located north of the mouth of the Coney Island Creek between Bay 41st and Bay 43rd Streets. There is also a smaller marina at the end of West 20th Street, adjacent to a gas station, which can accommodate approximately twenty boats. Additionally, recreational boats in various conditions are anchored within reaches 3, 4, 5 of the Creek. Some boats appear to be actively maintained, while others appear abandoned or are sinking.

As a New York State Class I waterbody, Coney Island Creek has designated best usages of secondary contact recreation and fishing. Fishing as a recreational activity in Coney Island Creek is publically allowed; however, a fishing license is required and fishermen must abide by NYSDEC Bureau of Fish and Wildlife Services rules and regulations. There are three NYSDEC saltwater fishing access points for Coney Island Creek:

1. Coney Island Creek Park at Bayview Avenue and West 37th Street,
2. Leon Kaiser Park at Neptune Avenue between West 24th Street and West 32nd Street, and
3. Dreier-Offerman Park at Shore Parkway between Bay 44th Street and Bay 49th Street (also known as Calvert Vaux Park).

2.7.3 Access

Despite the relatively large area of parkland compared to some other neighborhoods in New York City and Southern Brooklyn, there are physical barriers that make it difficult for local residents to access these open spaces, particularly the parks on the north side of Creek. The Belt Parkway is a limited access highway that pedestrians and cyclists must either cross above or below. The pedestrian overpass at 27th Avenue is stepped in portions making it difficult to use for cyclists, elderly and people with disabilities. Neptune Avenue, Cropsey Avenue, Stillwell Avenue, and Shell Road are major roadways that can be difficult to cross and navigate. Furthermore, the shared bicycle routes on Bay Parkway, Neptune Avenue, Cropsey Avenue and other local streets are not ideal given the speed and volume of truck and car traffic on these roads.

Although the parkland to the north and south of the Creek is clearly visible to park users standing at a waterfront location, there is no linked greenway connecting the parks. Travel time can be lengthy to the parks and the routes are not ideal. For example: for a resident just west of Kaiser Park to travel to Calvert Vaux Park on foot, the trip would likely take over thirty minutes and the route would parallel the loud, busy and potentially dangerous automobile-dominated streetscapes of Neptune Avenue and Cropsey Avenue.

2.8 Urban Design Considerations

The following sections discuss the urban design considerations, including built form, zoning, density, property ownership and land uses. In addition, a summary of recent and planned urban planning projects underway at the time of the study are summarized.

2.8.1 Built Environment

Within the study area, the built environment is diverse. For instance, Gravesend has three distinguishable and separate built form types. South of 86th Street and east of Cropsey Avenue, Gravesend has a relatively homogenous character of low-scale residential development along a regular grid oriented perpendicular to the shoreline but disconnected from the waterfront physically and visually by the Belt Parkway. The blocks sandwiched between Cropsey Avenue and the Belt Parkway are characterized by an abrupt change in building type and character as the single-family homes are replaced by high-rise brick co-ops that are arrayed parallel to the Parkway. South of the Belt Parkway, Gravesend has a mix of large-scale retail and industrial uses that rely on excellent access to the parkway to draw regional traffic.

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Figure 2.15. Cropsey Avenue Building Types

Coney Island has a much more eclectic and layered character that has been shaped by large-scale urban renewal projects immediately adjacent to finer-grain perimeter block developments that date back to the peninsula's history as a beachfront resort of small homes and cottages. It is very common in Coney Island to have two-story homes on the same block as twenty-story towers. Similarly, it is not unusual to have established single family homes interspersed among light industrial uses.

The primary study area contains a significant number of publicly-owned properties. The majority are City owned, although others such as the Belt Parkway are owned by the State of New York. The land divisions and easements along the narrow portion of the Creek (east of West 22nd Street) are particularly complex. A waterfront access plan along this portion of the Creek (similar with what has been accomplished at the Home Depot site) would require careful analysis of ownership and access rights.

2.8.2 Transportation Connections

There are a number of valuable transportation assets in Coney Island, including major roadways and thoroughfares, public transportation, and pedestrian and bicycle routes, as shown in **Figure 2.15**. The roadways include key links in the regional and local transportation network of the region, including Ocean Parkway and Belt Parkway and, from north to south, Neptune Avenue, Mermaid Avenue, and Surf Avenue. The cross streets in Coney Island are numbered from West 1st Street to West 37th Street at the border of Sea Gate, except for West 17th Street, which is Cropsey Avenue north of Neptune Avenue.

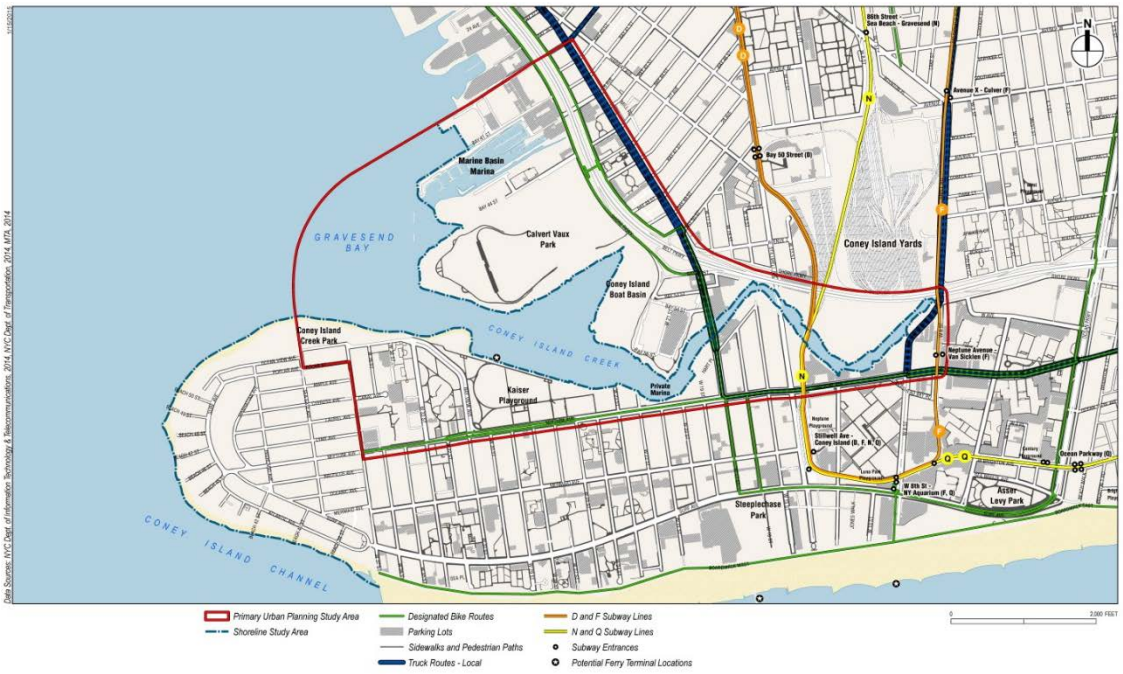

Figure 2.16. Transportation Features

The wide, East-West arterials (i.e., Neptune, Cropsey, and Surf Avenues) that slice through the neighborhood are presently another legacy of urban renewal in the region. These arterials facilitate the movement of cars and trucks but act as barriers to pedestrian and bicycle access between the Creek and the beachfront. Currently, DOT is working with the Coney Island community to study safety measures along Neptune Avenue from West 25th Street to Stillwell Avenue. Under study are improvements such as bike lanes and related street markings to improve pedestrian and bike access. Similarly, DCP has also studied improvements to bike connections across the Creek, including upgrades to the bike route along Cropsey Avenue or alternate routes or crossings that circumvent Cropsey Avenue altogether. North-South, Cropsey Avenue and Stillwell Avenue are currently the only connectors between the two neighborhoods of Gravesend and Coney Island. These corridors have poor quality streetscapes, high traffic, and an auto-dominated character. With the exception of the Creekside parks, there are few opportunities to engage visually with the Creek, especially east of Cropsey Avenue.

Portions of Coney Island are widely accessible via subway, and is serviced by New York City Transit D, F, N, and Q subway lines. The main subway station is located at Stillwell Avenue, with eight tracks with four ADA accessible platforms. Other stations in Coney Island provide easy accessibility to local landmarks, such as the New York Aquarium. In addition to subways, Coney Island is served by New York City buses, including the following local buses: the B68 to Prospect Park, the B74 to Coney Island/Sea Gate via Mermaid Avenue, the B64 to Bay Ridge, the B82 to Starrett City, and the B36 to Sheepshead Bay. In addition, the X28 provides express bus service to Manhattan on weekdays.

Pedestrian and bicycle access is available, but limited in the study area. The Coney Island Cycle Path, as part of the Ocean Parkway Bike Path, is the oldest designated bicycle path in the United States, and terminates in Coney Island. In addition, the Shore Parkway Greenway trail runs east along Jamaica Bay and can easily be accessed from on-street bike lanes along Neptune Avenue and other streets in Coney Island. Pedestrian access, especially access points to parks and the Creek, are especially limited, and there are few opportunities to engage with the Creek by foot east of Cropsey Avenue.

2.8.3 Land Uses

The study area lies at the intersection of the residential and industrial uses that are characteristic of Coney Island and the southern portion of Gravesend, and also includes a variety of land uses, such as critical facilities and historical and cultural assets for the region. The special district between Cropsey, Stillwell, and Neptune, promotes this historic mix of uses in this area. Specifically near the Creek, commercial and retail uses are sporadic and are limited to a number of clusters such as the intersection of Cropsey

Avenue and the intersection of Stillwell and Surf Avenues. In the greater vicinity, more traditional retail corridors extend along Brighton Beach Avenue, 86th Street, and McDonald Avenue.



Figure 2.17. Special Mixed Use District

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Figure 2.18. Coney Island Housing Types

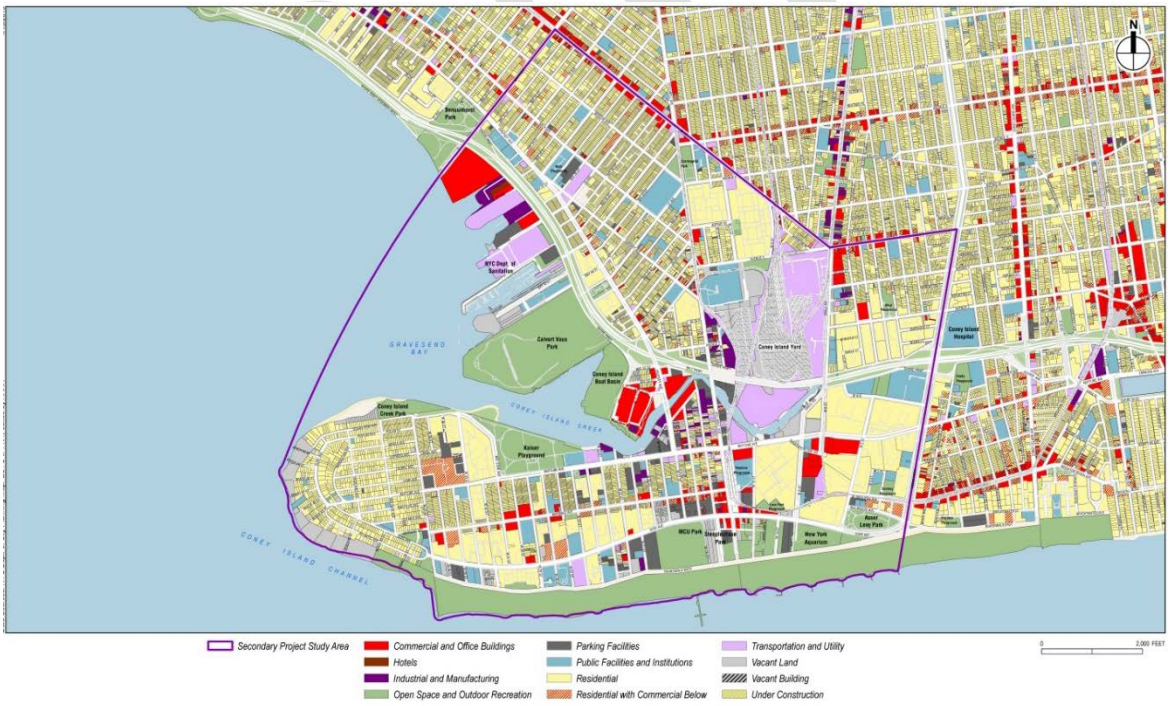

Figure 2.19. Land Use in Coney Island

The region is also home to many critical facilities, as well as historical and cultural assets. For the purposes of this feasibility study, critical facilities are defined as public and private buildings and programs that provide for the safety and well-being of community members, and include schools, hospitals, clinics, senior centers, day care facilities, social service centers, fire houses, and police

stations. The Coney Island beachfront and amusement district also contains several iconic landmarks and historic assets, ranging from the Parachute Jump to the Shore Theater to MCU Park. Outside the amusement district, there are no significant designated landmarks; however, Mermaid Avenue has two important community landmarks: the Brooklyn Public Library at the intersection of West 19th Street and Our Lady of Solace Church at the intersection of West 17th Street. Though not architecturally noteworthy, the Stillwell Avenue elevated train station, the Luna Park Co-ops, the Shorefront Jewish Geriatric Center, and the Parkview Diner on Cropsey Avenue are all recognizable landmarks.

Lastly, the study area includes a large number of vacant or under-utilized parcels that are predominant at the commercial and transit core of Coney Island—the area between the Creek, Cropsey Ave, and Stillwell Avenue. Lots adjacent to or proximate to the Creek are dominated by parking lots, warehouses, and auto-oriented businesses. The largest and most prominent vacant parcel is the North Triangle, a triangular parcel of 16.8 acres that is bounded by the Creek and the Belt Parkway.

2.8.4 Density

The population density within the study area correlates directly with building scale and land use. The dense residential superblocks in Coney Island sharply contrast with adjacent city blocks that hold much lower density townhomes and single-family homes. Unlike neighboring Brighton Beach and Sheepshead Bay, Coney Island and Gravesend have relatively fewer medium density areas of mid-rise and walk-up buildings. It is notable that the area with the best transit access (i.e., the Stillwell Avenue train station) is characterized by the lowest density land uses in the area.

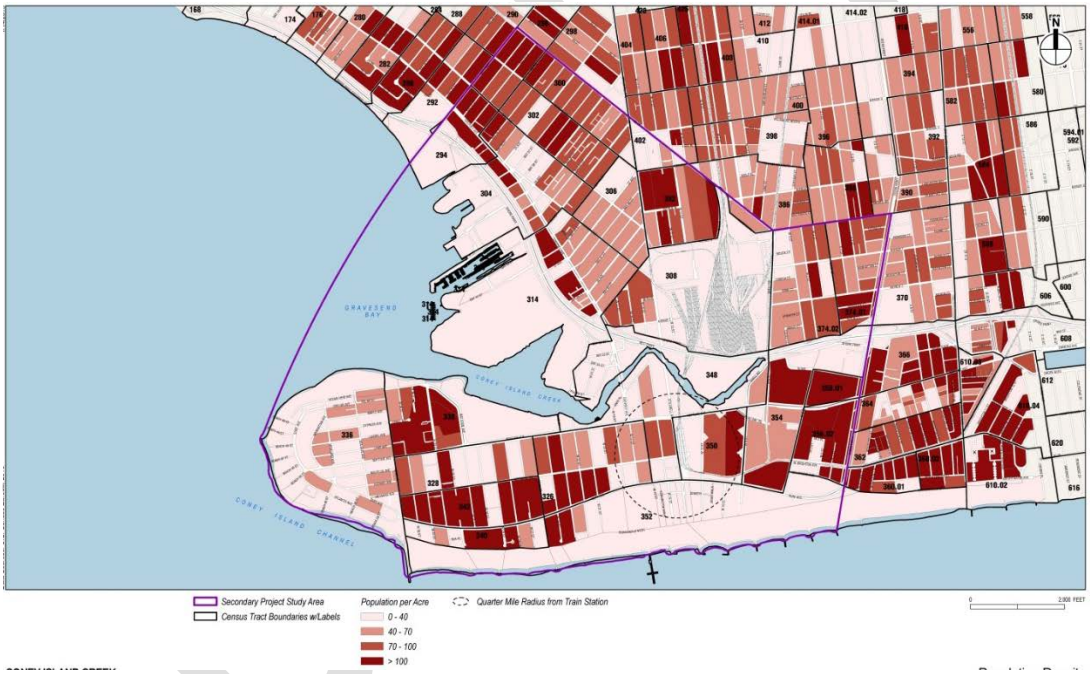

Figure 2.20. Population Density in Coney Island; Circle is 5-minute walking radius from train station

2.8.5 Existing Zoning

With the exception of Sea Gate and the manufacturing districts along the Creek, low and medium-density zoning districts are mapped within most of Coney Island and along the Cropsey Avenue corridor in Gravesend. The zoning along the Creek and north of Calvert Vaux Park is varied both in use and bulk. The variety responds to the historic mix of uses, such as manufacturing and light industrial. It is further reinforced by the Special Coney Island Mixed Use District (CO) that promotes the existing mix of small-scale businesses and single-family homes south of the Creek.

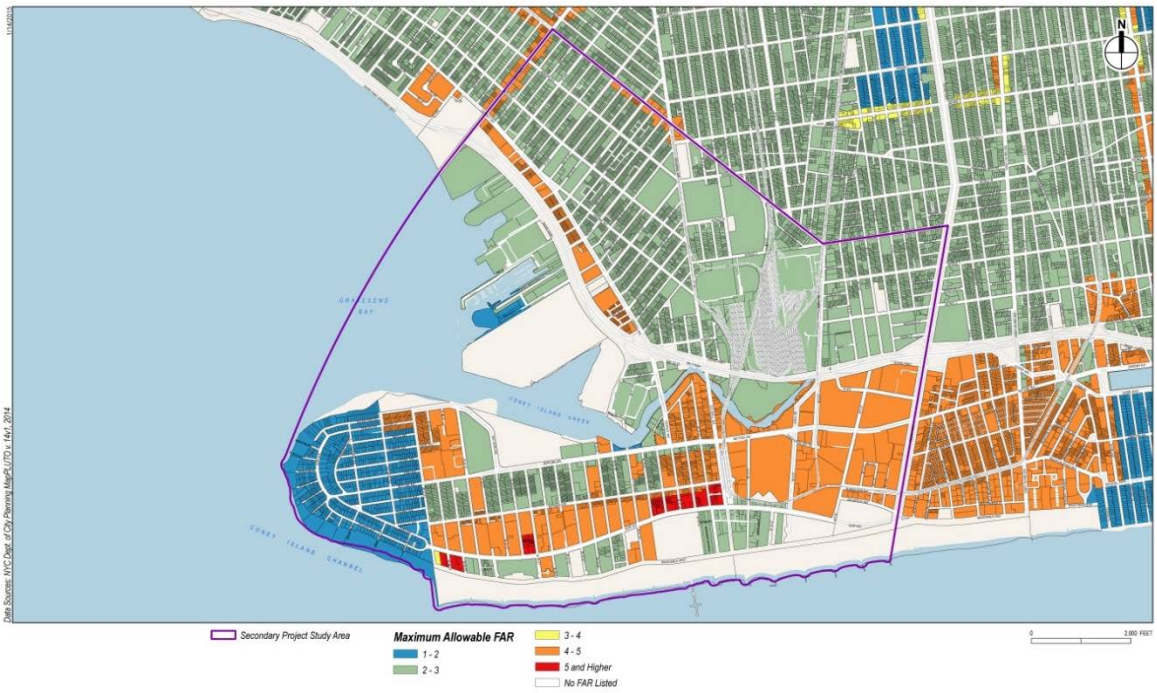

Figure 2.21. Maximum Floor Area Ratio (FAR)

The Special Coney Island District (CI) south of Mermaid Avenue was created in 2009 to preserve and expand amusement and recreational uses while encouraging mixed-use development with affordable housing north and west of Steeplechase Park. New block configurations could improve access to the Boardwalk and respond to base flood elevations. The City is currently studying and undertaking infrastructure and streetscape improvement projects to prepare the sites for development.

The Special Coney Island Mixed Use District (CO), which was revised in 2013, is located north of Neptune Avenue, and was created to stabilize the residential future of the mixed residential and industrial region. There are many specific purposes of the CO, described in greater detail in Chapter 6 of "Article X: Special Purpose Districts" published by New York City DCP. The CO district provides guidance regarding improvements and expansions to residential buildings and for certain manufacturing and commercial uses in the region. The City Planning Commission can grant a special permit for new commercial and manufacturing development at any location within the CO (NYCDCP 2014).

DRAFT

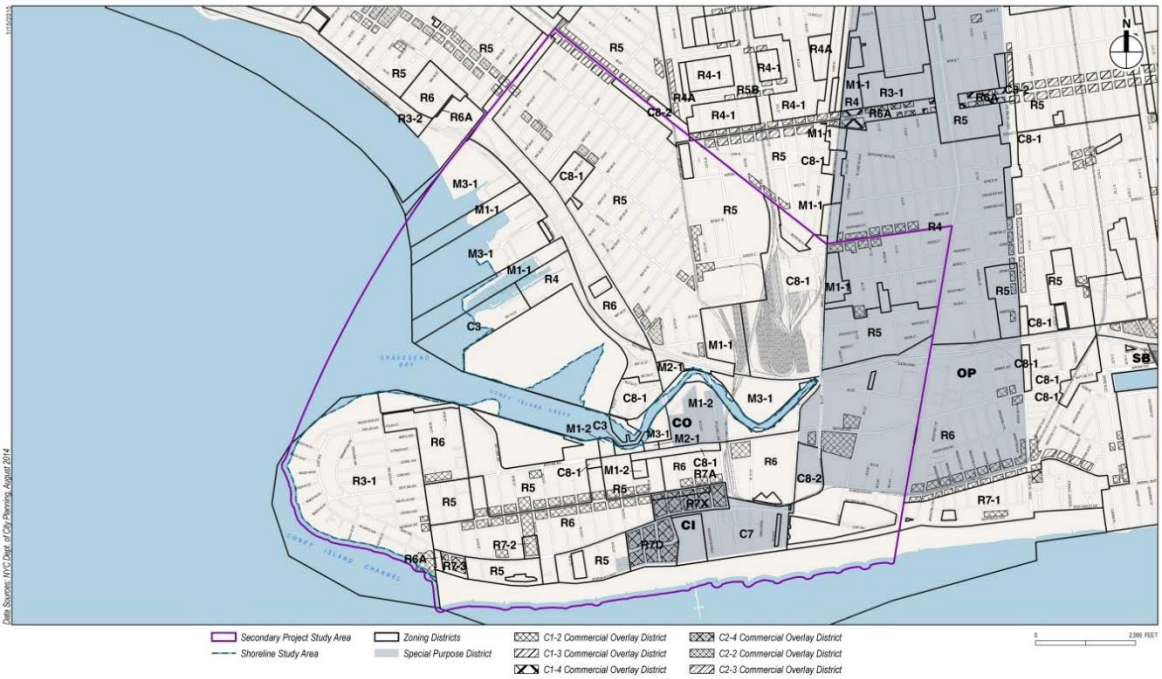

Figure 2.22. Zoning, including Special District Areas

Waterfront zoning includes specific requirements related to building bulk, public access, view corridors, and some design elements. In 2011, *Vision2020* was released to promote greater waterfront access, waterborne transportation, and water-related cultural and educational activities along New York City's shoreline. Within the study area, a Waterfront Access Plan has informed the site design of two private parcels in the study area (the Home Depot and the Brooklyn Bay Center) where public access to the waterfront has been created along the Creek and Gravesend Bay.

2.8.6 Recent and Planned Urban Planning Projects

Since the 2009 Coney Island Comprehensive Rezoning Plan, there have been significant investments in the boardwalk, amusement, and retail area near the Stillwell Avenue train station and MCU Park. This has included resiliency funding, infrastructure improvements, and new recreational destinations such as the Luna Park expansion, Steeplechase Plaza, and the Thunderbolt. Ocean Wonders and the Seaside Park and Community Arts Center are planned to open in 2016. Ocean Wonders will be a 57,000 square foot expansion of the New York Aquarium. It represents the next major investment in the amusement district that draws millions of annual visitors to Coney Island. Similarly, the Seaside Park and Community Arts Center will extend the vitality of the Coney Island Boardwalk westward with the historic restoration of the Childs Restaurant Building as a banquet hall and the creation of an amphitheater for concerts and community events.

At the same time, the City has implemented resiliency measures in public facilities in response to Superstorm Sandy. Flood protection measures have been planned for the MTA Coney Island Yards, Coney Island Hospital, and several area schools, including the Mark Twain IS 239 for the Gifted and Talented located immediately south of the Creek on West 25th Street.

In terms of private development outside the rezoned area, two publicly owned parcels on the Creek have sought bids from developers in the past three years. The former bus terminal on Stillwell Avenue sought bids in 2012. Currently, the North Triangle is on offer for a long-term lease. Earlier in 2015, an application was submitted for a third potential development at 532 Neptune Avenue—one block from Coney Island Creel. The application is for a 40-story mixed-use development of approximately 690,000 square feet. This project would be the largest of its kind in Southern Brooklyn with over 500 market-rate housing units, 120,000 square feet of retail, and 16,000 square feet of community facility space.

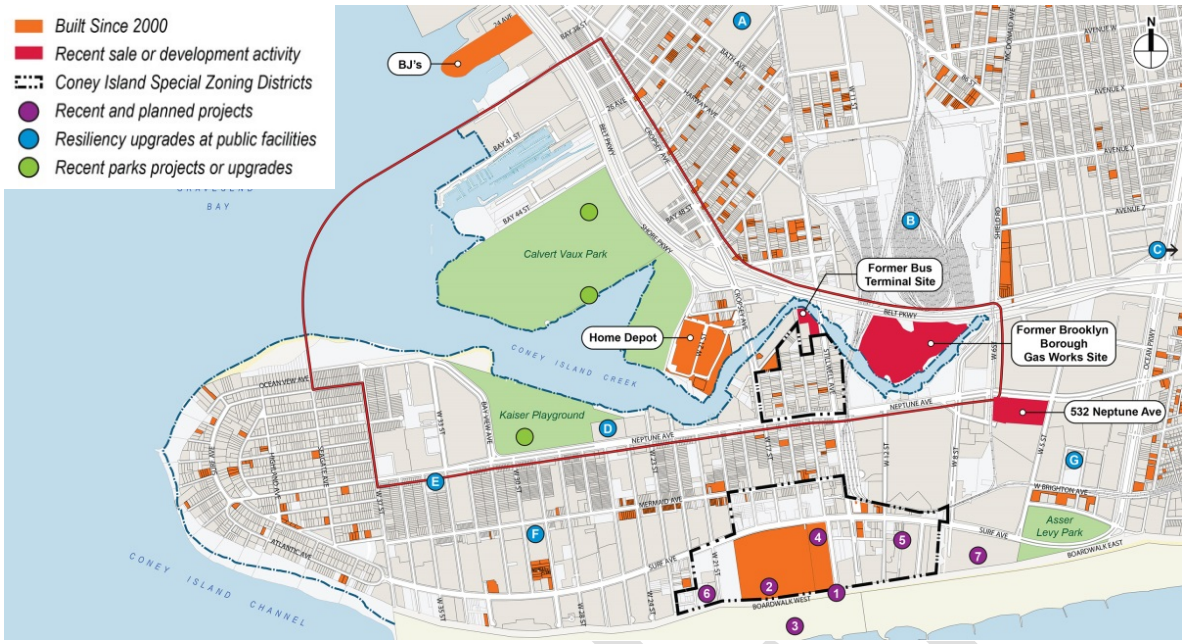

Figure 2.23. Recent and Planned Projects, as of December 2015

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BookletChart™

New York Lower Bay – Northern Part

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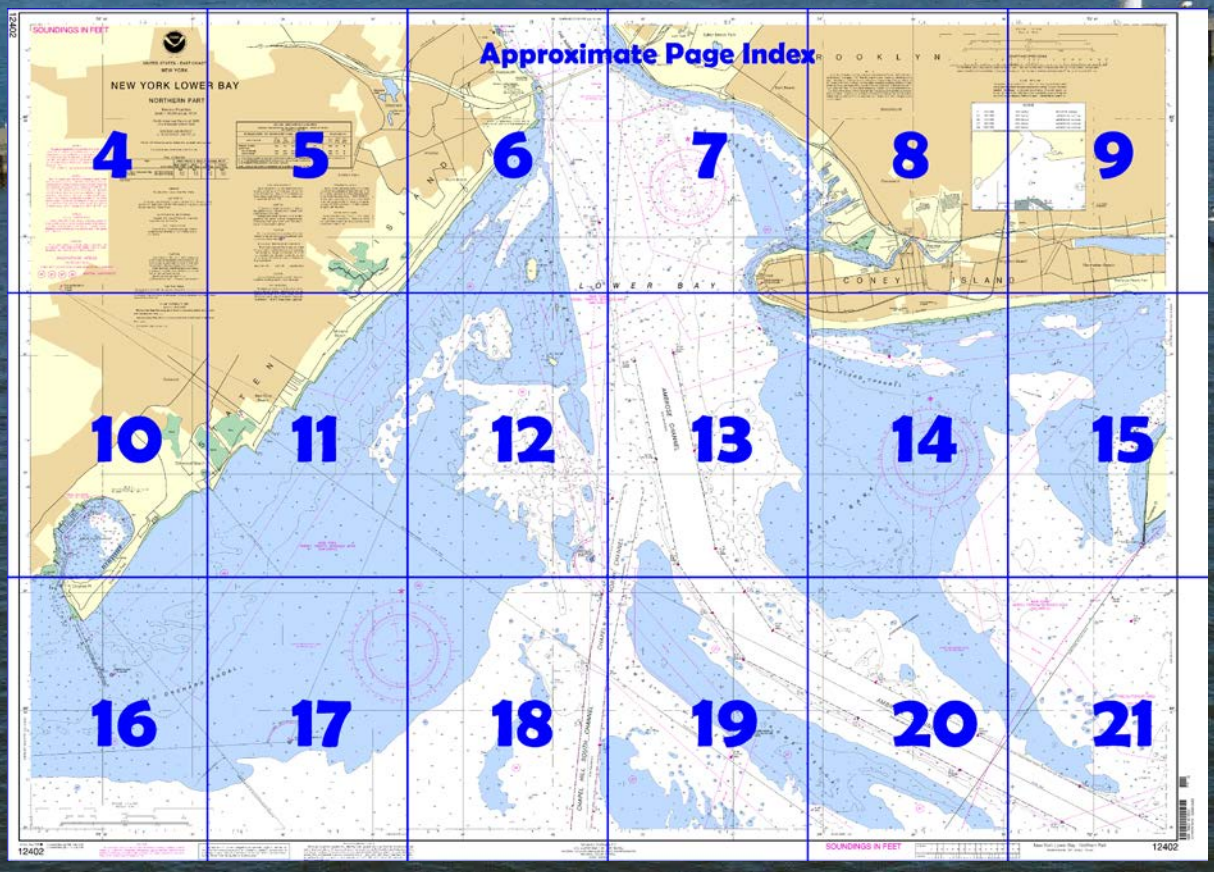


Published by the
National Oceanic and Atmospheric Administration
National Ocean Service
Office of Coast Survey
www.NauticalCharts.NOAA.gov
888-990-NOAA

What are Nautical Charts?

Nautical charts are a fundamental tool of marine navigation. They show water depths, obstructions, buoys, other aids to navigation, and much more. The information is shown in a way that promotes safe and efficient navigation. Chart carriage is mandatory on the commercial ships that carry America's commerce. They are also used on every Navy and Coast Guard ship, fishing and passenger vessels, and are widely carried by recreational boaters.

What is a BookletChart™?

This BookletChart is made to help recreational boaters locate themselves on the water. It has been reduced in scale for convenience, but otherwise contains all the information of the full-scale nautical chart. The bar scales have also been reduced, and are accurate when used to measure distances in this BookletChart. See the Note at the bottom of page 5 for the reduction in scale applied to this chart.

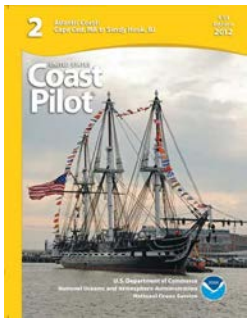
Whenever possible, use the official, full scale NOAA nautical chart for navigation. Nautical chart sales agents are listed on the Internet at http://www.NauticalCharts.NOAA.gov.

This BookletChart does NOT fulfill chart carriage requirements for regulated commercial vessels under Titles 33 and 44 of the Code of Federal Regulations.

Notice to Mariners Correction Status

This BookletChart has been updated for chart corrections published in the U.S. Coast Guard Local Notice to Mariners, the National Geospatial Intelligence Agency Weekly Notice to Mariners, and, where applicable, the Canadian Coast Guard Notice to Mariners. Additional chart corrections have been made by NOAA in advance of their publication in a Notice to Mariners. The last Notices to Mariners applied to this chart are listed in the Note at the bottom of page 7. Coast Pilot excerpts are not being corrected.

For latest Coast Pilot excerpt visit the Office of Coast Survey website at http://www.nauticalcharts.noaa.gov/nsd/searchbychart.php?chart=12402



(Selected Excerpts from Coast Pilot)
Flynns Knoll, between Swash, Sandy Hook, and Chapel Hill Channels, has depths of 9 to 18 feet **Romer Shoal**, between Ambrose and Swash Channels, has depths of 4 to 15 feet and is marked by Romer Shoal Light; a fog signal is sounded from the light station. **East Bank**, northward and eastward of Ambrose Channel, has depths of 5 to 15 feet. **West Bank**, westward of Ambrose Channel between West Bank (Range Front) Light and Fort Wadsworth, has depths from bare to 20 feet. Buoys mark the eastern extremity of West Bank.
Rockaway Inlet the entrance to Jamaica Bay, is between **Rockaway Point** on the southeast side and **Manhattan Beach** and **Barren Island** on the north side. The inlet is obstructed by a shifting sandbar. A jetty, marked near the outer end by a light, extends south from Rockaway Point. The entrance channel extends westward of the jetty and is marked by lighted and unlighted buoys. The channel has depths of about 15 feet or more at midchannel. A shoal with depths of less than 1 foot and marked by breakers is west of the entrance channel. Obstructions at the entrance to the inlet are: covered 22 feet about 0.6 mile south-southwest of the jetty light in about 40°31'55"N., 73°57'00"W.; covered 20 feet about 0.5 mile south-southeast of the jetty light in about 40°31'55"N., 73°56'11"W.; covered 19 feet about 0.6 mile south-southeast of the jetty light in about 40°31'55"N., 73°56'00"W.; covered 15 feet about 0.3 mile southwest of the jetty light in about 40°32'15"N., 73°56'48"W.; and covered 19 feet about 0.3 mile south of the jetty light in about 40°32'08"N., 73°56'27"W.
Coney Island, on the northern side of the entrance to New York Harbor, is a large summer amusement resort.
Coney Island Channel is a buoyed passage along the south side of Coney Island that leads from deep water in Lower Bay to Rockaway Inlet. In January-April 2000, the controlling depth was 12 feet. It is used principally by vessels going to Jamaica Bay and Coney Island.
Gravesend Bay, northward of Coney Island, affords good anchorage in depths of 11 to 50 feet. The southeasterly part of the bay is shoal with depths of 1 to 6 feet.
Coney Island Creek is at the southeastern end of Gravesend Bay and on the north side of Coney Island. Commercial traffic on the creek consists mainly of occasional barge shipments of sand and gravel. The area northward of the entrance to the creek is being filled, and piling is along the northern side of the creek at the filling site. Numerous obstructions and wrecks are in the creek. In February 1991, depths of about 9 feet were available to just below the Cropsey Avenue bridge, about 1 mile above the entrance, but local knowledge is required to carry the best water, thence shoaling to bare to a point about 0.2 mile above the Cropsey Avenue bridge. The creek is crossed by four fixed bridges having a least clearance of 2 feet. A boatyard about 0.8 mile above the creek entrance provides berths, electricity, gasoline, water, ice, storage, marine supplies, and hull and engine repairs. Lifts to 14 tons are available.
Caution.–Numerous fishing floats have been reported in the approach to New York Harbor in Traffic Separation Scheme precautionary area.
Physical Oceanographic Real-Time System (P.O.R.T.S.) is an information acquisition and dissemination technology developed by National Ocean Service, NOAA. The Port of New York and New Jersey Physical Oceanographic Real-Time System can be contacted via telephone 866-217-6787 or the Internet at: **http://www.co-ops.nos.noaa.gov.**
Dangers.–There are five shoal areas in the entrance to New York Harbor which are subject to change in depths and should be avoided by strangers. **False Hook** is off the northeastern side of Sandy Hook. **Flynns Knoll** is between Swash, Sandy Hook, and Chapel Hill Channels. **Romer Shoal**, between Ambrose and Swash Channels, is marked by Romer Shoal Light; a fog signal is sounded from the light station. **East Bank** is northward and eastward of Ambrose Channel. **West Bank** is westward of Ambrose Channel between West Bank (Range Front) Light and Fort Wadsworth. Numerous rocks and obstructions lie between West Bank and the western limit of Ambrose Channel. The chart is the best guide. The tip of Sandy Hook is changeable, and the area around it is subject to severe shoaling; caution should be exercised in the area.
Mariners are cautioned to maintain a sharp lookout for floating debris in the harbor and channels

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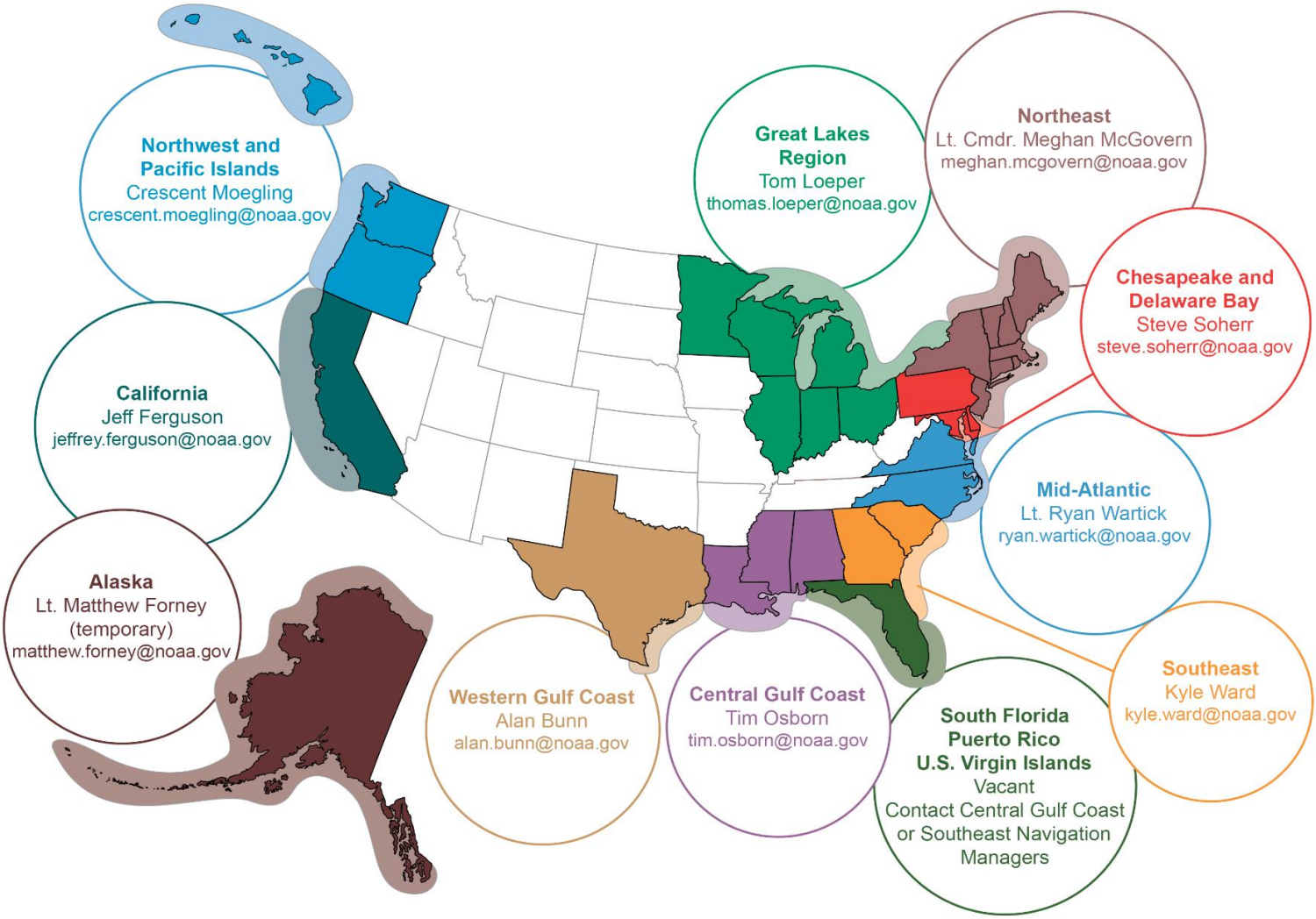
24 hour Regional Contact for Emergencies

RCC Boston	Commander 1st CG District Boston, MA	(617) 223-8555

2

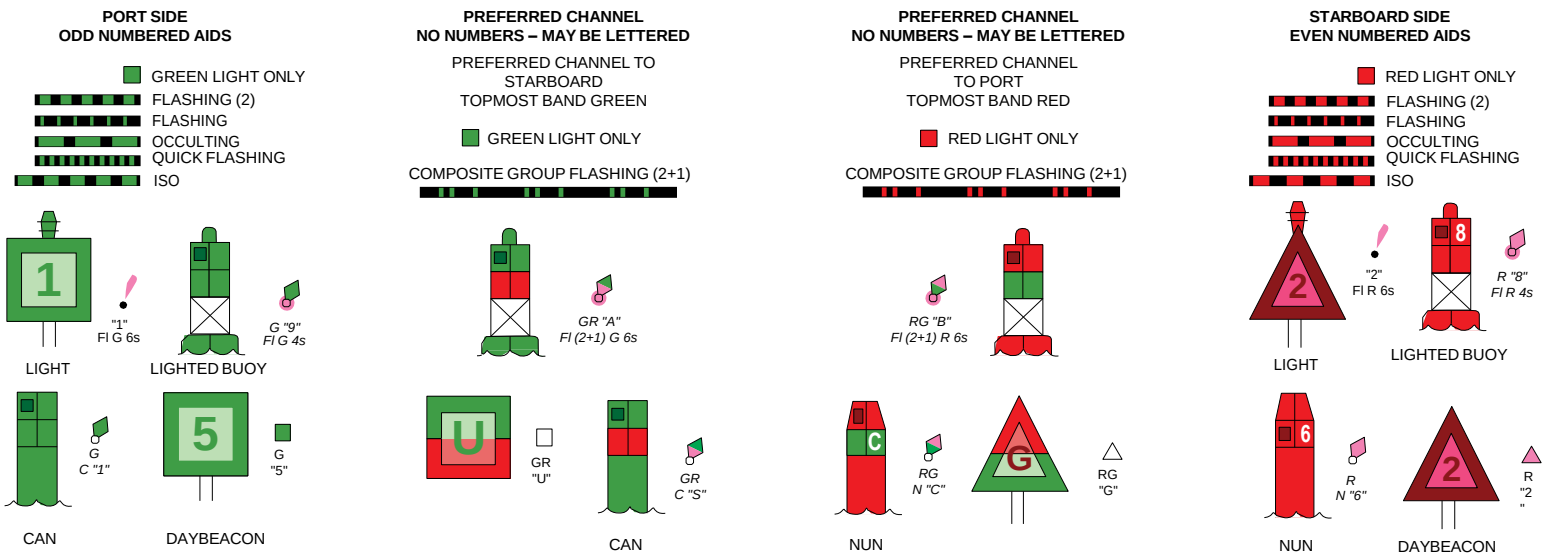
Navigation Managers Area of Responsibility



To make suggestions or ask questions online, go to *nauticalcharts.noaa.gov/inquiry*.
To report a chart discrepancy, please use *ocsdata.ncd.noaa.gov/idrs/discrepancy.aspx*.

Lateral System As Seen Entering From Seaward

on navigable waters except Western Rivers



For more information on aids to navigation, including those on Western Rivers, please consult the latest USCG Light List for your area.
These volumes are available online at *http://www.navcen.uscg.gov*

12402

74° 08' 07'

SOUNDINGS IN FEET

THE NATION'S CHARTMAKER SINCE 1807

UNITED STATES - EAST COAST

NEW YORK

NEW YORK LOWER BAY

NORTHERN PART

Mercator Projection
Scale 1:15,000 at Lat. 40°34'

North American Datum of 1983
(World Geodetic System 1984)

SOUNDINGS IN FEET
AT MEAN LOWER LOW WATER

Additional information can be obtained at nauticalcharts.noaa.gov.

For Symbols and Abbreviations see Chart No. 1

TIDAL INFORMATION

PLACE		Height referred to datum of soundings (MLLW)		
NAME	(LAT/LONG)	Mean Higher High Water	Mean High Water	Mean Low Water
		feet	feet	feet
Norton Point, Gravesend Bay	(40°35'N/74°00'W)	5.3	5.0	0.2
Fort Hamilton	(40°36'N/74°02'W)	5.2	4.9	0.2

Dashes (- - -) located in datum columns indicate unavailable datum values for a tide station. Real-time water levels, tide predictions, and tidal current predictions are available on the internet from http://tidesandcurrents.noaa.gov.

(Aug 2016)

HEIGHTS

Heights in feet above Mean High Water.

AUTHORITIES

Hydrography and topography by the National Ocean Service, Coast Survey, with additional data from the Corps of Engineers, Geological Survey, and U.S. Coast Guard.

SUPPLEMENTAL INFORMATION

Consult U.S. Coast Pilot 2 for important supplemental information.

AIDS TO NAVIGATION

Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.

FISH TRAP AREAS

Boundary lines of fish trap areas are shown thus: — — —

Submerged piling may exist in these areas.

CAUTION

Limitations on the use of radio signals as aids to marine navigation can be found in the U.S. Coast Guard Light Lists and National Geospatial-Intelligence Agency Publication 117.

Radio direction-finder bearings to commercial broadcasting stations are subject to error and should be used with caution.

Station positions are shown thus:
⊙(Accurate location) ○(Approximate location)

PROJECT DEPTHS

Channel legends and tabulations, where indicated, reflect the U.S. Army Corps of Engineers (USACE) project depths. The channel may be significantly shoaler, particularly at the edges. For detailed channel information and minimum depths as reported by USACE, use NOAA Electronic Navigational Charts. Surveys and channel condition reports are available at http://corps.usace.army.mil/Survey/Hydro.

NOTE A

Navigation regulations are published in Chapter 2, U.S. Coast Pilot 2. Additions or revisions to Chapter 2 are published in the Notice to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 1st Coast Guard District in Boston, MA or at the Office of the District Engineer, Corps of Engineers in New York, NY.

Refer to charted regulation section numbers.

NOTE C

The U.S. Coast Guard operates a mandatory Vessel Traffic Services (VTS) system in the New York Bay and surrounding areas. Vessel operating procedures and designated radiotelephone frequencies are published in 33 CFR 161, the U.S. Coast Pilot, and/or the VTS User's Manual. Mariners should consult these sources for applicable rules and reporting requirements. Although mandatory VTS participation is limited to the navigable waters of the United States, certain vessels are encouraged or may be required, as a condition of port entry, to report beyond this area to facilitate vessel traffic management within the VTS area.

NOTE E

PRECAUTIONARY AREA

Traffic within the Precautionary Area may consist of vessels making the transition between operating in Ambrose or Sandy Hook Channels and one of the traffic lanes. Mariners are advised to exercise extreme care in navigating within this area.

WARNING

The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

ANCHORAGE AREAS

110.155 (see note A)

Limits and assigned numbers of anchorage areas are shown in magenta.

24 25 28 GENERAL ANCHORAGES

STATEN ISLAND LT
F 234ft
F 225ft

40° 36'

35'

Joins page 10

4

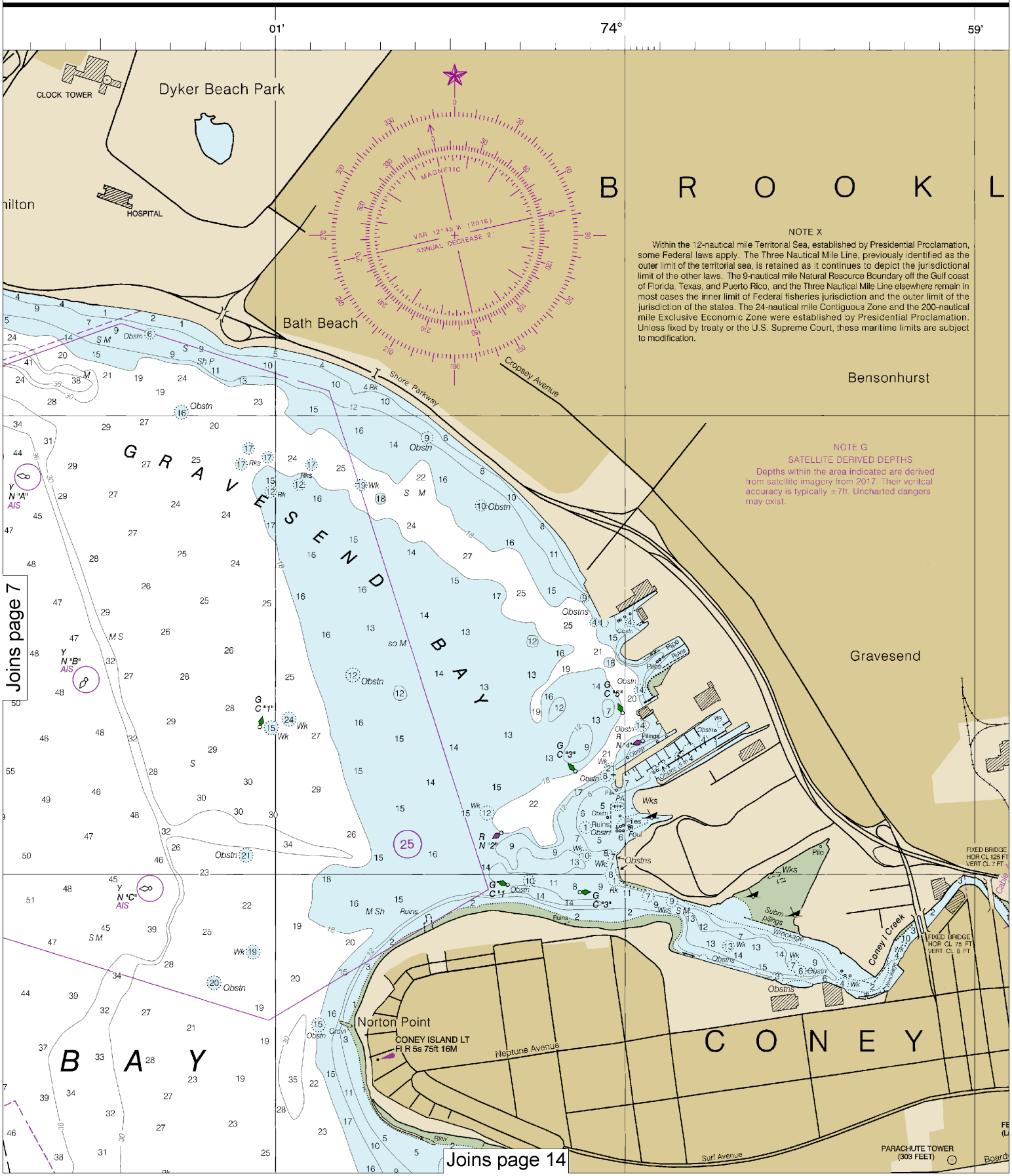
Note: Chart grid lines are aligned with true north.

Printed at reduced scale. ~~SCALE 1:15,000~~

Nautical Miles: 0 — 1

Yards: 500 — 0 — 500 — 1000 — 1500

See Note on page 5.



8

Note: Chart grid lines are aligned with true north.

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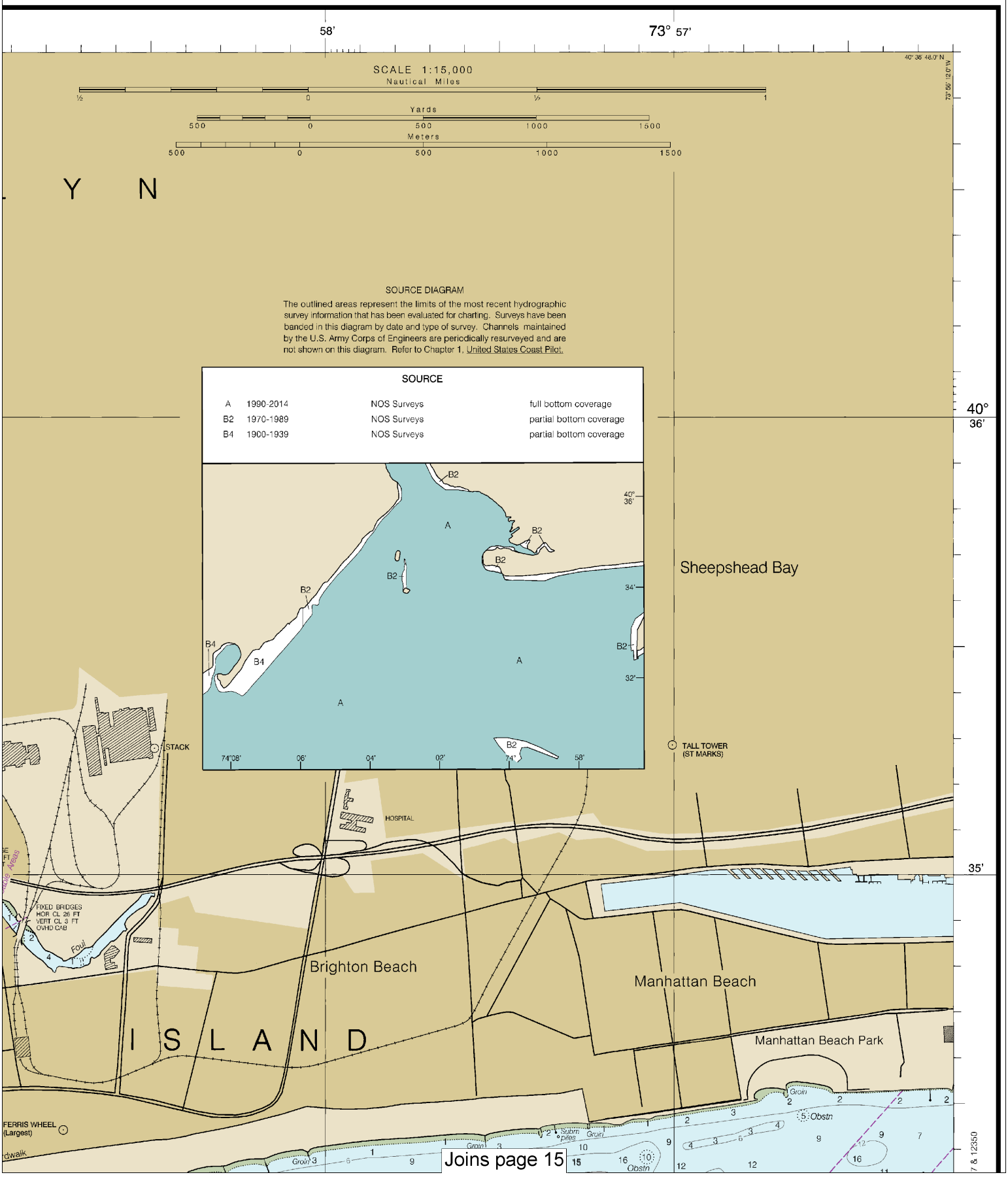
Nautical Miles

0 1

Yards

500 0 500 1000 1500

See Note on page 5.


58'
73° 57'
40° 36' 48.0" N
73° 56' 12.0" W
SCALE 1:15,000
Nautical Miles
½ 0 ½ 1
Yards
500 0 500 1000 1500
Meters
500 0 500 1000 1500
SOURCE DIAGRAM
The outlined areas represent the limits of the most recent hydrographic survey information that has been evaluated for charting. Surveys have been banded in this diagram by date and type of survey. Channels maintained by the U.S. Army Corps of Engineers are periodically resurveyed and are not shown on this diagram. Refer to Chapter 1, United States Coast Pilot.
SOURCE
A 1990-2014 NOS Surveys full bottom coverage
B2 1970-1989 NOS Surveys partial bottom coverage
B4 1900-1939 NOS Surveys partial bottom coverage
40° 36'
Sheepshead Bay
34'
32'
74°08' 06' 04' 02' 74° 58'
STACK
TALL TOWER (ST MARKS)
HOSPITAL
35'
FIXED BRIDGES
HOR CL 26 FT
VERT CL 3 FT
OVHD CAB
Foul
Brighton Beach
Manhattan Beach
Manhattan Beach Park
I S L A N D
FERRIS WHEEL (Largest)
Groin
Obstn
Subm piles
Joins page 15
7 & 12350



News

APARTMENTS DUMPED 200,000 GALLONS OF SEWAGE PER DAY INTO CONEY ISLAND CREEK

By Caroline Spivack

Posted on October 4, 2016



Second source?: Last year the city busted an apartment complex for this illegal hookup dumping sewage into Coney Island Creek. But research shows levels of fecal pollution

Talk about being up s— creek.

Sixteen buildings in Gravesend's Beach Haven Apartments have been dumping roughly 200,000 gallons of raw sewage per day into Coney Island Creek — possibly for years — regulators discovered earlier this month. The stream passes two parks and several beaches on its way to the harbor, borough students routinely wade into its fetid waters for city-run educational programs, and some even use the creek for religious rites, which makes the revelation particularly reviling, one environmental advocate said.

"The potential damage to the community itself is appalling," said Coney Island activist Pamela Pettyjohn. "All summer people go swimming, fishing, boating in there — I mean there are religious ceremonies in there where people are baptized."

The city discovered the dumping on Sept. 7 and notified state regulators, according to e-mails between the state and water advocates shared with this paper.

Workers diverted 200,000 gallons per day of fecal flow from clogged sewer pipes into a storm drain that spills into the creek near Shell Road and Shore Parkway, according to city and state officials. That's the same rate as the infamous Deepwater Horizon oil spill, which garnered international headlines for its prodigious output in 2010.

The apartments have since fixed the issue and stopped dumping in the creek, according to a spokesman from the Department of Environmental Protection.



Soak it in: Imagine Gowanus's Double D Pool was twice its size and filled with feces — that's how much raw sewage was dumped into Coney Island Creek on a daily basis.

File photo

The agency did not respond to questions about penalties for the illicit dumping, why it did not alert locals when it found out, or how long Beach Haven had been at it. The complex may have been sending sewage into the creek for months or years, according to Water Trail Association co-founder Rob Buchanan, who is in conversation with the state on the matter.

A rep at Beach Haven denied any involvement — despite the city's confirming it was responsible — and suggested it may have been a neighboring complex.

"That is completely untrue, we would never, never do such a thing," said Sam, a spokesman for the Beach Haven's management company Apartment Management Associates who refused to give his last name. "We don't operate that way. Perhaps you have us confused with the Beach Haven Apartments next door."

The creek had the city's turdiest water in 2014, according to analysis by data crunchers at blog I Quant NY.

Harbor watchdogs the Waterfront Alliance first noted the dumping in a blog post.

Reach reporter Caroline Spivack at cspivack@cnglocal.com or by calling (718) 260–2517. Follow her on Twitter @carolinespivack.



Holy crap: The heavily polluted Coney Island Creek is a popular spot for baptisms.

Charles Denson

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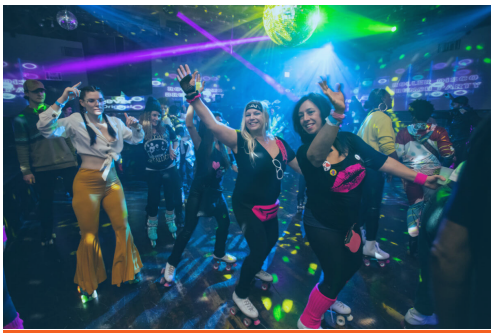


Sat, March 28

Roller Disco Brunch Party



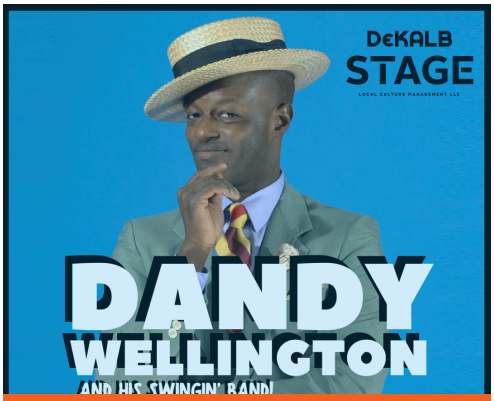
Sun, March 29

Bloody Brains in a Juke Box



Tue, March 31

Mario Kart with Drinking Rules!



Wed, April 8

Dandy Wellington and His Swingin' Band

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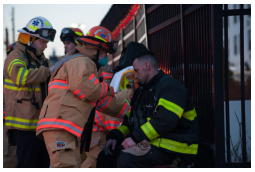

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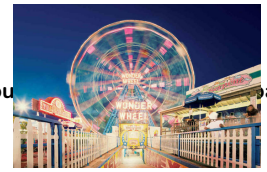

partment

Coney Island amusement park postpo

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News

CASTING NO DOUBTS: FISHERMEN FINE WITH POOP-FILLED CREEK

By Caroline Spivack

Posted on October 10, 2016



They don't give a fluke.

Fishermen who drop their lines in Coney Island Creek are unfazed by news that a nearby apartment complex was recently caught dumping 200,000 gallons of raw sewage per day into the stream — and they aren't going to stop eating their catches just because there's a little extra seasoning in the water, one angler said.

"We've been coming here to fish and eating the fish for about 20 years, and nothing's happened — why stop?" said Arlen Wagner, a Bushwickian who was plucking striped bass, fluke, and bluefish from the brook with his brother and nephew on Saturday.

Regulators discovered on Sept. 7 that roughly 1,000 apartments in 16 buildings were dousing the creek with waste water via an unsanctioned hook-up to an emergency storm drain. Officials say the problem is fixed, but they are not saying how long it was going on.

Four of six rodsmen in Kaiser Park on Saturday said they'd keep fishing there — the other two were only unsure whether they'd keep casting lines.

Activists tried to warn anglers, but they couldn't hook them, one said.

"We tried to make them aware and some of them just don't seem to care," said Orlando Mendez.

Contact with sewage-polluted water — and eating fish from such seas — can lead to illness, according to the Environmental Protection Agency.

Fisherman don't seem to care, but the city should at least alert locals when the creek is also teeming with Coney Island Brownfish, Mendez said during an Oct. 7 rally pooh-poohing the city for not broadcasting that it discovered the fecal flow.

"There's no educational effort. The city hasn't reached out and notified anybody — not the residents, not the local elected officials, not the stakeholders," he said.

Reach reporter Caroline Spivack at mspivack@cnglocal.com or by calling (718) 260–2517. Follow him on Twitter @carolinespivack.



They're hooked!: Fishermen don't care that an apartment complex was recently caught dumping 200,000 gallons of sewage a day into Coney Island Creek.
Community News Group / Caroline Spivack

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Roller Disco Brunch Party



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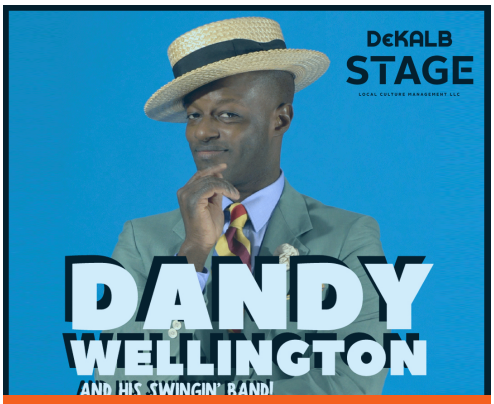
Tue, March 31

Mario Kart with Drinking Rules!



Wed, April 8

Dandy Wellington and His Swingin' Band

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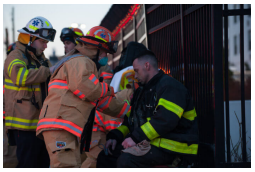

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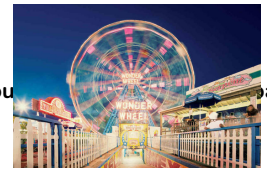

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d Creek, Future



The Coney Island Creek, a much-loved waterway in Brooklyn, may be transformed by several future projects. All photos by Nathan Kensinger.

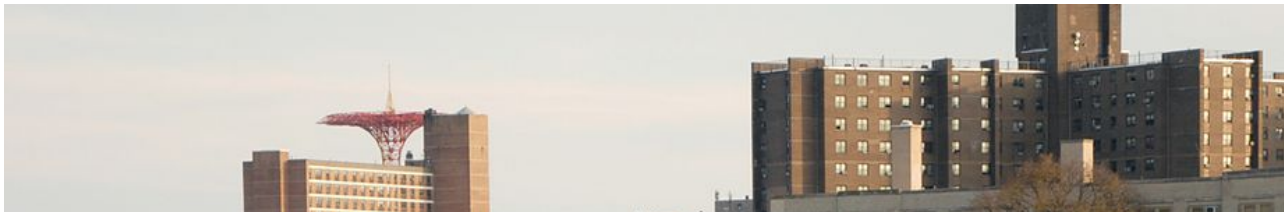
LONGFORM

Deep dives on cities, architecture, design, real estate, and urban planning.

*Welcome back to **Camera Obscura**, Curbed's series of photo essays by Nathan Kensinger. This week, Kensinger examines the **Coney Island Creek** as part of a mini series exploring NYC's lesser-known bodies of water.*

At the mouth of the Coney Island Creek, a man with a cross wades out towards the Verrazano Bridge, stepping gingerly through lapping waves. His path is intersected by a barefoot fisherman, stalking his prey with a homemade net. It is mullet season, and soon it will be time for bunker. Brant geese are overhead, arriving from Canada by the thousands for the winter. Their migratory home is overlooked by the fire pits of several homeless camps, which have occupied a city park for over eight years.

These intersections are just one piece of the untamed landscape of the **Coney Island Creek**, a tidal estuary that hides a staggering array of wildlife and wild activity behind the fences and overgrown lots that line its banks. Perhaps best known for its boat graveyard and sunken yellow submarine, this two-mile long waterway is also a popular destination for birders, fishermen, kitesurfers, drone operators, preachers, explorers and divers. "Educational, spiritual, environmental, culturalthere's a lot going on there," said Charles Denson, the director of the Coney Island History Project. Yet despite this array of visitors, "a lot of the people who live right here don't even know that the creek is there. They don't know what it is," said Denson. "There is an **amazing history that is not generally known**."





Coney Island Creek once separated the Coney Island peninsula from Brooklyn's mainland, but it was partially filled with debris in the first half of the 20th century. It now dwindles down from Gravesend Bay before dead-ending mid-peninsula at Shell Road. The broad mouth of the creek is **lined with parks**, while its shallow head is bracketed by empty lots, warehouses, and an MTA train yard. Over the last half-century, the waterway has been polluted by raw sewage and industrial waste, but in recent years it has seen a remarkable recovery, according to Charles Denson, who has watched it evolve from "an open sewer" known to locals as **Stink Creek and Perfume Bay** into "one of the most beautiful spots in New York."

"I used to go down there as a little kid and explore everything that washed up there," said Denson, who has been documenting life on the creek since the 1960s. "It was kind of a **vast wasteland**, but it just had this pull, this mystique that was overwhelming for a kid." More than 40 years later, he is now working on a book and feature film about the history of the creek, and has installed placards along its shoreline tracing out its story. Although some sections of the inlet are still littered with flotsam, "it's been cleaned up in the last 20 years. Actually, since the Clean Water Act, it's really improved so much," said Denson. "I kayak there all the time and it is just amazing how it's been transformed."



Those who live along the creek agree. "I just love it here. We are out here every day," said Gia Concheiro, whose home is situated mid-creek, with the water lapping a few feet from her back door. She and her daughter have built handmade traps for crabs, and catch bait fish by the hundreds, which they feed to their cat. Geese, swans, ducks, spear fishermen, and paddle boaters have all cruised through their backyard. "I've never seen such beautiful things in Brooklyn like that," said Concheiro. "I love to be near the water."

The banks of the creek also host **several elaborate homeless camps**, handmade from scrap wood and tarps. Some have been active for years, while others are temporary structures hidden in empty lots. "It's a very good home," said Oleksandr Ivanytsya, a Ukrainian immigrant who lives in a cinderblock hut facing the waterway. He shares the small building with four other men, who have nicknamed their campsite the Russian Reservation. "My friends sleep on the beach," said Ivanytsya, but he prefers the quiet solitude of the creek. "Good villa. No chicken house, this."



Unfortunately, the bucolic landscape of the Coney Island Creek may soon be radically altered by several large construction projects. During Hurricane Sandy, the ocean surged up this inlet and "was the main source of inundation" into surrounding neighborhoods, causing widespread damage. To address this, the city has proposed creating a tidal barrier and wetlands at the mouth of the creek, to reduce damage from future storms. The proposal has its detractors in the community. "**Anyone who fishes there thinks it's a terrible idea**," said Denson. "The plan right now calls for culverts and flood gates, which is an outdated technology and definitely wouldn't work on the creek."

At the end of the creek, where public waterfront access is severely limited, several new construction projects are being planned on large swaths of open land along the shoreline. These include a storage warehouse that is replacing the former headquarters of the Brooklyn Union Gas Company, and recently announced plans to sell the development rights for a 17-acre remediated National Grid brownfield. What these proposals will mean for the wilderness of the creek has yet

to be determined, but Charles Denson sees a different future for the waterway. "My feeling is that it **could be passive**, it shouldn't be mechanical," he said. "It's going back to undoing what development did over the years."



At the wide mouth of the Coney Island Creek, looking out onto Gravesend Bay and the Verrazano Bridge, the waters are used for fishing, kitesurfing, boating, and baptisms.





In Coney Island Creek Park, fishermen wait to cast their nets onto passing schools of mullet. The city has proposed building a dam at this section of the creek, with a bridge connecting both shores.



The water here is currently home to a wide variety of marine life, including bunker, bass, flounder, and fluke who swim in from the ocean. Fishermen use nets, seines, and poles to catch their prey.



One of Charles Denson's historical placards, which line a walkway in Kaiser Park. A fishing platform has been built here by the city.





East of these two parks, a communal dump lines the south shore of the creek. Discarded televisions, luggage, and boats are common along the inlet's coast.



On the opposite shore, Calvert Vaux Park sits at the mouth of the creek, **named for the famed landscape architect who drowned nearby**. The park is also

home to Jerry Bianco's Quester I submarine, which sunk here in 1981.

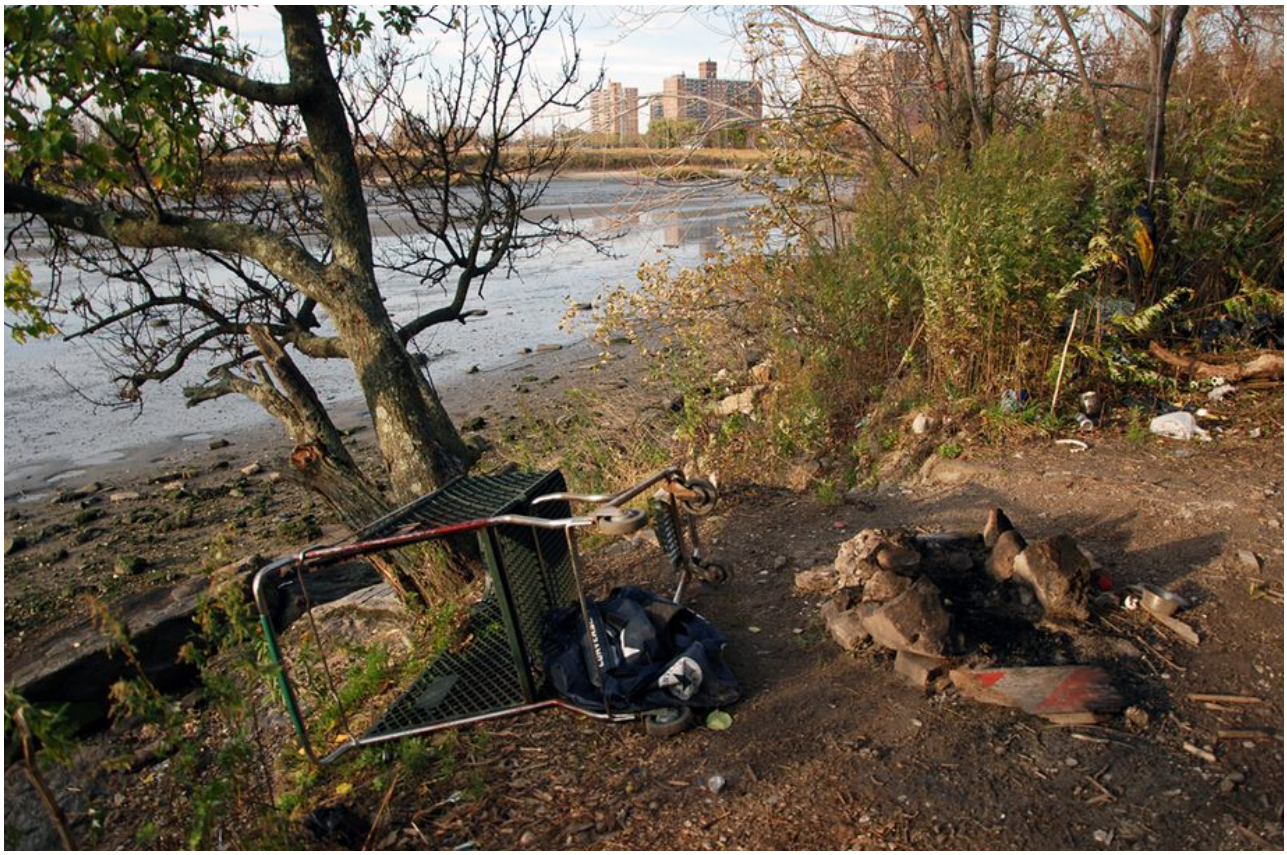


The park, formerly known as Dreier-Offerman Park, recently underwent a $40 million renovation that built new boat launches, beaches, and trails. "This whole area was completely cordoned off for years," said one local birder. "We were accessing it through a hole in the fence."

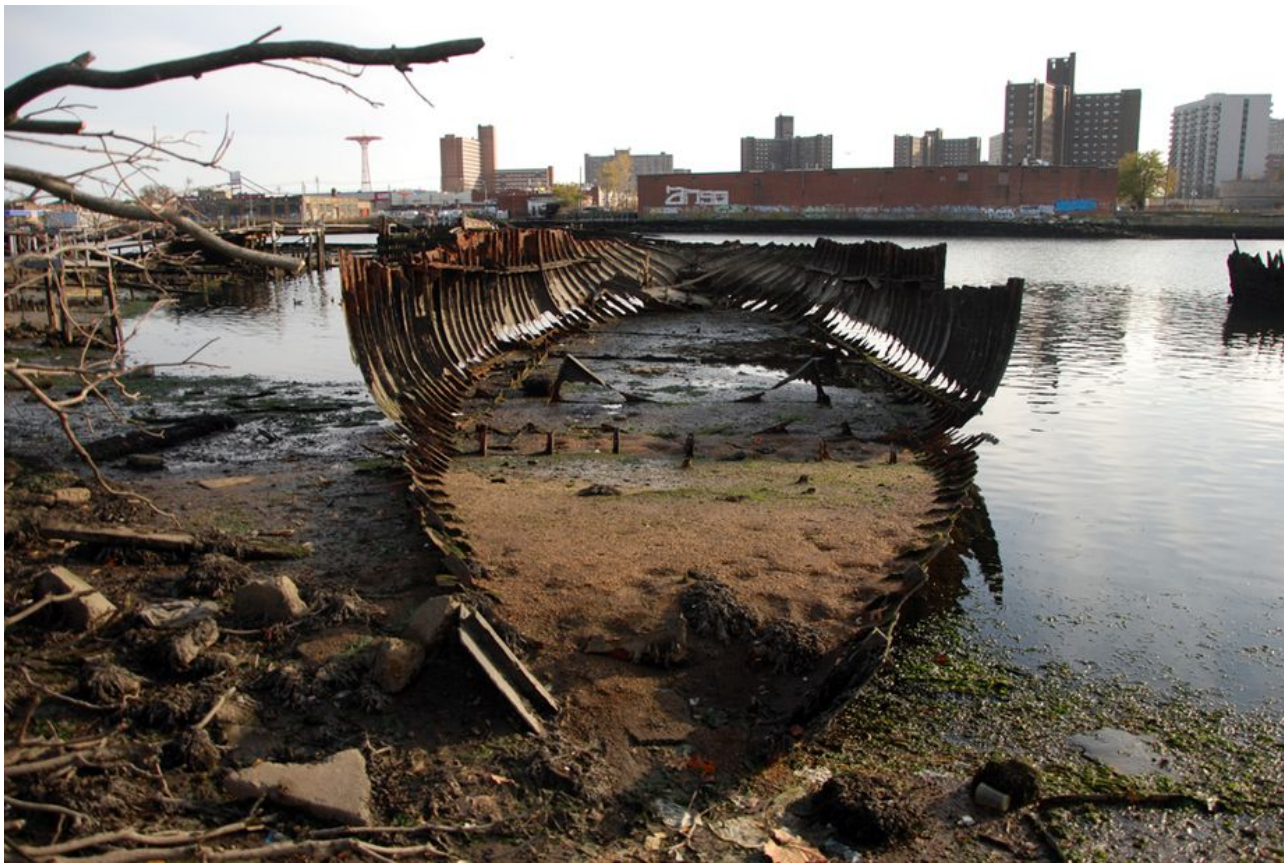




New paths now cut through native plantings. "Only in the last week or so has the fence come down," said the birder, although in 2007, a rare sighting of a western reef heron brought visitors here from around the United States.

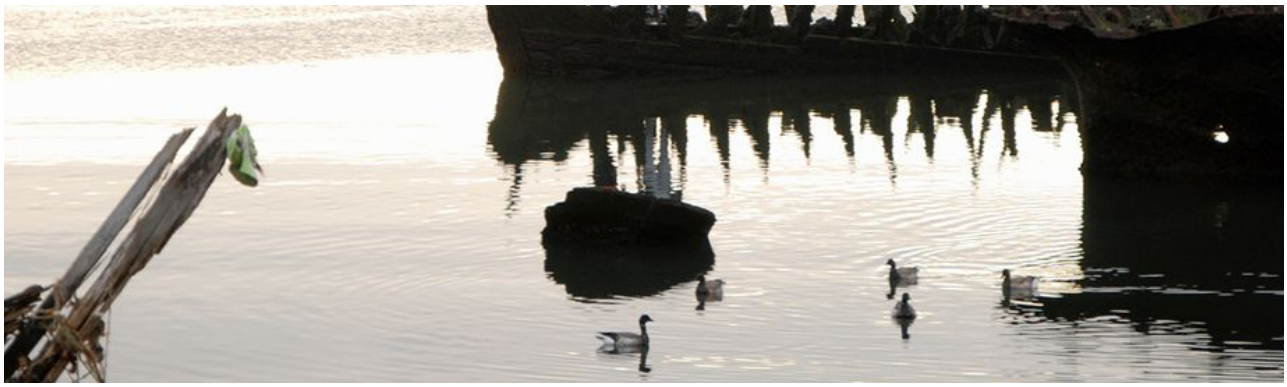


In the adjacent Six Diamonds Park, a homeless camp with shopping carts and fire pits looks out over the marshy bay. Homeless camps are on the rise in city parks, according to the *Times*, because "the city's homeless population is at a record high."



Sunken boats, accessible at low tide, line the edges of the creek near Six Diamonds. Homemade piers and wooden planks allow access to the ruins and the water.





This area also fronts a Public Waterfront designated by the Department of City Planning and maintained by Home Depot. It is a popular destination for photographers. A tarp shelter has been built on the shore nearby.



Gia Concheiro's house is the only home situated directly on Coney Island Creek. Her backyard is open water. "We came right after Sandy, so there was water in the basement," she said.



Concheiro has caught crabs, bass, and bait fish off her back porch. "I wish it was a little cleaner, but for what it is, it's not bad," she said. "I've never seen so many bugs. It's like country stuff."

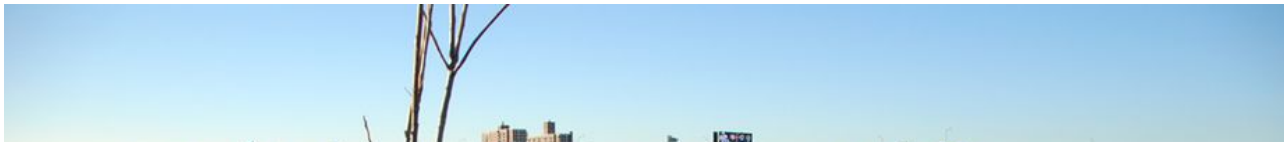




Across the creek from Concheiro's house, a homeless camp has been built into an overgrown empty lot. The shed here is made of plywood and logs, and has enough room for several guests.



Further east along the creek, National Grid recently remediated this 17-acre toxic brownfield, which was once home to the Brooklyn Borough Gas Works, a "former coal-tar processing and gasification facility," according to a remediation report.





The cleanup included dredging hazardous waste from the creek, capping the creek bed, and creating "a 50-foot-wide ecological buffer zone" around the property. The lot is now on the market. "I think this screams large-scale retail," one broker told *Crain's*.





Across the creek from the National Grid site is a fenced off no-mans-land that was once home to the Brooklyn Union Gas Company's headquarters. Recently demolished by Keyspan, the area is now popular with swans and graffiti artists.



Pilings are being driven into the ground here for a new storage warehouse that will soon rise at the creek's edge, a common use for waterways around the city.

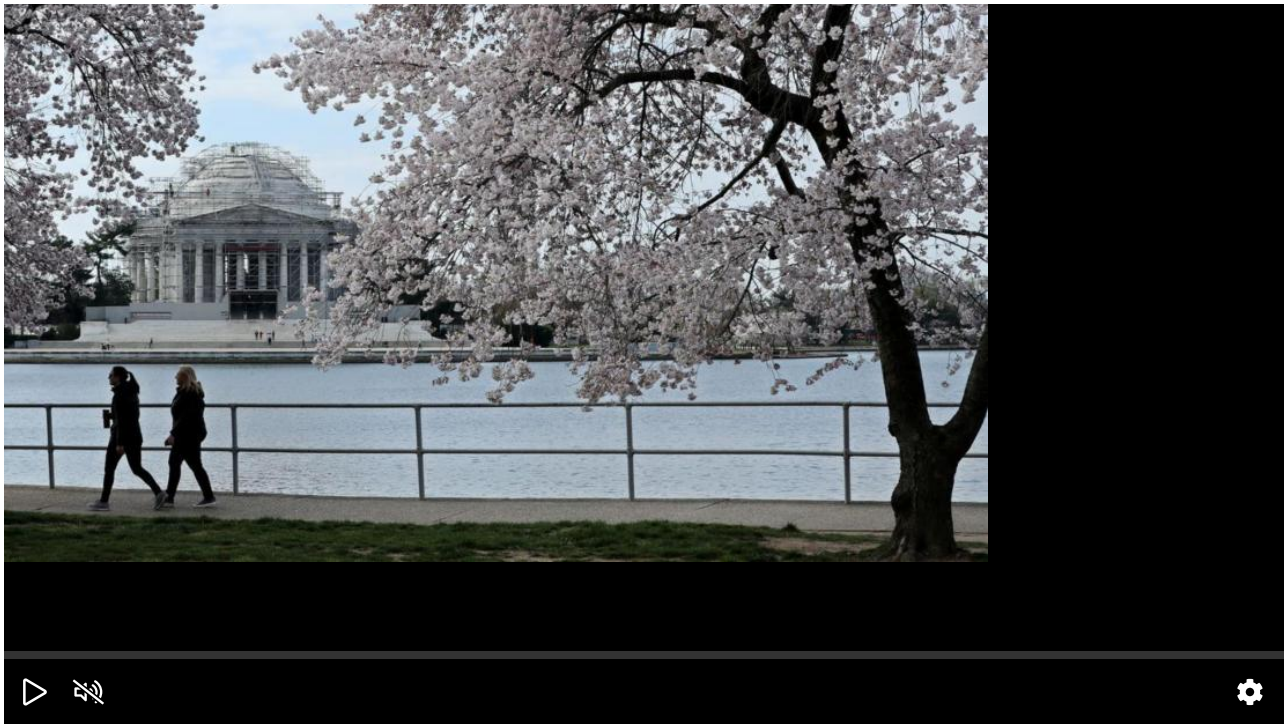




The end of the creek, overshadowed by a Property For Sale sign. The fate of the creek is in limbo, but Charles Denson plans to continue advocating for its natural areas. "It's really important to show the creek as an asset, instead of a liability," he said. "And there's a lot of love for it, actually, for this waterway."

· Nathan Kensinger [Official]

· Camera Obscura archive [Curbed]





In the coronavirus crisis, who gets to be outside?

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PROJECT NOTE	WESTON SOLUTIONS, INC.
To: Coney Island Creek Site file	**Date:** August 9, 2021
W.O. No.: 40200.036.049.6200	
From: Kelly Gaffney, Weston Solutions, Inc.	
Subject: Sensitive Environments and Wetlands Calculations	

Attachments

A. Krahling, Heidi, New York State Department of Environmental Conservation (NYSDEC). Letter to Scott Snyder, Weston Solutions, Inc, Re: Coney Island Creek; with attached references. April 27, 2020. [56 Pages]
B. New Jersey Department of Environmental Protection (NJDEP), Division of Fish & Wildlife. New Jersey's Endangered and Threatened Wildlife. Accessed and downloaded from https://www.nj.gov/dep/fgw/tandespp.htm on March 3, 2020. [26 Pages]
C. New York-New Jersey Harbor & Estuary Program (HEP). State of the Estuary 2012: Environmental Health and Trends of the New York-New Jersey Estuary. 2020. [32 pages]
D. National Park Service. Gateway National Recreation Area NY, NJ, Maps and Gateway unit Maps. Accessed and downloaded from https://www.nps.gov/gate/planyourvisit/maps.htm on August 9, 2021. [5 pages]

This project note serves to provide information about HRS-eligible Sensitive Environments within a 4-mile radius and 15 downstream miles of the Coney Island Creek site.

Species Habitats

Geographic Information System (GIS) shapefiles of protected natural areas, critical environmental areas, and wetlands were obtained from the NYSDEC Natural Heritage Program (NHP), NYSDEC Division of Environmental Permits, and US Fish and Wildlife Services (USFWS). WESTON personnel incorporated this data into Figure 4: 4-Mile Radius Map and Figure 5: 15-Mile Surface Water Pathway Map of this report. As the 15-mile surface water pathway also includes water bodies that fall within the boundary of New Jersey, GIS shapefiles obtained from the New Jersey Department of Environmental Protection (NJDEP) Landscape Program were also used to map sensitive environments and are incorporated into Figure 5 of this report.

A conservative approach was used regarding NY Protected Areas (i.e., State-designated Natural Areas per the HRS); each Protected Area was counted once, and accounted for in the closest distance ring to the Site Reference Location. Protected Areas within each radius ring are summarized in Table 1. *Note: The NY Protected Areas database includes municipal parks, which are not evaluated as sensitive environments.*

As a supplement to the GIS shapefiles discussed above, NYSDEC NHP provided a list of Federal- and State-listed threatened and endangered mammal, bird, and fish species that occur within a 4-mile radius and within 15 downstream miles of Coney Island Creek [see Attachment A]. The information provided by NYSDEC NHP also included the identity of significant natural communities and vascular plants; however, NYSDEC did not identify these communities and species as within a 4-mile radius or 15 downstream miles of Coney Island Creek. Therefore, these communities and species are not included in the counting of Sensitive Environments associated with the site. Information regarding specific habitats of the birds listed in the NYSDEC NHP information was used to confirm that the species habitat is likely to include marine habitats and therefore be included in both the 4-mile radius and 15-downstream miles (coastal tidal waters)

[see Attachment A].

As a supplement to the GIS shapefiles discussed above, an NJDEP Division of Fish & Wildlife (FWS) list of Federal- and State-listed threatened or endangered species is used to determine the status of each species shown on Figure 5 [see Attachment B]. Those species and protected areas that are included in multiple distance rings or in both the New York and New Jersey databases are counted only once at the closest first appearance. Coney Island Creek is a tidal arm of the NY-NJ Harbor Estuary.

Wetlands Calculations – 4-Mile Radius

In order to calculate HRS-eligible wetlands within the specified radii within the 4-mile target distance limit of the Coney Island Creek site, Weston personnel performed the following:

1. Obtained a wetland GIS shapefile from the U.S Fish & Wildlife Service's National Wetland Inventory. The link to that database is: http://www.fws.gov/wetlands/Data/State-Downloads.html.
2. Wetlands were then classified as HRS eligible or not HRS eligible based on the 40CFR 230.3 definition of a wetland.
3. Using the ESRI ArcGIS 10.7.1 Multiple Ring Buffer tool generated ¼, ½, 1, 2, 3, and 4 mile buffers around the site reference location.
4. Using the ESRI ArcGIS 10.7.1 Clip tool, HRS eligible wetlands were clipped to each radius ring.
5. Using ArcGIS 10.7.1 and XTools Pro for ArcGIS desktop version 20.0, areas were calculated for each of the individual wetlands.
   The total area of each individual HRS wetland within each radius ring was then summed resulting in the total HRS wetland area between each radius ring. The results are summarized in Table 1:

Wetlands Calculations – 15-Mile Surface Water Pathway

In order to calculate HRS-eligible wetland frontage in miles along the 15-mile surface water pathway of the Coney Island Creek site, Weston personnel performed the following:

1. Obtained a wetland GIS shapefile from the U.S Fish & Wildlife Service's National Wetland Inventory. The link to that database is: http://www.fws.gov/wetlands/Data/State-Downloads.html.
2. Wetlands were then classified as HRS eligible or not HRS eligible based on the 40CFR 230.3 definition of a wetland.
3. Using the ESRI ArcGIS 10.7.1 software, a 15-mile pathway was digitized following water bodies on a georeferenced USGS Topographic map.
4. Edges of HRS wetlands that fall along the 15-mile pathway are digitized and assigned a water body for which they fall along.
5. Using ArcGIS 10.7.1 and XTools Pro for ArcGIS desktop version 20.0, the lengths of the individually traced HRS eligible wetlands were calculated.
6. The total length of each individually traced HRS eligible wetlands was then summed based on the water body they fall into. The results are summarized in the Table 2:

Table 1 – Sensitive Environments Within 4 Miles

Distance Ring*	**Sensitive Environment**	**Status**	**HRS-eligible Wetland Area**
0 – ¼	NY-NJ Harbor Estuary	Sensitive area identified under the National Estuary Program	0.00 acre
¼ – ½	None identified*	N/A	0.00 acre
½ – 1	None identified*	N/A	0.00 acre
1 – 2	NYSDEC Critical Environmental Area	State-designated Natural Area	0.00 acre
2 – 3	Gateway National Recreation Area	National Seashore Recreation Area	29.4 acres
	NYSDEC-designated Natural Heritage Site	State-designated Natural Area	
	Hudson River Significant Biodiversity Area	Unique biotic community	
3 – 4**	Fin whale	Federal-listed endangered	103.3 acres
	Humpback whale	Federal-listed endangered	
	Rosate tern	Federal-listed endangered	
	Piping plover	Federal-listed threatened	
	Northern harrier	State-listed threatened	
	Short-eared owl	State-listed endangered	
	Common tern	State-listed threatened	
	Peregrine falcon	State-listed endangered	
	Least tern	State-listed threatened	
	Least bittern	State-listed threatened	
	Pied-billed grebe	State-listed threatened	
	Bald eagle	State-listed threatened	
Total			**132.7 acres**

* Municipal parks or beach areas are not evaluated as a sensitive environments.

** With the exception of the Fin whale, the exact location of the habitats listed above are unknown; therefore, the conservative approach of evaluating each species habitat as being located within the 3–4 mile distance ring is used. The entire 4-mile radius lies within New York.

Table 2 – Sensitive Environments Within 15 Downstream Miles

Water Body	Sensitive Environment	Status	Wetland Length (Miles)
Coney Island Creek	NY-NJ Harbor Estuary	Sensitive area under the National Estuary Program	0.0
Arthur Kill	Bald eagle	State-listed endangered (NJ) State-listed threatened (NY)	1.3
	Cattle egret	State-listed threatened	
Atlantic Ocean	Fin whale	Federal-listed endangered	0.0
	Humpback whale	Federal-listed endangered	
Jamaica Bay	Gateway National Recreation Area	National Seashore Recreation Area	31.4
	NYSDEC Critical Environmental Area	Sate-designated Natural Area	
	NYSDEC-designated Natural Heritage Site	State-designated Natural Area	
	Hudson River Significant Biodiversity Area	Unique biotic community	
Kill Van Kull	Osprey	State-listed threatened	1.0
Lower Bay	None identified	N/A	0.2
Newark Bay	Checkered white	State-listed threatened	0.0
	Black-crowned night heron	State-listed threatened	
Raritan Bay	Black skimmer	State-listed endangered	2.8
	Atlantic loggerhead	Federal-listed endangered	
Sandy Hook Bay	None identified	N/A	1.3
Upper New York Bay	Shortnose sturgeon	Federal-listed endangered	1.8
Unspecified coastal tidal waters	Northern harrier	State-listed threatened	N/A
	Rosate tern	Federal-listed endangered	
	Common tern	State-listed threatened	
	Peregrine falcon	State-listed endangered	
	Piping plover	Federal-listed threatened	
	Least tern	State-listed threatened	
	Least bittern	State-listed threatened	
	Pied-billed grebe	State-listed threatened	
	Bald eagle	State-listed threatened	
	Atlantic sturgeon	Federal-listed endangered	
Total			**39.9**

PROJECT NOTE	WESTON SOLUTIONS, INC.

The NY-NJ Harbor Estuary is a Sensitive Environment under the National Estuary Program [see Attachment C]. The Gateway National Recreation Area is also within 15 downstream miles and is evaluated as a National Seashore Recreation Area [see Attachment D].



Kelly Gaffney
Associate Scientist

ATTACHMENT A

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Fish and Wildlife, New York Natural Heritage Program
625 Broadway, Fifth Floor, Albany, NY 12233-4757
P: (518) 402-8935 | F: (518) 402-8925
www.dec.ny.gov

April 27, 2020

Scott Snyder
Weston Solutions, Inc.
205 Campus Drive
Edison, NJ 08837

Re: Coney Island Creek
County: Kings Town/City: New York City

Dear Mr. Snyder:

In response to your recent request, we have reviewed the New York Natural Heritage Program database with respect to the Coney Island Creek site.

Enclosed are reports of rare or state-listed animals and plants, and significant natural communities that our database indicates occur within a 4-mile radius and within 15-miles downstream (surface water only) of the Coney Island Creek site.

For most areas, comprehensive field surveys have not been conducted; the enclosed report only includes records from our database. We cannot provide a definitive statement as to the presence or absence of all rare or state-listed species or significant natural communities. Further information from on-site surveys or other sources may be required to fully assess impacts on biological resources.

The presence of the plants and animals identified in the enclosed report may result in future projects requiring additional review or permit conditions. For further guidance, and for information regarding other permits that may be required under state law for regulated areas or activities (e.g., regulated wetlands), please contact the NYS DEC Region 2 Office, Division of Environmental Permits, at dep.r2@dec.ny.gov.

Sincerely,

Heidi Krahling
Environmental Review Specialist
New York Natural Heritage Program

384

The following state-listed animals have been documented within a 4-mile radius of the Coney Island Creek site.

The following list includes animals that are listed by NYS as Endangered, Threatened, or Special Concern; and/or that are federally listed or are candidates for federal listing.

For information about any permit considerations for these species, please contact the Permits staff at the NYSDEC Region 2 Office at dep.r2@dec.ny.gov, (718) 482-4997.

COMMON NAME	*SCIENTIFIC NAME*	*NY STATE LISTING*	*FEDERAL LISTING*	
Mammals				
Humpback Whale *Nonbreeding*	*Megaptera novaeangliae*	Endangered	Endangered	15039
Birds				
Northern Harrier *Breeding*	*Circus hudsonius*	Threatened		720
Short-eared Owl *Breeding*	*Asio flammeus*	Endangered		841
Roseate Tern *Breeding*	*Sterna dougallii*	Endangered	Endangered	5735
Common Tern *Breeding*	*Sterna hirundo*	Threatened		4466
Peregrine Falcon *Breeding*	*Falco peregrinus*	Endangered		9017
Black Skimmer *Breeding*	*Rynchops niger*	Special Concern		7131
Piping Plover *Breeding*	*Charadrius melodus*	Endangered	Threatened	4653
Least Tern *Breeding*	*Sternula antillarum*	Threatened		7738

This report only includes records from the NY Natural Heritage database.

If any rare plants or animals are documented during site visits, we request that information on the observations be provided to the New York Natural Heritage Program so that we may update our database.

Information about many of the listed animals in New York, including habitat, biology, identification, conservation, and management, are available online in Natural Heritage's Conservation Guides at www.guides.nynhp.org, and from NYSDEC at www.dec.ny.gov/animals/7494.html.

The following state-listed animals have been documented within 15 miles downstream of the Coney Island Creek Site, and were not already included in the 4-mile radius report.

The following list includes animals that are listed by NYS as Endangered, Threatened, or Special Concern; and/or that are federally listed or are candidates for federal listing.

For information about any permit considerations for your project, please contact the Permits staff at the NYSDEC Region 2 Office at dep.r2@dec.ny.gov, (718) 482-4997.

COMMON NAME	SCIENTIFIC NAME	NY STATE LISTING	FEDERAL LISTING	
Mammals				
Fin Whale	*Balaenoptera physalus*	Endangered	Endangered	15040
Birds				
Least Bittern Breeding	*Ixobrychus exilis*	Threatened		281
Pied-billed Grebe Breeding	*Podilymbus podiceps*	Threatened		4852
Bald Eagle Breeding	Haliaeetus leucocephalus	Threatened		14958
Fish				
Shortnose Sturgeon	*Acipenser brevirostrum*	Endangered	Endangered	1091
Atlantic Sturgeon	*Acipenser oxyrinchus*	No Open Season	Endangered	11464

This report only includes records from the NY Natural Heritage database.

If any rare plants or animals are documented during site visits, we request that information on the observations be provided to the New York Natural Heritage Program so that we may update our database.

Information about many of the listed animals in New York, including habitat, biology, identification, conservation, and management, are available online in Natural Heritage's Conservation Guides at www.guides.nynhp.org, and from NYSDEC at www.dec.ny.gov/animals/7494.html.

The following rare plants, rare animals, and significant natural communities have been documented within a 4-mile radius of the Coney Island Creek site.

The following animals, while not listed by New York State as Endangered or Threatened, are rare in New York and are of conservation concern.

COMMON NAME	SCIENTIFIC NAME	NY STATE LISTING	HERITAGE CONSERVATION STATUS	
Birds				
Barn Owl Breeding	*Tyto alba*	Protected Bird	Critically Imperiled in NYS	333
Snowy Egret Breeding	*Egretta thula*	Protected Bird	Imperiled in NYS	8961
Little Blue Heron Breeding	*Egretta caerulea*	Protected Bird	Imperiled in NYS	12555
Cattle Egret Breeding	*Bubulcus ibis*	Protected Bird	Imperiled in NYS	5410
Tricolored Heron Breeding	*Egretta tricolor*	Protected Bird	Imperiled in NYS	8009
Glossy Ibis Breeding	*Plegadis falcinellus*	Protected Bird	Imperiled in NYS	3187
Yellow-crowned Night-Heron Breeding	*Nyctanassa violacea*	Protected Bird	Imperiled in NYS	12556
Dragonflies and Damselflies				
Needham's Skimmer	*Libellula needhami*	Unlisted	Vulnerable in NYS	11184
Martha's Pennant	*Celithemis martha*	Unlisted	Imperiled in NYS	14735
Rambur's Forktail	*Ischnura ramburii*	Unlisted	Imperiled in NYS	14658
Animal Assemblages				
Seal Haul-out Site				14818

The following natural communities are considered significant from a statewide perspective by the NY Natural Heritage Program. Each community is either an example of a community type that is rare in the state, or a high-quality example of a more common community type. By meeting specific, documented criteria, the NY Natural Heritage Program considers these community occurrences to have high ecological and conservation value.

COMMON NAME	SCIENTIFIC NAME	NY STATE LISTING	HERITAGE CONSERVATION STATUS
Wetland/Aquatic Communities			
Marine Back-barrier Lagoon			Rare Community Type
Upland/Terrestrial Communities			
Maritime Dunes			High Quality Occurrence of Uncommon Community Type

The following plants are listed as Endangered or Threatened by New York State, and/or are rare in New York State, and so are a vulnerable natural resource of conservation concern.

COMMON NAME	SCIENTIFIC NAME	NY STATE LISTING	HERITAGE CONSERVATION STATUS	
Vascular Plants				
Oakes' Evening Primrose	*Oenothera oakesiana*	Threatened	Imperiled in NYS	212
Schweinitz's Flat Sedge	*Cyperus schweinitzii*	Rare	Vulnerable in NYS	5240
Red Pigweed	*Oxybasis rubra var. rubra*	Threatened	Imperiled in NYS	4862
Seabeach Amaranth	*Amaranthus pumilus*	Threatened and Federally Listed as Threatened	Imperiled in NYS and Globally Rare	5034
Hidden Dropseed	*Sporobolus clandestinus*	Endangered	Critically Imperiled in NYS	10351
Seabeach Knotweed	*Polygonum glaucum*	Rare	Vulnerable in NYS and Globally Uncommon	9148
Roland's Sea Blite	*Suaeda rolandii*	Endangered	Critically Imperiled in NYS and Globally Rare	11893
Dune Sandspur	*Cenchrus tribuloides*	Threatened	Imperiled in NYS	11892

This report only includes records from the NY Natural Heritage database. For most sites, comprehensive field surveys have not been conducted, and we cannot provide a definitive statement as to the presence or absence of all rare or state-listed species. Depending on the nature of the project and the conditions at the project site, further information from on-site surveys or other sources may be required to fully assess impacts on biological resources.

If any rare plants or animals are documented during site visits, we request that information on the observations be provided to the New York Natural Heritage Program so that we may update our database.

Information about many of the rare animals and plants in New York, including habitat, biology, identification, conservation, and management, are available online in Natural Heritage's Conservation Guides at www.guides.nynhp.org, from NatureServe Explorer at www.natureserve.org/explorer, and from USDA's Plants Database at http://plants.usda.gov/index.html (for plants).

Information about many of the natural community types in New York, including identification, dominant and characteristic vegetation, distribution, conservation, and management, is available online in Natural Heritage's Conservation Guides at www.guides.nynhp.org.

For descriptions of all community types, go to www.dec.ny.gov/animals/97703.html for Ecological Communities of New York State.

The following rare plants, rare animals, and significant natural communities have been documented within 15 miles downstream (surface water or along the shoreline) of the Coney Island Creek Site, and were not already included in the 4-mile radius report.

The following animals, while not listed by New York State as Endangered or Threatened, are rare in New York and are of conservation concern.

COMMON NAME	SCIENTIFIC NAME	NY STATE LISTING	HERITAGE CONSERVATION STATUS	
Birds				
Forster's Tern Breeding	*Sterna forsteri*	Protected Bird	Critically Imperiled in NYS	6044
Laughing Gull Breeding	*Leucophaeus atricilla*	Protected Bird	Critically Imperiled in NYS	12535
Animal Assemblages				
Gull Colony				355
Colonial Waterbird Nesting Area				4190
Amphibians				
Atlantic Coast Leopard Frog	*Lithobates kauffeldi*	Unlisted	Critically Imperiled in NYS	4106

The following natural community is considered significant from a statewide perspective by the NY Natural Heritage Program. By meeting specific, documented criteria, the NY Natural Heritage Program considers this community occurrence to have high ecological and conservation value.

Wetland/Aquatic Communities			
Low Salt Marsh		Uncommon Community Type	10248

The following plants are listed as Endangered or Threatened by New York State, and/or are rare in New York State, and so are a vulnerable natural resource of conservation concern.

COMMON NAME	SCIENTIFIC NAME	NY STATE LISTING	HERITAGE CONSERVATION STATUS	
Vascular Plants				
Retrorse Flatsedge	*Cyperus retrorsus*	Endangered	Critically Imperiled in NYS	26
Northern Gama Grass	*Tripsacum dactyloides var. dactyloides*	Threatened	Imperiled in NYS	1299
Narrow-leaf Sea Blite	*Suaeda linearis*	Endangered	Critically Imperiled in NYS	2130
Yellow Flatsedge	*Cyperus flavescens*	Endangered	Critically Imperiled in NYS	2399
Fringed Boneset	*Eupatorium torreyanum*	Threatened	Imperiled in NYS	6530
Trinerved White Boneset	*Eupatorium subvenosum*	Threatened	Imperiled in NYS	7211
Sedge Rush	*Juncus scirpoides var. scirpoides*	Endangered	Critically Imperiled in NYS	9484
Great Plains Flatsedge	*Cyperus lupulinus ssp. lupulinus*	Threatened	Critically Imperiled in NYS	10497

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Humpback Whale

Humpback Whale

Megaptera novaeangliae



Protected Status

ESA ENDANGERED
Central America DPS

ESA ENDANGERED
Western North Pacific DPS

ESA ENDANGERED - FOREIGN
Arabian Sea DPS

ESA ENDANGERED - FOREIGN
Cape Verde Islands/Northwest Africa DPS

ESA THREATENED
Mexico DPS

CITES APPENDIX I
Throughout Its Range

MMPA PROTECTED
Throughout Its Range

MMPA DEPLETED
Western North Pacific stock

MMPA DEPLETED
Central North Pacific stock

MMPA DEPLETED
California/Oregon/Washington stock

Quick Facts

WEIGHT	Up to approximately 40 tons
LIFESPAN	About 80 to 90 years
LENGTH	Up to approximately 60 feet
THREATS	Entanglement in fishing gear, Vessel strikes, Vessel-based harassment, Ocean noise
REGION	Alaska, New England/Mid-Atlantic, Pacific Islands, Southeast, West Coast, Foreign



Humpback whale breaching. Credit: NOAA Fisheries.

About the Species

Before a final moratorium on commercial whaling in 1985, all populations of humpback whales were greatly reduced, most by more than 95 percent. The species is increasing in abundance throughout much of its range but faces threats from entanglement in fishing gear, vessel strikes, vessel-based harassment, and underwater noise.

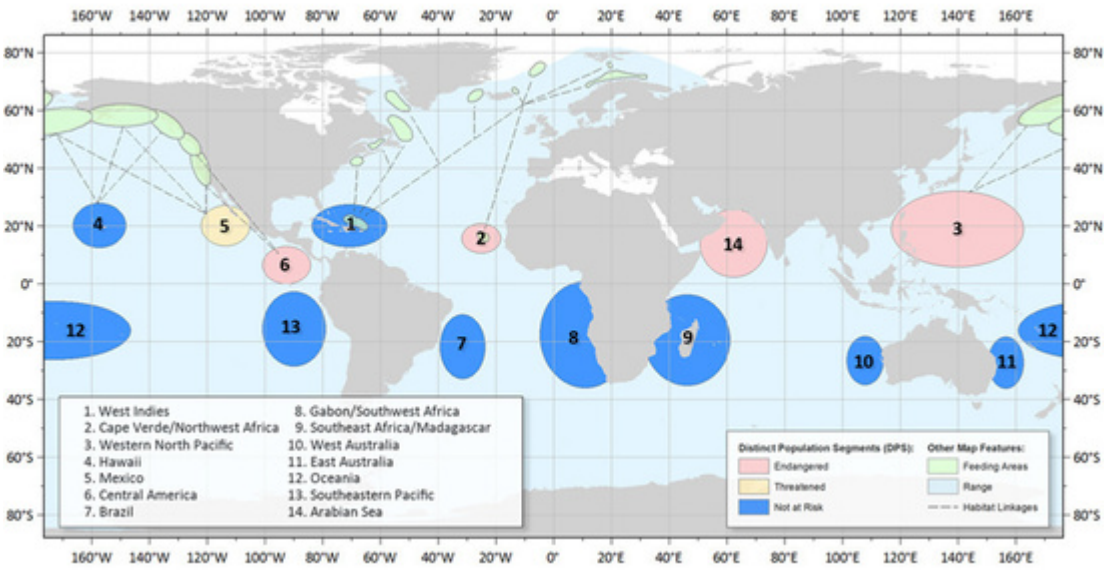
Humpback whales live in all oceans around the world. They travel great distances every year and have one of the longest migrations of any mammal on the planet. Some populations swim 5,000 miles from tropical breeding grounds to colder, more productive feeding grounds. Humpback whales feed on shrimp-like crustaceans (krill) and small fish, straining huge volumes of ocean water through their baleen plates, which act like a sieve.

The humpback whale gets its common name from the distinctive hump on its back. Its long pectoral fins inspired its scientific name, *Megaptera*, which means “big-winged” and *novaeangliae*, which means “New England,” in reference to the location where European whalers first encountered them. Humpback whales are a favorite of whale watchers—they are often active, jumping out of the water and slapping the surface with their pectoral fins or tails.

NOAA Fisheries is dedicated to the conservation of humpback whales. Our scientists use a variety of innovative techniques to study, protect, and disentangle humpback whales. We also work with our partners to ensure that regulations and management plans are in place to reduce entanglement in fishing gear, create safer shipping lanes, and protect habitats.

Population Status

Commercial whaling severely reduced humpback whale numbers from historical levels. The United States listed all humpback whales as endangered under the Endangered Species Conservation Act in 1970 and then under the Endangered Species Act in 1973. NOAA Fisheries worked worldwide to identify and apply protections for humpback whales. The International Whaling Commission’s final whaling moratorium on commercial harvest, in effect since 1985, played a major role in the recovery of humpback whales. Currently, four out of the 14 distinct population segments are still protected as endangered, and one is listed as threatened (81 FR 62259, September 2016). Three humpback whale stocks in U.S. waters are designated as depleted under the Marine Mammal Protection Act (see annual stock assessment report).



Map showing locations of the 14 distinct population segments of humpback whales worldwide.

Protected Status

ESA Endangered

- Central America DPS

ESA Endangered

- Western North Pacific DPS

ESA Endangered - Foreign

- Arabian Sea DPS

ESA Endangered - Foreign

- Cape Verde Islands/Northwest Africa DPS

ESA Threatened

- Mexico DPS

CITES Appendix I

- Throughout Its Range

MMPA Protected

- Throughout Its Range

MMPA Depleted

- Western North Pacific stock

MMPA Depleted

- Central North Pacific stock

MMPA Depleted

- California/Oregon/Washington stock

Appearance

Humpback whales' bodies are primarily black, but individuals have different amounts of white on their pectoral fins, bellies, and the undersides of their flukes (tails). Southern Hemisphere humpback whales tend to have more white markings, particularly on their flanks and bellies than do Northern Hemisphere humpback whales.

Humpback whale flukes can be up to 18 feet wide—they are serrated along the trailing edge, and pointed at the tips. Tail fluke pigmentation patterns, in combination with varying shapes and sizes of whales' flukes and/or prominent scars, are unique to each animal. They are distinctive enough to be used as "fingerprints" to identify individuals.

When photographed, scientists can often identify individual whales—a process called photo-identification - and catalog occurrences of individual whales and use this information to track them over time.

Behavior and Diet

Humpback whales are a favorite of whale-watchers, as they can be found close to shore and often display activities near the surface, such as breaching (jumping out of the water) or slapping the surface with their pectoral fins and tails.

During the warmer months (and occasionally into cooler months), humpback whales spend most of their time feeding and building up fat stores (blubber) to sustain them throughout the winter. Humpback whales filter-feed on small crustaceans (mostly krill) and small fish. They use several techniques to help them herd, corral, and disorient prey and that can include using bubbles, sounds, the seafloor, and even their pectoral fins. One specific feeding method, called "group coordinated bubble net feeding," involves using curtains of air bubbles to condense prey. Once the fish are corralled, they are pushed toward the surface and engulfed as the whales lunge upward through the circular bubble net. Different groups of humpback whales use other bubble structures in similar ways, though there appears to be some regional specialization in bubble-feeding behaviors among populations.

Where They Live

Humpback whales live throughout the world's major oceans. They can travel great distances during their seasonal migration with some animals migrating 5,000 miles between high-latitude summer feeding grounds and winter mating and calving areas in tropical waters. In the North Pacific, some humpback whales migrate from Alaska to Hawai‘i—they can complete the 3,000 mile trip in as few as 28 days. While calving, they prefer shallow, warm waters commonly near offshore reef systems or shores. Humpback whale feeding grounds are generally in cold, productive waters.

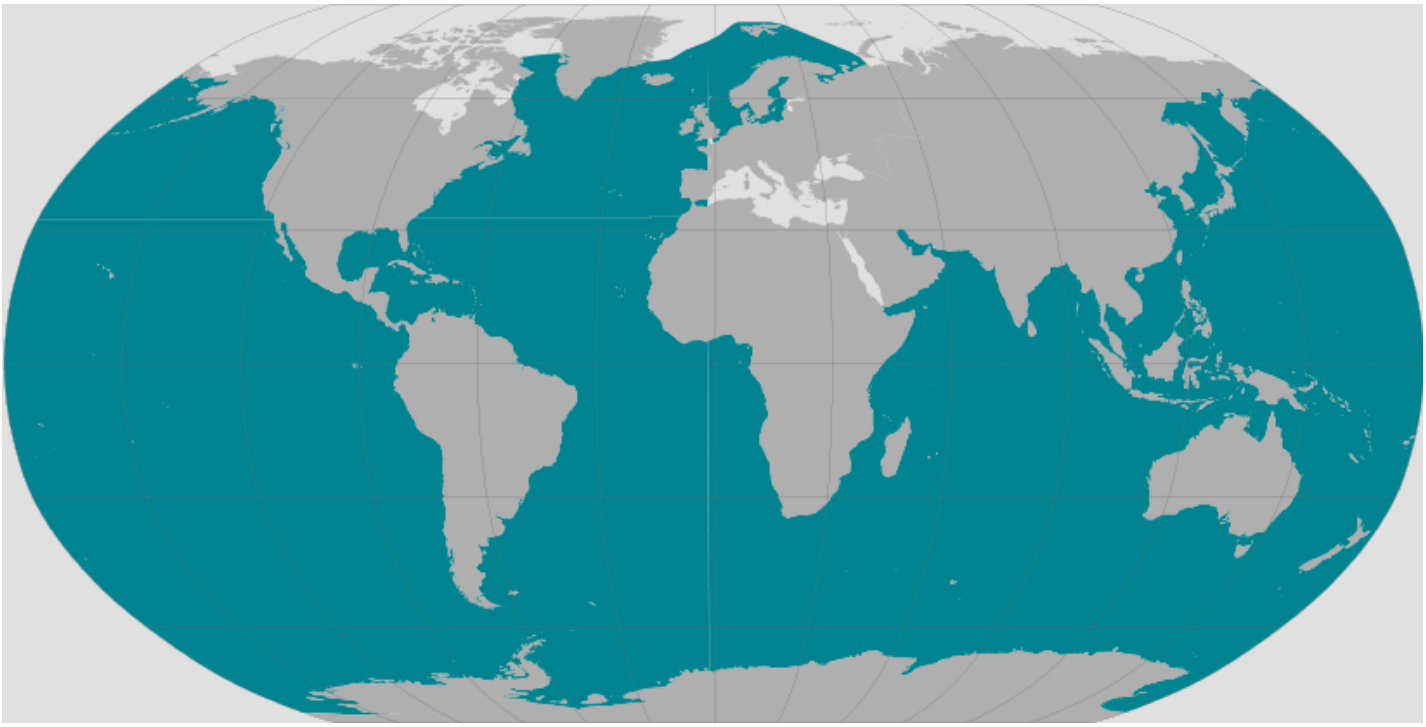
At least four humpback whale populations occur in the North Pacific:

In the North Atlantic, two populations of humpback whales feed during spring, summer, and fall throughout a range that extends across the Atlantic Ocean from the Gulf of Maine to Norway. These two populations migrate south during the winter to calve and mate in the West Indies and Cape Verde (off the coast of Africa), and possibly in other areas.

Seven populations of humpback whales are found in the Southern Hemisphere, all of which feed in Antarctic or sub-Antarctic waters.

- Mexico population
  - Breeds along the Pacific coast of Mexico and the Revillagigedo Islands
  - Transits the Baja California Peninsula
  - Feeds across a broad range from California to the Aleutian Islands, Alaska

- Central America population
  - Breeds along the Pacific coast of Central America, including off Costa Rica, Panama, Guatemala, El Salvador, Honduras, and Nicaragua
  - Feeds off the West Coast of the United States and southern British Columbia
- Hawai‘i population
  - Breeds in the main Hawaiian Islands
  - Feeds in most of the known feeding grounds in the North Pacific, including the Aleutian Islands/ Bering Sea, Gulf of Alaska, Southeast Alaska, and northern British Columbia
- Western North Pacific population
  - Breeds in the areas of Okinawa, Japan, and the Philippines
  - Feeds in the northern Pacific, primarily in the West Bering Sea and off the Russian coast and the Aleutian Islands
  - Also evidence for the existence of a lesser-known breeding area in the western North Pacific



World map providing approximate representation of the humpback whale's range.

Lifespan & Reproduction

Humpback whales reach sexual maturity between the ages of 4 and 10 years. Females produce a single calf every 2 to 3 years on average, although annual calving has been documented in some individuals. Calves are born after an 11-month gestation and measure about13 to 16 feet in length. Calves stay near their mothers for up to 1 year before weaning. Mothers are protective of their calves, swimming closely and often touching them with their flippers. While calves are not believed to maintain long-term associations with their mothers, they are more likely to be found in the same feeding and breeding areas as their mothers.

Threats

Vessel Strikes

Inadvertent vessel strikes can injure or kill humpback whales. Humpback whales are vulnerable to vessel strikes throughout their range, but the risk is much higher in coastal areas with heavier ship traffic.

Climate Change

The impacts of climate change on whales are unknown, but it is considered one of the largest threats facing high latitude regions where many humpback whales forage. Most notably, the timing and distribution of sea ice coverage is changing dramatically with altered oceanographic conditions. Any resulting changes in prey distribution could lead to changes in foraging behavior, nutritional stress, and diminished reproduction for humpback whales. Additionally, changing water temperature and currents could impact the timing of environmental cues important for navigation and migration.

Entanglement in Fishing Gear

Humpback whales can become entangled by many different gear types, including moorings, traps, pots, or gillnets. Once entangled, if they are able to move the gear, the whale may drag and swim with attached gear for long distances, ultimately resulting in fatigue, compromised feeding ability, or severe injury, which may lead to reduced reproductive success or even death. There is evidence to suggest that most humpback whales experience entanglement over the course of their lives but are often able to shed the gear on their own. However, the portion of whales that become entangled and do not survive is unknown.

Vessel-Based Harassment

Whale watching vessels, recreational boats, and other vessels may cause stress and behavioral changes in humpback whales. Because humpback whales are often found close to shore and generally surface in an active state, they tend to be popular whale watching attractions. There are several areas within the United States where humpback whales are the central attraction for the whale watching industry, including the Gulf of Maine (particularly within the Stellwagen Bank National Marine Sanctuary), California, Alaska (particularly southeast Alaska), and the Hawaiian Islands.

Scientific Classification

Kingdom	Animalia
Phylum	Chordata
Class	Mammalia
Order	Cetacea
Family	Balaenopteridae

Genus	*Megaptera*
Species	*novaeangliae*

What We Do

Conservation & Management

All humpback whales are protected under the MMPA, and five populations are protected under the ESA. Our work includes:

- Reducing the risk of entanglement in fishing gear
- Developing methods to reduce vessel strikes
- Responding to dead, injured, or entangled humpback whales
- Educating the whale watching/tourism industry and vessel operators on responsible viewing of humpback whales
- Partnering to implement the Whale SENSE program, a whale watching stewardship, education, and recognition program to increase wildlife viewing standards

Learn more about our conservation efforts ›

Science

We conduct various research activities on the biology, behavior, and ecology of humpback whales. The results of this research are used to inform management decisions and enhance recovery efforts for this ecologically, economically, and socially important species that is endangered in certain areas. Our work includes:

- Monitoring humpback whale abundance and mortality in U.S. waters
- Studying humpback whale population structure
- Collaborating with international scientists to track the movements and behavior of humpback whales as they migrate across international boundaries

Learn more about our research ›

How You Can Help

Keep Your Distance

Be responsible when viewing marine life in the wild. Observe all larger whales from a safe distance of at least 100 yards by sea or land.

In Hawai‘i and Alaska, it is illegal to approach a humpback whale within 100 yards, by land or sea. It is also illegal to approach humpback whales in Hawai‘i within 1,000 feet (333 yards) by air.

Learn more about our marine life viewing guidelines >

Report Marine Life in Distress

Report a sick, injured, entangled, stranded, or dead animal to make sure professional responders and scientists know about it and can take appropriate action. Numerous organizations around the country are trained and ready to respond. Never approach or try to save an injured or entangled animal yourself—it can be dangerous to both the animal and you.

Learn who you should contact when you encounter a stranded or injured marine animal >

Reduce Speed and Be on the Lookout

Collisions with vessels are a major cause of injury and death for whales. Here are some tips to avoid collisions:

Keep a sharp lookout. Look for blows, dorsal fins, tail flukes, etc.

Watch your speed in areas of known marine mammal occurrence. Keep speeds to 10 knots or less to reduce potential for injury.

Keep your distance. Stay at least 100 yards away.

Stop immediately if within 100 yards. Slowly distance your vessel from the whale.

Learn more about vessel strikes >

Report a Violation

Call the NOAA Fisheries Enforcement Hotline at **(800) 853-1964** to report a federal marine resource violation. This hotline is available 24 hours a day, 7 days a week for anyone in the United States.

You may also contact your closest **NOAA Office of Law Enforcement field** during regular business hours.

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In the Spotlight

Management Overview

Humpback whales are protected under both the Endangered Species Act and the Marine Mammal Protection Act. NOAA Fisheries has made significant progress toward the protection of humpback whales worldwide. We have taken many steps to reduce injury and mortality caused by fishing gear,

reduce the threat of vessel collisions, minimize the effects of vessel disturbance and noise, and protect habitats that are essential to the survival and recovery of this species.

Recovery Planning and Implementation

Recovery Actions

Under the ESA, NOAA Fisheries is required to develop and implement recovery plans for the conservation and survival of listed species. NOAA Fisheries developed a recovery plan in 1991 to identify actions that would advance the recovery of this species and protect its habitats. The ultimate goal of the Humpback Whale Recovery Plan is to help humpback whales thrive, allowing every population to be reclassified from “endangered” to “threatened,” and ultimately removed from the ESA's list of threatened and endangered species.

The major actions recommended in the plan are:

- Reduce or eliminate injury and mortality caused by fisheries and fishing gear and by vessel collisions
- Minimize effects of vessel disturbance
- Continue the international moratorium on commercial whaling
- Collect as much data as possible from dead whales through our Marine Mammal Health and Stranding Program

Given the change in listing status of humpback whales in 2016, we are currently evaluating recovery plan needs for the currently listed DPSs.

Read the recovery plan for the humpback whale ›

Implementation

Together with our partners, we undertake numerous activities to support the directives of the humpback whale recovery plan, protect humpbacks, and reduce adverse impacts from human activities.

Efforts to implement recovery for humpback whales include:

- Creating marine protected areas for humpback whales
- Minimizing vessel disturbance
- Reducing entanglement in fishing gear
- Reducing vessel strikes

- Understanding and addressing the effects of ocean noise
- Collaborating with the Commission on Environmental Cooperation to develop the North America Humpback Whale Conservation Action Plan for the United States, Canada, and Mexico

Monitoring Plan

NOAA Fisheries collaborated with state and federal agencies to create a monitoring plan for the nine distinct population segments of humpback whales that have recovered and are no longer protected under the ESA.

Critical Habitat

Although the original listing of this species predated the requirement for critical habitat designations, the 2016 revision to the humpback whale listing under the ESA triggered the requirement for NOAA Fisheries to designate critical habitat to the maximum extent prudent and determinable. A proposed rule to designate critical habitat for the Central America, Mexico, and Western North Pacific DPSs of humpback whales was published in 2019 and a final rule was published on April 21, 2021.

Learn more about the critical habitat designation ›



Humpback whale at water's surface. Credit: NOAA Southwest Fisheries Science Center/Robert Pitman.

Conservation Efforts

Designating Marine Protected Areas for Humpback Whales

In 1992, the U.S. Congress created the Hawaiian Islands Humpback Whale National Marine Sanctuary to protect humpback whales and their habitat around Hawaii. NOAA Fisheries co-manages the sanctuary with the State of Hawai‘i, conducts research on humpback whales, and operates a sanctuary education and learning center.

NOAA Fisheries and the Dominican Republic’s Ministry of Environment and Natural Resources have established the world’s first sister sanctuaries to protect humpback whales. The Stellwagen Bank National Marine Sanctuary, off the coast of Massachusetts, and the Santuario de Mamíferos Marinos de la República Dominicana are two marine protected areas 3,000 miles apart. Around 900 humpbacks spend spring and summer in the rich feeding grounds of Stellwagen Bank before they head south in the late fall to mate and give birth in the warmer waters of the Dominican Republic. The sister sanctuary agreement strengthens coordination and management efforts between the two sanctuaries and improves humpback whale recovery in the North Atlantic.

Minimizing Whale Watching Harassment

NOAA Fisheries supports responsible viewing of marine mammals in the wild and has adopted a guideline to observe all large whales from a safe distance of at least 100 yards by sea or land in all areas. In addition, federal approach regulations for humpback whales in Alaska and Hawaii require, with limited exceptions, that you:

- Not approach within 100 yards of a humpback whale
- Not place your vessel in the path of oncoming humpback whales, causing them to surface within 100 yards of your vessel
- Not disrupt the normal behavior or prior activity of a humpback whale
- Operate your vessel at a slow, safe speed when near humpbacks

In Hawai‘i, regulations also prohibit operating an aircraft within 1,000 feet (333 yards) of a humpback whale.

WhaleSENSE is a voluntary education and recognition program developed by NOAA Fisheries and the Whale and Dolphin Conservation in collaboration with the whale watching industry to recognize whale watching companies committed to responsible practices in the U.S. Atlantic and Alaska.

Companies participating in the WhaleSENSE program agree to:

- Stick to the regional whale watching guidelines

- Educate naturalists, captains, and passengers to have “SENSE” while watching whales
- Notify and report whales in distress
- Set an example for other boaters
- Encourage ocean stewardship

Both Alaska and Hawai‘i have specific guidance and requirements for minimizing whale watching impacts from tourism on humpback whales and other marine animals.

Reducing and Responding to Entanglement

Entanglement in fishing gear is a leading cause of serious injury and death for many whale species, including humpback whales.

In the Atlantic, we implemented the Atlantic Large Whale Take Reduction Plan to reduce the incidental mortality and serious injury of right whales, humpback whales, and fin whales in gillnets and trap/pot fisheries along the East Coast.

In the Pacific, we are working with state fishery management working groups to reduce the risks of entanglements in Dungeness crab pot fisheries, including the California Risk Assessment and Mitigation Program (RAMP) used to detect and respond to increased entanglement risk. NOAA Fisheries Science Centers are engaged in significant efforts to improve the scientific understanding of the drivers that may be influencing the risks of entanglements for whales along the U.S. West Coast. We also implemented the Pacific Offshore Cetacean Take Reduction Plan to reduce mortalities and serious injuries of several marine mammal stocks, including humpback whales, incidentally injured in the California thresher shark/swordfish drift gillnet fishery.

In Alaska, we have a network of trained entanglement responders around the state. When an entangled whale is reported, responders can be authorized to evaluate the entanglement and, in cases where the entanglement is life threatening to the animal and a response can be carried out safely, a team may attempt to cut the whale free from gear.

Learn more about large whale entanglement and how NOAA Fisheries is addressing this threat ›

Learn more about bycatch and fisheries interactions ›

Reducing Vessel Strikes

Collisions between whales and large vessels can injure or kill whales, damage the vessels, and injure passengers, but they often go unnoticed and unreported. The most effective way to reduce collision risk is to give whales a wide berth or avoid areas of high whale concentrations altogether. If this is not possible, the second best option is for vessels to slow down and keep a lookout.

In the Atlantic, we have taken both regulatory and non-regulatory steps to reduce the threat of vessel collisions to North Atlantic right whales. These actions, may also reduce the threat of vessel collisions to humpback whales, which occur in the same waters. The steps include:

- Requiring vessels to slow down in specific areas during specific times (Seasonal Management Areas)
- Advocating for voluntary speed reductions in Dynamic Management Areas
- Recommending alternative shipping routes and areas to avoid
- Modifying international shipping lanes
- Developing mandatory vessel reporting systems
- Increasing outreach and education
- Improving our stranding response

Learn more about vessel strikes and marine animals ›

Overseeing Marine Mammal Health and Stranding Response

We work with volunteer networks in all coastal states to respond to marine mammal strandings including all whales. When stranded animals are found alive, NOAA Fisheries and our partners assess the animal's health and determine the best course of action. When stranded animals are found dead, our scientists work to understand and investigate the cause of death. Although the cause often remains unknown, scientists can sometimes attribute strandings to disease, harmful algal blooms, vessel strikes, fishing gear entanglements, pollution exposure, and underwater noise. Some strandings can serve as indicators of ocean health, giving insight into larger environmental issues that may also have implications for human health and welfare.

Learn more about the Marine Mammal Health and Stranding Response Program ›

Marine Mammal Unusual Mortality Events

There is an ongoing Humpback Whale Unusual Mortality Event, and the species has experienced unusual mortality events in the past. Under the Marine Mammal Protection Act, an unusual mortality event is defined as "a stranding that is unexpected; involves a significant die-off of any marine mammal population; and demands immediate response." To understand the health of marine mammal populations, scientists study unusual mortality events.

Get information on active and past UMEs ›

Get an overview of marine mammal UMEs ›

Addressing Ocean Noise

Underwater noise can pose a threat to whales, interrupting their normal behavior and potentially causing temporary or permanent reductions in hearing. NOAA Fisheries is investigating all aspects of acoustic communication and hearing in marine animals, as well as the effects of sound on whale behavior and hearing. In 2018, we issued technical guidance for assessing the effects of anthropogenic (human-caused) sound on marine mammal hearing.

Learn more about ocean noise >

Regulatory History

Commercial whaling severely reduced humpback whale numbers from historical levels, and the United States listed all humpback whales as endangered in 1970. NOAA Fisheries worked nationally and internationally to identify and apply protections for humpback whales. The International Whaling Commission's whaling moratorium, in effect since 1985, played a major role in the recovery of humpback whales.

NOAA Fisheries developed a recovery plan in 1991 to identify actions that would protect the species in important breeding and feeding areas. In addition, we have taken steps to reduce threats to the species, such as establishing regulations to:

- Restrict vessel and aircraft distance from humpbacks to reduce disturbance
- Limit vessel speed in certain areas to reduce the likelihood of deaths and serious injuries from vessel strikes

In 2015, we completed a global status review of humpback whales, and in 2016, we revised the ESA listing for the humpback whale to identify 14 distinct population segments. We determined that nine populations have recovered enough that they do not warrant listing, while four populations are still protected as endangered (Central America, Western North Pacific, Arabian Sea, and Cape Verde Islands/Northwest Africa). The Mexico population is listed as threatened.

All humpback whales are protected under the MMPA and three stocks are listed as depleted (i.e., they have fallen below their optimum sustainable population levels). Under the MMPA, the Atlantic Large Whale Take Reduction Plan and Pacific Offshore Cetacean Take Reduction Plan address the threat of fishery entanglements.

Key Actions and Documents

Actions & Documents | Incidental Take

Final Rule to Designate Critical Habitat for the Central America, Mexico, and Western North Pacific Distinct Population Segments of Humpback Whales

We, NOAA Fisheries, issue this final rule to designate critical habitat for the endangered Western North Pacific distinct population segment (DPS), the endangered Central America DPS, and the threatened Mexico DPS of humpback whales (Megaptera

Mexico DPS of humpback whales (Megaptera…

- Final Rule (86 FR 21082, 04/21/2021)
- Proposed Rule (84 FR 54354, 10/9/2019)
- Announcement of Public Hearings (84 FR 55530, 10/17/2019)
- Public Comments Extension, Public Hearing Announcement (11/27/2019, 84 FR 65346)
- Frequent Questions: Humpback Whale Critical Habitat
- Humpback Whale Critical Habitat Maps and GIS Data
- ESA Section 4(b)(2) Report
- Biological Report
- Economic Report
- List of References for Humpback Whale Critical Habitat

Final Rule , Alaska, West Coast

PUBLISHED

April 21, 2021

Announcement of Public Hearings for the Southern Resident Killer Whale and Humpback Whale Critical Habitat Proposed Rules

NOAA Fisheries is announcing six public hearings related to our recently published proposed rule to designate critical habitat for humpback whales under the Endangered Species Act of 1973 (ESA) and three public hearings related to our recently published…

- Notice of Public Hearings (84 FR 55530, 10/17/2019)
- Notice of Additional Public Hearing (84 FR 65346, 11/27/2019)
- Proposed Rule Humpback Critical Habitat (84 FR 54354, 10/9/2019)
- Proposed Rule to Revise Critical Habitat SRKW (84 FR 49214, 9/19/2019)
- Critical Habitat for Distinct Population Segments of Humpback Whales
- Critical Habitat for the Southern Resident Killer Whale
- Public Hearing Presentation: Proposed Humpback Whale Critical Habitat Designati…
- Public Hearing Presentation: Proposed Southern Resident Killer Whale Critical H…

Notice , Alaska, West Coast

ISSUED

October 17, 2019

Cook Inlet and Kodiak Marine Mammal Disaster Response Guidelines

NOAA Fisheries, in an effort to increase preparedness for wildlife response under the Oil Pollution Act of 1990, has drafted guidelines for marine mammal response in disaster situations in Cook Inlet and Kodiak, Alaska entitled "Cook Inlet and Kodiak…

- Notice of Availability (84 FR 24102, 05/24/2019)
- Final Cook Inlet & Kodiak Marine Mammal Disaster Response Guidelines and Append…
- Alaska Marine Mammal Stranding Network

Notice , Alaska
PUBLISHED
May 24, 2019

Alaska Humpback Whale Approach Regulations

Effective July 2, 2001, NOAA Fisheries issued a final rule to establish measures to protect humpback whales, Megaptera novaeangliae, in waters within 200 nautical miles (370.4 km) of Alaska. Under these regulations it is unlawful for a person subject to…

- Technical Amendments and Recodification (81 FR 62018, 09/08/2016)
- Approach Regulations Final Rule (66 FR 29502, 05/31/2001)
- Extension of comment period (65 FR 49782, 08/15/2000)
- Approach Regulations Proposed Rule (65 FR 39336, 06/26/2000)
- Alaska Marine Mammal Viewing Guidelines and Regulations
- Guidance on the Occurrence of Listed Humpback Whales in Alaska

Final Rule , Alaska
EFFECTIVE
October 11, 2016

1 2 »

Science Overview

NOAA Fisheries conducts research on the biology, behavior, and ecology of the humpback whale. The results are used to inform management decisions and enhance recovery efforts for this species.

Shipboard Studies

NOAA Fisheries conducts research cruises that investigate the whales' habitat preferences and feeding ecology, as well as doing photographic and genetic identification. Information from these research projects can be used to inform management actions that protect the humpback whale and reduce their human-related mortalities.

The Years of the North Atlantic Humpback Project in 1992 to 1993 and the follow-up project, More North Atlantic Humpbacks, in 2003 to 2005 were international collaborations to monitor humpback whale populations, investigate human-caused deaths, and conduct various other surveys, including research on humpback songs, across many humpback habitats.

The Structure of Populations, Levels of Abundance, and Status of Humpbacks (SPLASH) Project , conducted from 2004 to 2006, brought together many research programs and researchers from

across the world, including NOAA Fisheries, to monitor humpbacks.



One of the humpback's most interesting behaviors is bubble-net feeding, a complex and coordinated tactic for capturing many fish at once. Credit: NOAA Northeast Fisheries Science Center/Christin Khan.

Acoustic Science

Other research is focused on the acoustic environment of cetaceans, including humpback whales. Acoustics is the science of how sound is transmitted. This research involves increasing our understanding of the basic acoustic behavior of whales, dolphins, and fish; mapping the acoustic environment; and developing better methods to locate cetaceans using autonomous gliders and passive acoustic arrays.

Learn more about acoustic science ›

Aerial Surveys

Scientists use small aircraft to spot large whales (including humpbacks) and record their seasonal distribution. Understanding their migration patterns helps managers establish measures to reduce vessel strikes.

Stock Assessments

Determining the size of humpback whale populations helps resource managers determine the success of conservation measures and regulations. Our scientists collect population information on humpback whales from various sources and present the data in an annual stock assessment report.

Learn more about marine mammal stock assessments >

Find humpback whale stock assessment reports >

Humpback Whales in Alaska

Our research on the population dynamics, diet and foraging behavior, distribution, and movement patterns of humpback whales provides information crucial for understanding and protecting humpback whale populations in Alaska.

Humpback whale research in Alaska >



A humpback whale feeding. Photo: NOAA Fisheries.

Documents

DOCUMENT

Biological Opinion for City of Hoonah Marine Industrial Center Cargo Dock Project at Hoonah, Alaska

Endangered Species Act (ESA) Section 7(a)(2) Biological Opinion for City of Hoonah Marine…

Alaska

DOCUMENT

Copper River Delta Carcass Surveys - Final Reports

Biologists conducted survey flights of the shifting sand shoals of the Copper River Delta to search…

Alaska

DOCUMENT

Biological Opinion for City of Ketchikan Berth III Mooring Dolphins Project (AKRO-2020-02183)

Endangered Species Act (ESA) Section 7(a)(2) Biological Opinion for City of Ketchikan Berth III…

Alaska

DOCUMENT

Alaska Region Marine Mammal Annual Stranding Reports

Annual summary reports of strandings of cetaceans (whales) and pinnipeds (seals and sea lions) that…

Alaska

More Documents >

Data & Maps

DATA

Passive Acoustic Cetacean Map

This mapping tool shows when and where specific whale, dolphin, and other cetacean species were…

New England/Mid-Atlantic

MAP

Humpback Whale Critical Habitat Maps and GIS Data

Alaska, West Coast

DATA

Story Map - Gulf of Alaska 2019: It's All About the Food

Ecosystem Response to Warm Ocean Temperatures

Alaska

DATA

2019 Aerial Surveys of Arctic Marine Mammals

Distribution and Relative Abundance of Marine Mammals in the Eastern Chukchi Sea, Eastern and…

Alaska

More Data and Maps >

Outreach & Education

EDUCATIONAL MATERIALS

Humpback Whales in the Marianas

From January to March in 2015–2019, the Pacific Islands Fisheries Science Center, in partnership…

Pacific Islands

EDUCATIONAL MATERIALS

U.S. Whale Entanglement Response Level 1 - Alaska Region First Responder Training

Level 1 First Responder training to prepare recreational and commercial boaters to report whale…

Alaska

EDUCATIONAL MATERIALS

Alaska Marine Mammal Viewing Guidelines and Regulations Booklet

Booklet summarizing Alaska humpback whale approach regulations, viewing guidelines for sea lions,…

Alaska

EDUCATIONAL MATERIALS

Acoustic Studies Sound Board of Marine Mammals in Alaska

This resource features passive acoustic sound clips of many amazing marine mammals that can be…

Alaska

More Outreach and Education Materials >

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

Northern Harrier

Scientific Name: ***Circus cyaneus***

New York Status: **Threatened**
Federal Status: Not Listed



Male Northern harrier - © Gordon Ellmers



Female Northern harrier
Glenn Hewitt, NYSDEC

Description

The Northern harrier, formerly known as the marsh hawk, hunts primarily on the wing and may cover up to 100 miles per day. Its prey, consisting of mostly rodents and small birds, is detected using extremely keen hearing. This 16-24 inch, slender-bodied hawk has a long tail and wings, long yellow legs, distinct facial disks and a conspicuous white rump patch. In flight, the wings are held in a shallow "V." The adult male is pale gray on the head, back and wings. The gray tail is banded with six to eight gray-brown bars. There is cinnamon-brown spotting on the legs and flanks, and the wing linings and undertail are white. The eyes of an adult male are yellow.

Female plumage is browner overall with dark streaks on the breast. The female is born with brown eyes which turn yellow at about three years of age. Juveniles resemble adult females, but have gray eyes. When startled, this species makes a rapid, nasal chattering "ke-ke-ke-ke-ke".

Life History

This raptor is considered one of the most agile and acrobatic in North America. During the breeding season, the male performs an elaborate courtship flight consisting of a series of U-shaped maneuvers. The nest is a flimsy structure built of sticks and grass on the ground. It can be found in dense vegetation or situated in a slightly elevated position. The clutch averages five eggs. Incubation lasts 30-32 days and begins before the last egg is laid, so the young vary in size. The young fledge in 30-41 days, then remain near the nest, dependent on their parents for three to four weeks. Clutches are larger and reproductive success is higher during years when vole populations are high.

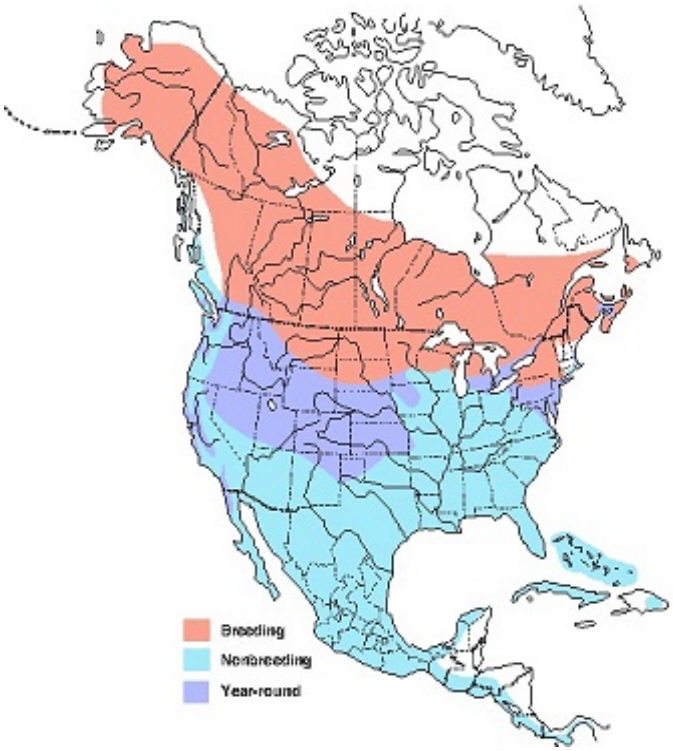
Distribution and Habitat

Northern harriers breed in North America from northern Alaska and Canada south to central and southern California, Mexico and portions of the southern U. S., excluding the southeast region. Wintering occurs from southern Canada to northern South America. Communal flocks roost on the ground during winter and migratory periods in agricultural fields, abandoned fields and salt marshes. Breeding occurs in both freshwater and brackish marshes, tundra, fallow grasslands, meadows, and cultivated fields.

Status

Historically, populations of harriers were considered abundant and widespread. However, significant declines began in the 1950s and were attributed to factors such as loss of breeding habitat and effects of pesticides. Reforestation, filling in of wetlands, changes in land use, changes in agricultural practices and urban and industrial development all contributed to habitat losses.

The number of blocks in which this species was detected changed little from the first to second New York State Breeding Bird Atlases (a decrease of 1%) but some shifts in the species range appear to have occurred in the state. Although New York State breeding populations appear relatively stable, Breeding Bird Survey trend data shows a survey-wide decline for this species at 1.7% per year.

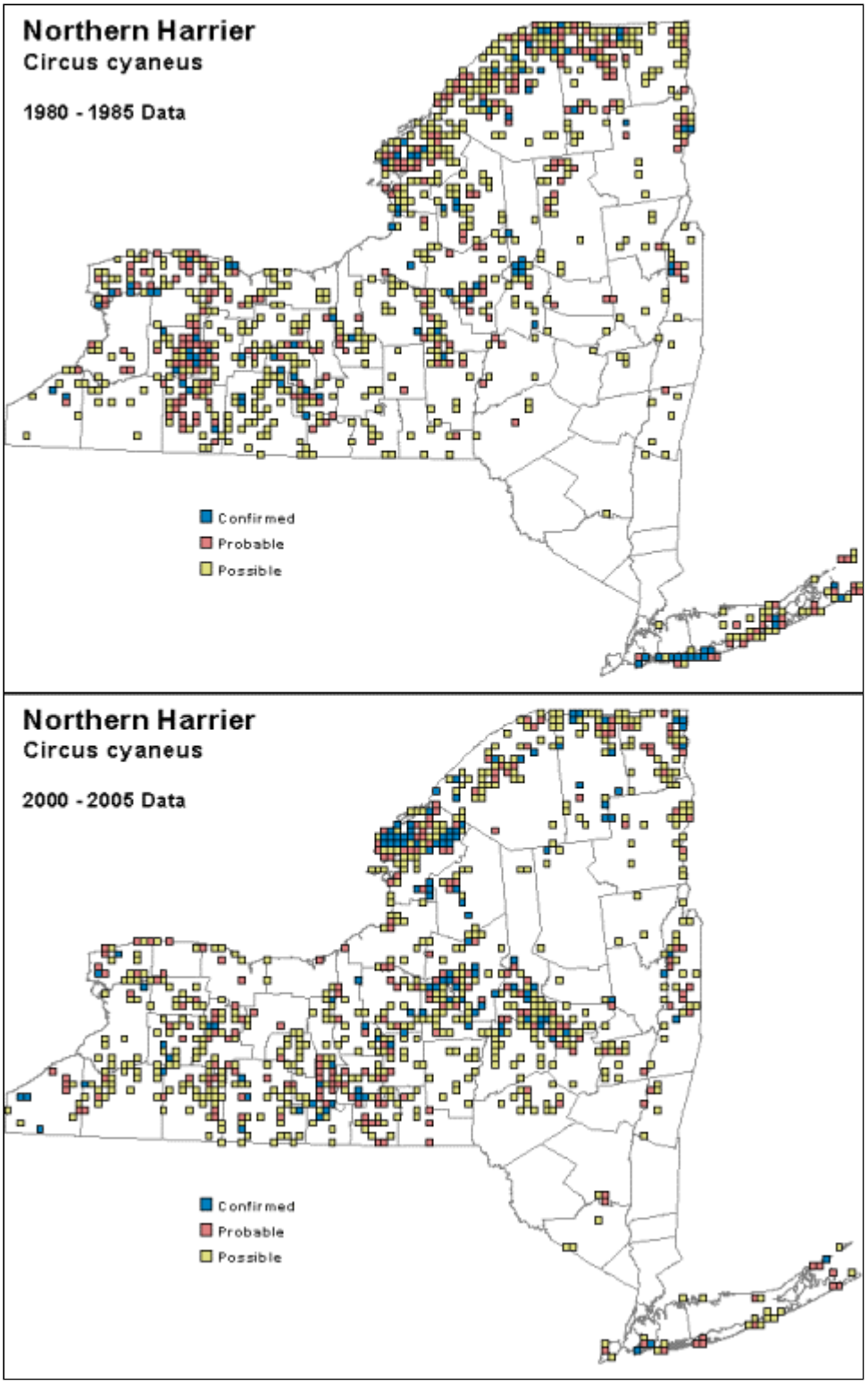


*Northern harrier range map from **Birds of the World**, maintained by the Cornell Lab of Ornithology.*

Management and Research Needs

Protection of suitable habitat is the most vital need of Northern harriers. They require vast expanses of relatively intact open habitat. Population size and reproductive success of this species are largely dependent upon prey populations. It has been well documented that harrier populations and populations of their prey follow similar patterns of fluctuation. It is important that any management allow for healthy prey populations and provide habitats that are suitable for them as well.

Research and monitoring by the DEC is currently underway for this and other grassland raptor species with the goal of creating a greater understanding of the conservation needs of these declining birds. Recent efforts have been made to more closely monitor and identify wintering raptor concentration areas throughout New York State with the Northern harrier included as a primary target species. This research has led to a better understanding of the importance of these concentration areas to the species, their response to changes in habitat and environmental conditions, and has led to the conclusive documentation of winter site fidelity for at least one location in New York State.



Distribution of Northern harrier in New York from 1st and 2nd NYS Breeding Bird Atlas records.

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

Short-eared Owl

Scientific Name: *Asio flammeus*



New York Status: **Endangered**
Federal Status: Not Listed

Description

Short-eared owls are medium size owls with small ear tufts on the top of the head. They have round, beige facial disks similar to those of barn owls. The underparts are white/buff (male) or tawny/rust (female), and streaked with brown, while the back is brown and mottled with white. When perched, the wings extend beyond the tail and in flight, the undersides of the wings show dark markings on the wrists and wing tips. The short-eared owl's flight is frequently described as "moth or bat-like" because it flies low over grasslands or marshes, moving back and forth with unhurried, irregular wing beats.

Short-eared owls are the most diurnal (active during the day) of all the northeastern owls. They are most often observed in the late afternoon and at dawn or dusk. These birds eat primarily small mammals, but they occasionally take small birds and the young sometimes eat insects. When hunting, they dive from perches or fly low over the ground and pounce on prey from above, sometimes hovering briefly before they drop.



Drawing by Jean Gawalt

Life History

Short-eared owls are birds of open country including grasslands and marshlands. They often opportunistically inhabit areas where small mammals, especially meadow voles (*Microtus pennsylvanicus*), are abundant. Their breeding sites, the number of wintering birds, the number of nesting pairs, and the number of eggs or young may change from year to year based on the food supply. Breeding occurs in March through June when both sexes begin defending territories and courting with elaborate flight displays that include wing-clapping, exaggerated wing-beats and skirmishing.

Nests are placed on the ground where the female creates a cup and lines it with grasses and down. Four to nine eggs are typical, but clutches as large as fourteen have been reported in years of peak small mammal abundance. Incubation, which is done by the female alone, lasts about a month. The eggs hatch asynchronously and fledging occurs about a month later.

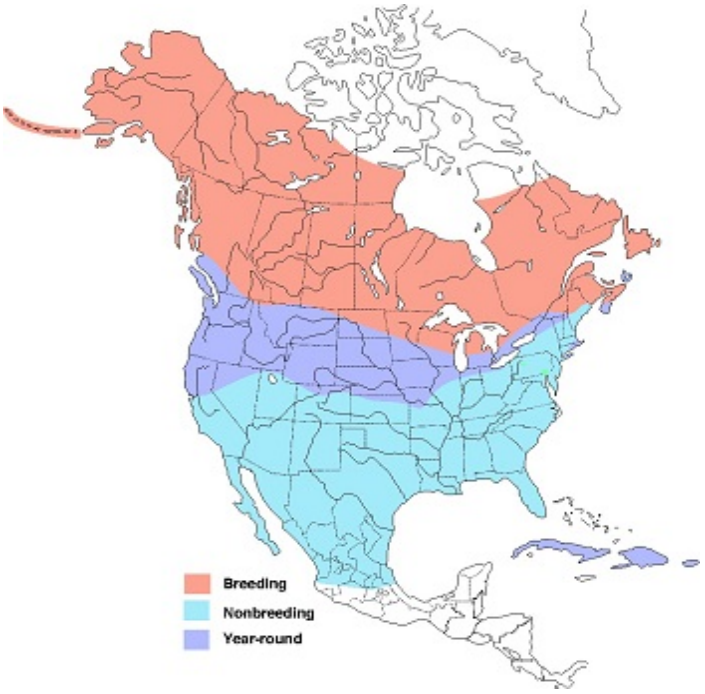
In winter short-eared owls gather in open habitats that support large numbers of voles such as both fallow and cultivated grasslands, marshlands, and landfills. When food is abundant they may form large communal roosts of up to 200 birds in sheltered sites ranging from conifers to grassy tussocks and abandoned quarries.

Deep snow and ice may reduce the availability of prey locally and cause the owls to abandon wintering areas occupied earlier in the season. However, where food remains plentiful into the spring and summer, wintering areas may become breeding sites.

Distribution and Habitat

Short-eared owls are widely distributed breeding in marshes, grasslands, and tundras throughout North America and Eurasia, and on every continent except Australia and Antarctica. They are also found on islands such as Iceland, the Hawaiian Islands, the Greater Antilles, and the Galapagos. Within their extensive global range they occur in open areas where small mammals are abundant, favoring habitats such as prairies, coastal grasslands, heathlands, shrub-steppe, and tundra.

Although there are scattered breeding records in the east as far south as Virginia, New York is at the southern edge of this owl's breeding range. Northern populations are believed to be highly migratory, and there is a marked increase in the number of birds in New York in the fall and spring. Short-eared owls are more common as winter residents in New York State. As breeders they are very rare, being largely limited to the St. Lawrence and Lake Champlain Valleys, the Great Lakes plains and the marshes of Long Island's south shore.



*Short-eared owl range map from **Birds of the World**, maintained by the Cornell Lab of Ornithology.*

Status

Early in the twentieth century Eaton called the short-eared owl "one of our commonest owls" outnumbering all other owls in lowlands and marshy areas. By 1974 it was already considered a local breeder, declining in numbers. A comparison of historical and modern breeding records suggest that this species may have been lost as a breeder in many areas including eastern Suffolk County and the upper Hudson Valley. However, knowledge of their status and distribution may be incomplete because they occur in some parts of the state that are sparsely populated, breed early in the season, and hunt late in the day.

During the second New York State Breeding Bird Atlas, this species was found at a total of 24 survey blocks resulting in a 33% total decline from the first atlas. The most substantial losses occurred on Long Island with the species detected in only one survey block during the second atlas, as compared to nine blocks during the first.

Short-eared owls winter, sometimes in significant numbers, at concentration areas located throughout the state including the Finger Lakes region, the Lake Ontario lake plains, especially in Jefferson County, several sites in the Hudson Valley, and on the shores of Long Island. Historically, many winter concentration areas were also documented as breeding areas.

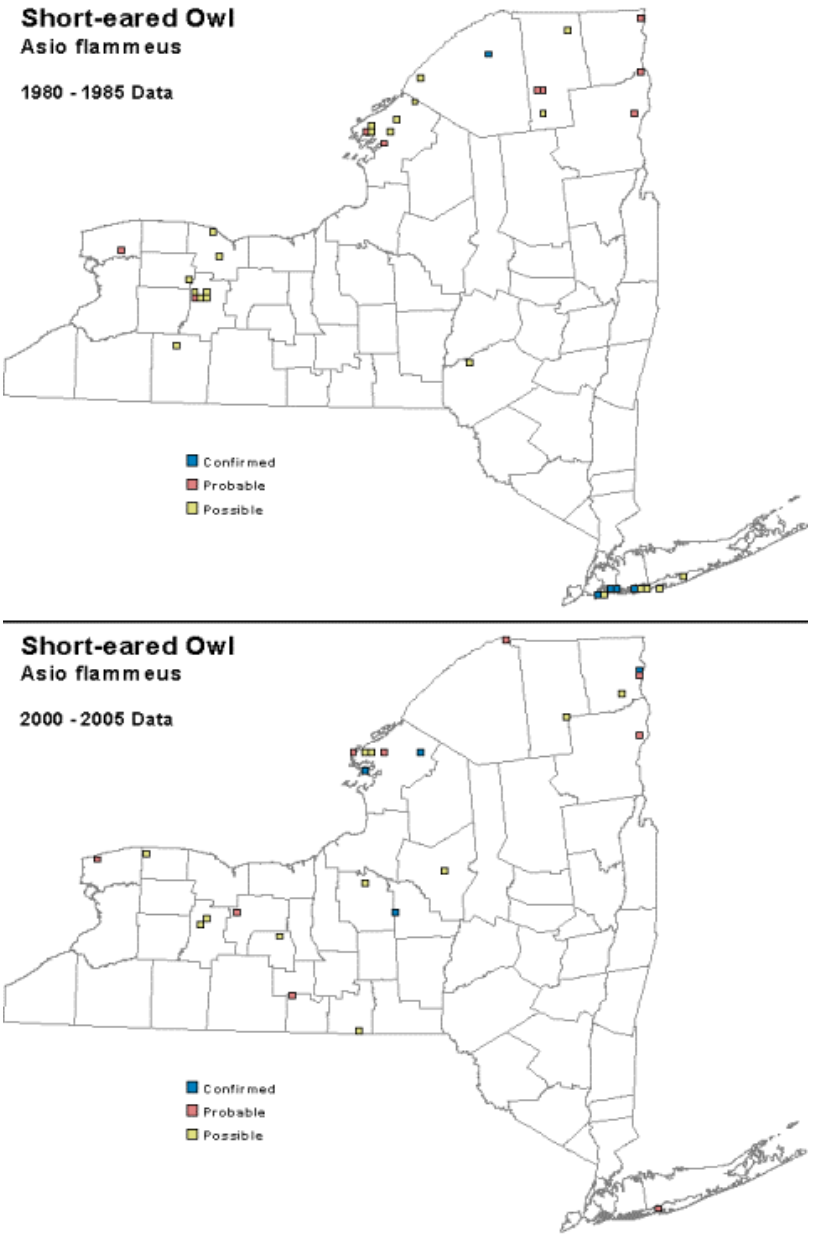
In the Northeast region, six of the thirteen states list short-eared owls as endangered while one other includes them on their state list at a lower level of conservation concern. Most biologists believe reforestation along with the loss of large, intact grasslands and other open habitats are largely responsible for this species decline.

Management and Research Needs

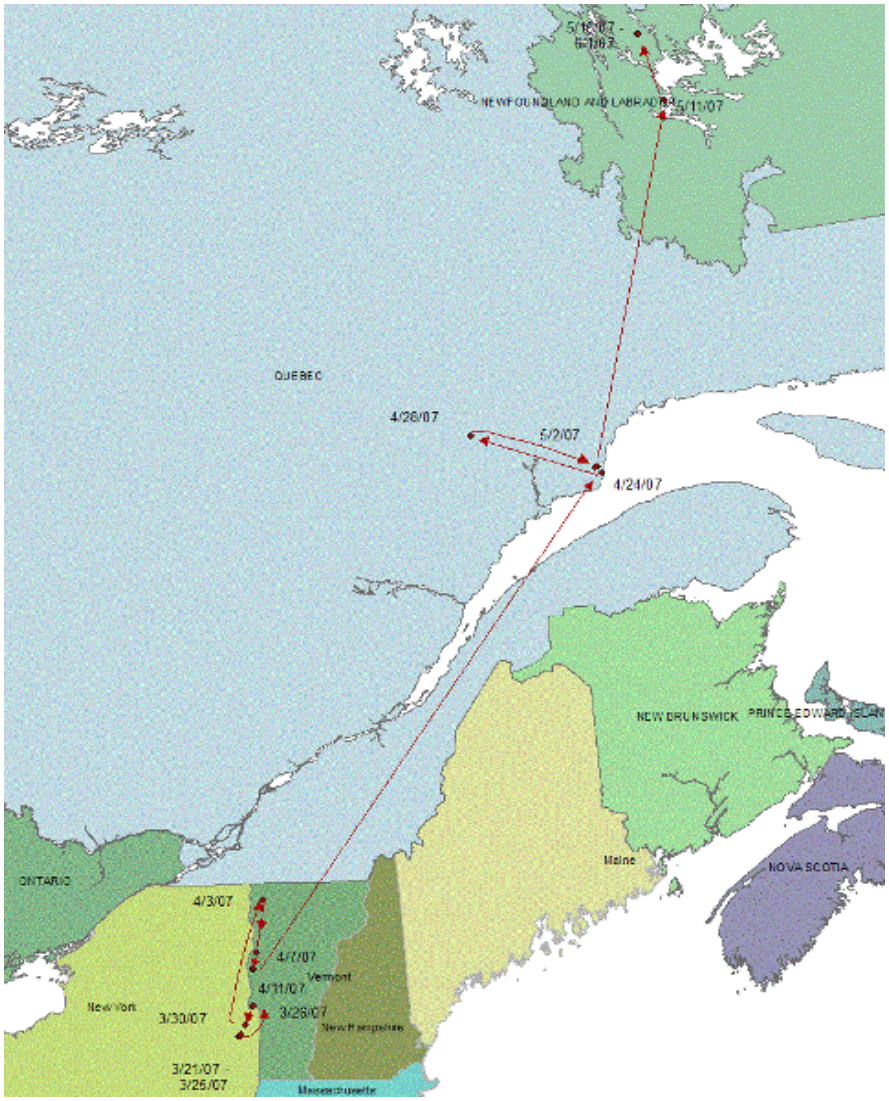
The conservation of short-eared owls in New York depends on protecting relatively large, open sites that support small rodents. Except for a few large marshes, most of the nest sites recorded in recent years have been found on farms, typically in active hayfields or pastures where the nests and young birds are sometimes mowed or plowed. Once abandoned, agricultural sites rapidly become unsuitable for owls because they succeed to woodlands or are replaced by development. In order to protect short-eared owls it will be necessary to identify suitable nesting sites that can be managed for small rodents and owls. Such management will likely have the added benefit of protecting other imperiled grassland birds with similar habitat requirements.

Recent efforts have been made to more closely monitor and identify wintering raptor concentration areas throughout New York State, with the short-eared owl included as a primary target species. This research has led to a better understanding of the importance of these concentrations areas to the species and their response to changes in habitat and environmental conditions. Light has also been shed on the migratory patterns and breeding areas of short-eared owls wintering in New York State.

Efforts have also led to the conclusive documentation of winter site fidelity for this species at two locations. Information gathered will help guide conservation efforts for this and other grassland species and potentially allow resource managers to minimize impacts of development and habitat conversion in the state.



Distribution of short-eared Owl in New York from 1st and 2nd NYS Breeding Bird Atlas records.



Capture location, migratory path, and presumed breeding location of a short-eared owl that wintered in the grasslands of Washington County in 2007.

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

Roseate Tern

Scientific Name: ***Sterna dougallii***

New York Status: ~~**Endangered**~~
Federal Status: **Endangered**



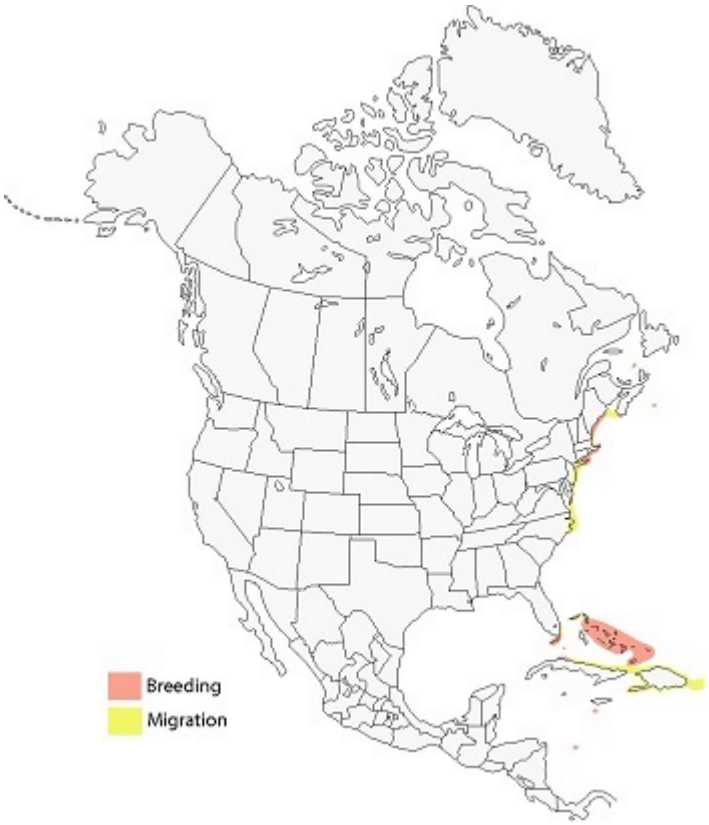
Photo courtesy of USFWS

Description

The roseate tern is a graceful bird, 14 to 17 inches long, with a wingspan of about 30 inches. It resembles the common tern. Its back and upper wings are a light pearly-grey, while its underparts are white. The tip of the white tail extends well beyond its wing tips when the bird is at rest. In the summer it has a black cap, nape and bill. Juveniles have prominent, dark "V"s on the feathers of the back. The flight of this bird is distinctive, with rapid, shallow wingbeats of equal emphasis on the upstroke and downstroke. Its call is a rasping "z-aa-p" or a soft, two-syllabled "chivy." Roseate terns feed primarily on American sand lance, a small marine fish.

Life History

Roseate terns arrive on the breeding grounds in late April or early May and begin nesting one month later. In New York, roseate terns are always found nesting with common terns. The nest may be only a depression in sand, shell, or gravel, and may be lined with bits of grass and other debris. It is usually placed in dense grass clumps, or even under boulders or rip-rap. Both adults incubate the eggs for about 23 days, and the young fledge in 22-29 days. One brood per season is typical, although two broods are sometimes produced. Migration begins in late summer. One banded individual from Great Gull Island, New York was 9 years old when recovered.



Roseate tern range map from ***Birds of the World,*** *maintained by the Cornell Lab of Ornithology.*

Distribution and Habitat

A marine coastal species, the roseate tern breeds along the coasts of the Atlantic, Pacific, and Indian oceans on salt marsh islands and beaches with sparse vegetation. In eastern North America, it breeds from the Canadian Maritime Provinces south to Long Island, although formerly the breeding range extended to Virginia.

In New York, this species breeds only at a few Long Island colonies. The largest colony, more than 1,000 pairs, is located at Great Gull Island off eastern Long Island.

Status

During the 1870s and 1880s, the roseate tern was in serious danger of extirpation from its range in the northeastern U. S. due to hunting for the millinery trade. Protection since 1918 under the Migratory Bird Treaty Act allowed this tern to recover in the 1920s and 1930s.

Threats to roseate tern populations include vegetational changes on the breeding areas, competition with gulls for suitable nesting areas, and predation. The increased presence of humans has contributed to higher predation rates. Predators such as raccoons find tern nests when they are attracted to the garbage left behind by careless beach users.

The roseate tern population is estimated to have fallen by 75% since the 1930s. Recent survey data indicates that 87% of the birds in New York nest in only one colony at Great Gull Island.

Management and Research Needs

Status and distribution of roseate tern populations is monitored annually by the DEC in cooperation with the American Museum of Natural History, The Nature Conservancy, and other researchers. A critical research need is to better understand the species' wintering habits and survival. One of the highest priorities in the recovery plan prepared by the U.S. Fish and Wildlife Service is to extend the species range by restoring some of the historic breeding areas. One success story in New York was the nesting of roseate terns and 60 pairs of common terns on Gardiners Point Island in 1995. This site supported no terns when habitat management began in 1990.

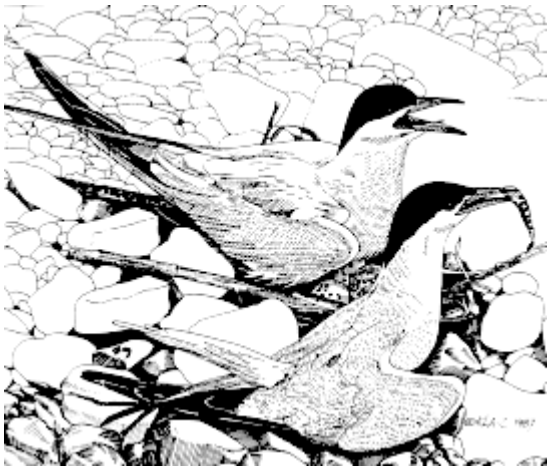


NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

Common Tern

Scientific Name: ***Sterna hirundo***

New York Status: **Threatened**
Federal Status: Not Listed



Description

The common tern is the most widespread and abundant tern in New York. This species has a light grey back, white underparts, a white, deeply forked tail, and a glossy black cap and nape. Its pointed wingtips are noticeably darker than those of the roseate tern with which it associates. The tail is also shorter and has darker outer edges. In breeding plumage, the bill is blood red with a black tip. The immature and winter adult lack enough of the black crown to appear as though balding, and the bill is uniformly dark. The call is a harsh, rolling "kee-urr," with a downward inflection. The average common tern is 13-16 inches in length, has a wingspan of about 31 inches and weighs about 4.2 ounces.

Life History

From late April to mid-May, common terns return to their northern breeding colonies. These colonies may contain several hundred to several thousand birds, including roseate, least and gull-billed terns, and black skimmers on Long Island. The nest is a simple scrape built above the high tide line in sand, gravel, shells or windrowed seaweed. It is usually lined with vegetation. A clutch of 2-4 (usually 3) eggs is laid during late May through July. Both sexes share incubation duties for 21-27 days. The young fledge about 28 days after hatching. One brood per season is typical, but re-nesting is common when the first nest is destroyed. By mid-October, the terns depart for wintering grounds, sometimes flying as fast as 40 mph.

The common tern secures its prey in a fashion similar to other terns, striking the water in shallow dives or skimming the surface. It feeds on small fish up to 3-4 inches in length. Occasionally, shrimp or aquatic insects are taken. One banded individual was found to be 25 years old upon recapture.

Distribution and Habitat

Common terns inhabit sand and shell beaches, grassy uplands and rocky inland shores in North and South America, Eurasia, and northern Africa. This species breeds in North America along the Atlantic Coast from the northern Maritime Provinces of Canada to South Carolina, and occasionally in the Gulf of Mexico or on large inland lakes.

Wintering grounds are from its southernmost breeding areas on the Atlantic Coast to northern Ecuador and Brazil. In New York, common terns nest predominantly on Long Island, but they are also known to breed on small natural and artificial islands (power cribs, piers, navigation sites, etc.) in Lake Erie, Lake Ontario, the St. Lawrence and Niagara rivers, and Oneida Lake in central New York.

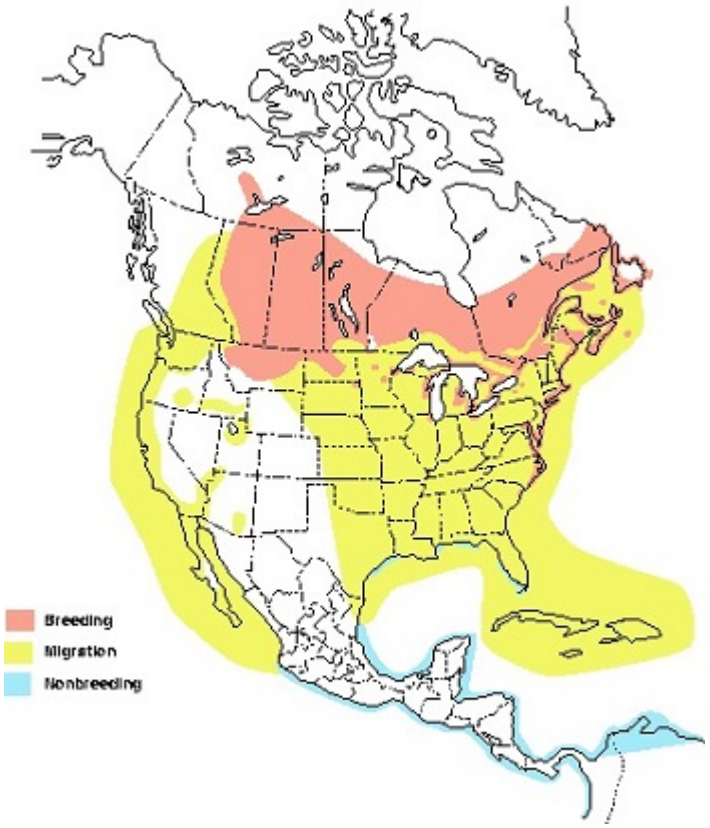
Status

In the early 1900s, common terns were almost extirpated by plume hunters. Protective legislation in 1918 allowed this species to make a comeback in the 1920s and 1930s. Today, competition with ring-billed gulls for nest sites in upstate New York and disturbance on Long Island breeding beaches are the reasons for decline.

Many colonies are being forced to breed in salt marsh habitats as a result of the increased human use of beaches and competition with herring and great black-backed gulls. Flooding and predation are problems as well.

Management and Research Needs

Researchers from private and public conservation organizations and concerned volunteers census tern breeding areas on Long Island annually. Extermination of rats has been undertaken in some areas where they were a problem in the past. In upstate New York, some nesting success has occurred as a result of the construction of gull exclosures on the terns' nesting islands.



*Common tern range map from **Birds of the World**, maintained by the Cornell Lab of Ornithology.*

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

Peregrine Falcon

Scientific Name: *Falco peregrinus*

New York Status: **Endangered**
Federal Status: Not Listed



Photo by Barbara Saunders

Description

This crow-sized falcon is admired for its incredible speeds which are seldom exceeded by any other bird. Plunging from tremendous heights, the peregrine falcon can reach up to 180 mph in pursuit of prey. It feeds primarily on birds, which it takes on the wing.

Adult peregrines are slate-grey above and pale below, with fine dark bars and spots on their underparts. Both adults and immatures have a wide, dark "moustache" mark below the eye. The tail is narrow and the wings long and pointed. Juveniles are brown overall, with dark streaking below. Airborne, this falcon can be recognized by characteristic rapid wingbeats mixed with long glides.

Watchable Wildlife **View peregrine falcons at the following Watchable Wildlife sites:**

Montezuma National Wildlife Refuge

Check out the falcon webcams at Buffalo and Poughkeepsie-Highland

Life History

Peregrine falcons generally return to the same nesting territory annually and mate for life. The courtship flight is a spectacular sight. The pair climbs high in the air and performs a precise acrobatic act of whirling spirals and steep rapid dives, often touching in midair. The average clutch consists of three to four eggs which hatch after an incubation period of 29-32 days. The single brood fledges after 35-42 days. Both parents participate in incubation and brooding activities, but the female remains at the nest for the majority of the time while the male hunts and brings food to her and the young.

Young falcons may stay in the area for about six weeks after they fledge, developing their flying and hunting skills. Sexual maturity is generally reached at two years of age, but one-year-olds have been known to produce young. Individuals may live as long as 20 years.



Photo by Barbara Saunders

Distribution and Habitat

The worldwide range of peregrine falcons is more extensive than any other bird. In addition to North America, they are found in

southern South America, Eurasia, Africa and Australia. Natives of this continent formerly bred from Alaska and Greenland south to Georgia and Baja California. That range has been greatly reduced. Wintering occurs as far north as British Columbia and Massachusetts, as far south as Central America and the West Indies.

Within its range, this falcon prefers open country from tundra, savannah and sea coasts, to high mountains, as well as open forests and tall buildings. Nests are built on high ledges, 50 to 200 feet off the ground. The nest itself is a well rounded scrape and is occasionally lined with grass.

Status

Like many other birds of prey, peregrine falcons have suffered from the use of pesticides. Exposure to DDT and other chemical contaminants has caused population declines since the 1940s. These pesticides cause eggshell thinning which drastically lowers breeding success.

At one time, there were approximately 350 breeding pairs in the eastern U. S., including 40-50 historic eyries (nest sites) in New York. By 1965, all were gone and populations in other parts of the country showed similar declines. Release programs initiated by the Peregrine Fund in the mid 1970s have resulted in peregrine falcons breeding in New York once again. In 1998, 38 pairs were present in New York, 36 bred, 31 were successful and 69 young fledged. New urban nests have been reported upstate for the first time in Albany. Gradual increases in the breeding population have been recorded throughout the east.

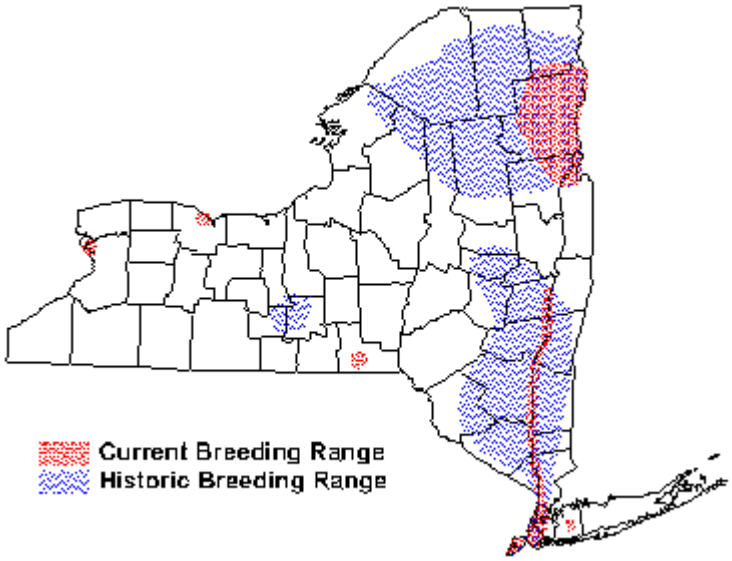
Management and Research Needs

Laws banning the use of DDT were passed by New York State in 1971 and by the federal government in 1972. Although DDT contamination has been reduced in this country, it continues to affect the peregrine and its prey outside our borders. Peregrine carcasses and unhatched eggs continue to be analyzed for DDT and other contaminants.

Hacking has proven to be a successful means of reestablishing a breeding population in the wild. Young raptors are placed at an artificial nest site and cared for until they are able to fly and hunt on their own. Through hacking, over 2,000 peregrines have been released in the U. S. and Canada. The number of breeding pairs in New York has grown steadily since 1983, when the first peregrines in decades returned to nest on bridges in New York City. This success has eliminated the need for hacking in most eastern states, including New York. Management has now shifted to locating, monitoring and protecting breeding pairs.



*Peregrine falcon range map from **Birds of the World**, maintained by the Cornell Lab of Ornithology.*



More about Peregrine Falcon:

Peregrine Falcon Program - Peregrine falcons in New York State: species description, life history, distribution, habitat, status, management and research needs.

Peregrine Falcon - Watchable Wildlife - Fascinating facts and information on the appearance, habitat preference and best places to see Peregrine falcons in the wild.

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

Piping Plover

Scientific Name: ***Charadrius melodus***

New York Status: ~~**Endangered**~~
Federal Status: **Threatened**



Photo by Barbara Saunders

Description

This pale shorebird with orange legs is the color of dry beach sand. It weighs 1.5 to 2.25 ounces and is 5.5 inches long. In spring and summer, it sports a single black neck band and a narrow black band across its forehead. In flight, the rump is white. The bill is yellowish with a black tip. The sexes appear similar in both size and plumage. The call is a melodious, organ-like, two- to four-note whistle. Piping plovers are seen individually or in small flocks.

Life History

The piping plover is the first of the shorebirds to arrive on the breeding grounds, starting from early to mid-March. Nests, which are shallow scrapes, are made during courtship and are sometimes lined with pebbles and/or shells. They are usually placed well above the high tide mark on open, generally grassless sand beaches or dredge spoil areas.

During May and June, one egg is laid every other day until the average clutch of 4 eggs is complete. If the first nesting attempt is unsuccessful, a second or third clutch may be laid, often containing only 3 eggs. The piping plover often nests with a colony of least terns. Incubation by both sexes begins with the laying of the fourth egg and takes 25-31 days. The young are precocial (born at an advanced state) and leave the nest shortly after hatching and fledge in about 28-35 days. By early September, all but a few stragglers have departed for their wintering areas.

Food is obtained by foraging on beaches, dunes and in tidal wrack. Data on the breeding behavior of piping plovers shows that some adults return to the same nesting area annually and may retain the same mate as well. One recaptured individual on Long Island was 14 years of age.

Piping plover diet consists principally of:

- marine worms
- insect larvae
- beetles
- crustaceans
- mollusks
- other small marine animals and their eggs



Piping plover chick. Photo by Barbara Saunders

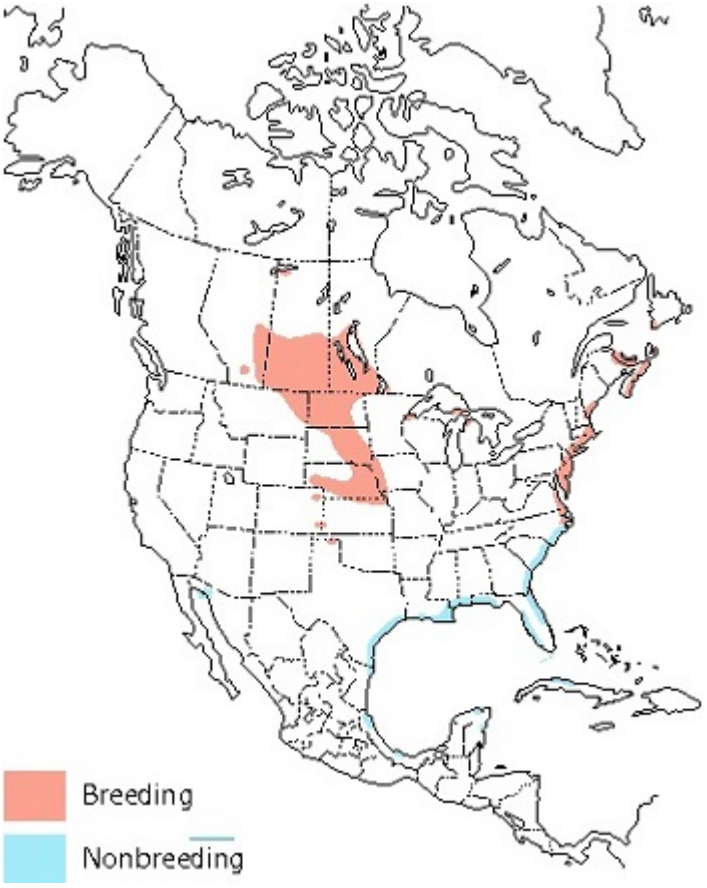
Distribution and Habitat

Piping plovers breed on dry sandy beaches or in areas that have been filled with dredged sand, often near dunes in areas with little or no beach grass. They occur along the Atlantic Coast from southwestern Newfoundland and southeastern Quebec south to North Carolina, and on inland beaches from eastern Alberta and Nebraska to Lake Ontario. Three populations currently exist: one along the East Coast, another on the upper Great Lakes, and a third on the major river systems and wetlands of the northern Great Plains.

Within New York, this species breeds on Long Island's sandy beaches from Queens to the Hamptons, in the eastern bays and in the harbors of northern Suffolk County.

A pair of piping plovers successfully nested on the eastern shore of Lake Ontario in 2015. This represents the first nesting in New York State away from the marine coastline in 30 years. In total, five Piping plovers were observed on these shores during summer 2015. Two nesting attempts occurred in 2016 in the same location.

Piping plovers spend winters along the coast from Texas to North Carolina, and infrequently as far south as the Bahamas and Greater Antilles.



*Piping plover range map from **Birds of the World**, maintained by the Cornell Lab of Ornithology.*

Status

This species was driven to near extinction around the turn of the century by extensive hunting for meat and sport. Protection since 1918 by the Migratory Bird Treaty Act allowed piping plovers to make a recovery by the mid-1920s. The population peaked in the 1940s, but declined once again due to development and recreation following World War II. Continued human pressures such as coastal development, recreational activities, and disturbance by off-road vehicles have reduced the available suitable breeding habitat for these birds. No population increases were recorded from the 1970s to the 1980s. However, recent surveys have estimated the Atlantic Coast population slightly higher at approximately 800 breeding pairs, about 200 of which nest in New York. Throughout their range, wherever the piping plover isn't listed as endangered, it is threatened.

In addition to New York, piping plover are listed as endangered in:

- Maine
- New Hampshire
- New Jersey
- Maryland
- Indiana
- Michigan
- Minnesota
- Wisconsin
- Iowa
- Ohio

- Pennsylvania

Management and Research Needs

Survey groups from the DEC, the Nature Conservancy, the Audubon Society, and a network of concerned volunteers annually census the breeding colonies on Long Island. With the cooperation of private and public landowners, fencing and signs prohibiting entry have been erected to protect existing colonies from disturbance. Tern/plover stewards actively patrol and monitor nesting sites to increase nesting success and alert the public to the vulnerability of these species to human disturbance.

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

Least Tern

Scientific Name: *Sternula antillarum*

New York Status: **Threatened**
Federal Status: **Endangered** (interior U.S. only, not on coast)



Photo by Barbara Saunders

Description

The least tern is the smallest American tern, weighing about 1 ounce and measuring about 9 inches in length. It is identified in spring and summer by a white forehead contrasting with a black crown and nape. Its body is slate grey above and white below, with the pointed wings and forked tail characteristic of most terns. The bill and feet are yellow. Wingbeats are uniquely rapid and the black leading edge of the outer wing is conspicuous in flight. Immature least terns have upper parts which are mottled white and dark brown. The call is either a sharp, penetrating "kip-kip-kip" or a shrill "zreep."

Life History

By late April to mid-May, the least tern is on its northernmost breeding grounds, usually arriving before common terns and black skimmers. The least tern breeds in colonies of up to 200 birds. Nests are scraped in sand or gravel, and may be lined sparingly with small shells or other debris. Eggs are commonly laid in clutches of 2 from late May through June, and are incubated by both sexes for 21 days. The young fledge in 19-20 days. The least tern is very defensive in the colony, and adults scream and dive at intruders. Piping plovers, another endangered beach-nesting bird, are commonly found nesting in association with least terns. By late August and early September, least terns leave their northern breeding grounds to head for wintering areas.

Least terns feed mostly on small fish caught by skimming the surface of the water or by making dives from the air. Banding studies have shown individuals living up to 21 years.

Distribution and Habitat

The least tern has a nearly worldwide distribution. In the Western Hemisphere it breeds on the Pacific Coast from Central California to Peru; inland along the Colorado, Red, Rio Grande, Missouri, and Mississippi river systems; on the Atlantic Coast from Maine to Argentina; and along the Great Lakes in Michigan, Minnesota, Wisconsin, and Ohio. Migrants mainly occur on Long Island's outer coast and rarely on the lower Hudson River. This species winters from the Gulf Coast and Central America south to Peru and Brazil.

The least tern breeds on broad, level expanses of open sandy or gravelly beach, dredge spoil and other open shoreline areas, and more rarely, inland on broad river valley sandbars. In an unusual case, 20 pairs nested on the roof of a city auditorium in Pensacola, Florida in 1957, and have continued to do so annually.

Status

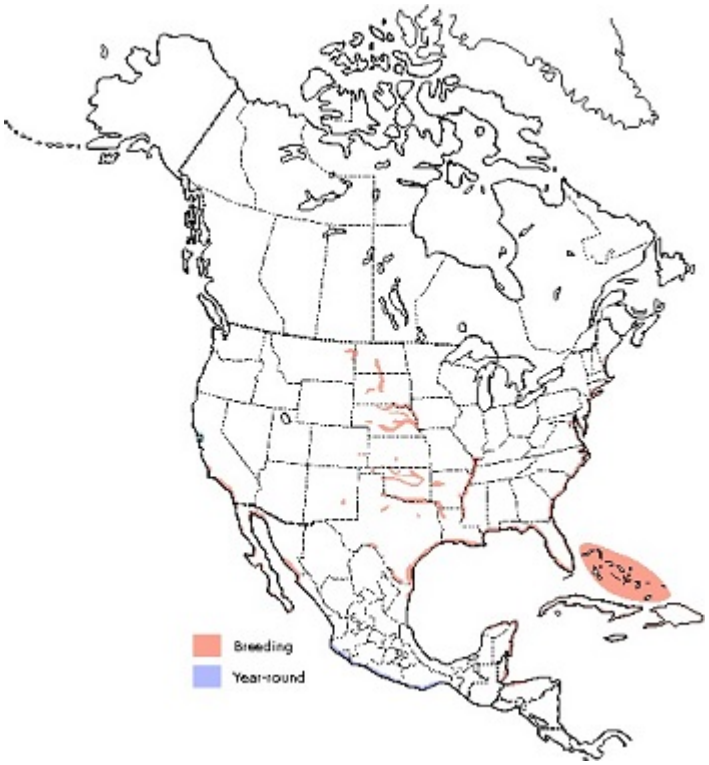
The U. S. Fish and Wildlife Service lists the least tern population found in the interior U. S. as endangered. Around the turn of the century, the least tern was in danger of extirpation in the northeastern U. S. because of

hunting for the millinery trade. Protective legislation in 1918 allowed the species to recover in the 1920s and 1930s. In recent years, however, human pressures have been causing a decline in populations of this species. Surveys from 1985-1995 found an average of approximately 3,000 breeding pairs at between 50 and 66 colonies along New York's Long Island coast.

Development of coastal areas destroys breeding habitat and recreational activities can disrupt reproduction. Increases in populations of more aggressive gulls has led to competition for nesting sites. Some colonies are severely limited by predation from rats, great horned owls, black-crowned night herons, dogs, and cats.

Management and Research Needs

Researchers from private and public conservation organizations and concerned volunteers annually census breeding colonies on Long Island. With the cooperation of landowners, nesting areas are fenced off and signs are posted in an attempt to protect colonies from disturbance. Tern stewards monitor colonies and provide information to the public about this and other beach-nesting species. Extermination of rats has been undertaken in several areas.



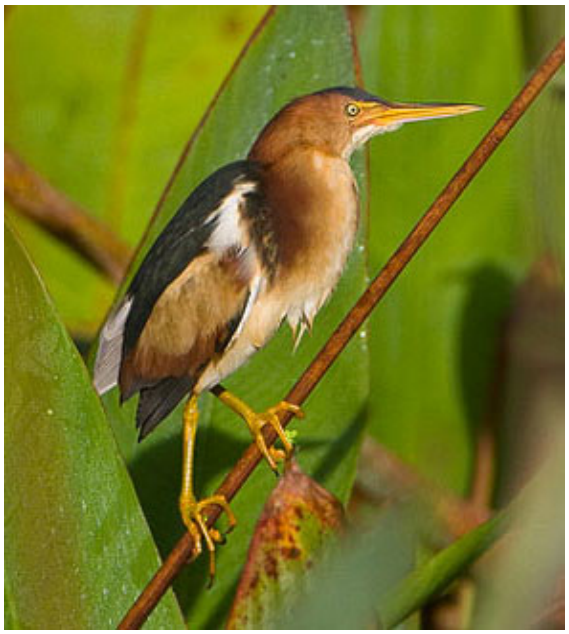
*Least tern range map from **Birds of the World**, maintained by the Cornell Lab of Ornithology.*

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

Least Bittern

Scientific name: *Ixobrychus exilis*

New York Status: **Threatened**
Federal Status: Not Listed



© *Judd Patterson*

Description

The least bittern is the smallest member of the Ardeidae (heron) family in North America at just 13 inches in length, a wingspan of 17 inches, and an average weight of just three ounces. What the least bittern lacks in size it makes up for in appearance. It is a striking and colorful bird with yellow eyes and a thin yellow bill placed atop a long, chestnut and buff-striped throat. The slightly-crested crown, nape, back, and tail are blackish-green and the neck, sides, and undersides are chestnut and white. The wings are black, chestnut, and buff which when folded against the body appear as light-colored streaks along the back.

In New York, they are most vocal in late May and early June and this is also the best time to catch a glimpse of this extremely secretive bird. The male advertising call is a soft coo-coo-coo; males and females give a harsh contact call to their mate, gack-gack, from the nest; an ank-ank call may be given when the species is flushed from the marsh.

Life History

Least bitterns initiate nesting in New York in late May to early June. In prime marsh habitat, least bitterns may nest in small groups of up to 15 pairs per hectare (≈ 2.5 acres). Nests are usually constructed of cattail leaves and situated over the water in dense, tall stands of the emergent vegetation. The average clutch size is five eggs and the species has been documented to lay up to two clutches in one season. Least bittern chicks leave the nest at five to nine days old and fly when they are approximately one month old.

Least bitterns feed primarily on small fish, such as minnows, sunfish and perch. Additionally, they rely upon insects (such as dragonflies and beetles), snakes, frogs, tadpoles, salamanders, crayfish and some small mammals. Least bitterns find their prey by stalking through the base of dense vegetation or clinging to the vegetation with their long toes and claws, while extend their long necks down to the edge of a small pool of open water. This technique allows them to forage in deeper water than their small size would normally allow from the ground. In areas where prey is abundant, least bitterns may construct a "foraging platform" consisting of bent reeds and cattails to support their weight.

Distribution and Habitat

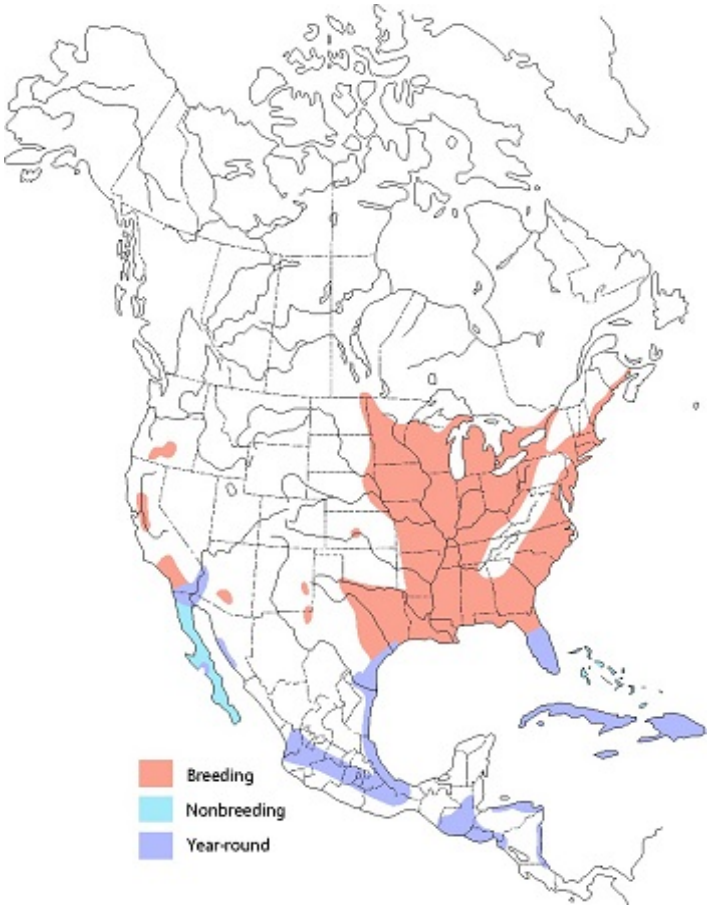
The least bittern range extends from southeastern Canada south through the U.S. and east to the Atlantic Coast, but they are absent along the entire Appalachian Mountain range. In the western U.S., populations are found in the Central Valley and Modoc Plateau of California, Klamath and Malheur Basins in Oregon, and along the Colorado River in southwestern Arizona and southeastern California. Small, discontinuous populations exist from Mexico to Costa Rica and the Caribbean with subspecies extending well into South America.

Least bitterns occur in freshwater and brackish marshes with tall, dense emergent vegetation such as cattails, sedges, and rushes that are interspersed with clumps of woody shrubs and open water. In New York, least bitterns thrive in the large, expansive cattail marshes associated with the Great Lakes, the Finger Lakes, Lake Champlain, and the St. Lawrence and Hudson River Valleys.

Status

The U.S. Fish and Wildlife Service consider the least bittern to be a "Bird of Conservation Concern" (USFWS 2008) and it is a Threatened species in New York State. Regional declines have been detected over the last 10 years on survey routes across the Great Lakes basin. In New York, declines in the Hudson River have been documented over the last 20 years except at certain sites where management of invasive plants, such as common reed (Phragmites) and purple loosestrife, has occurred.

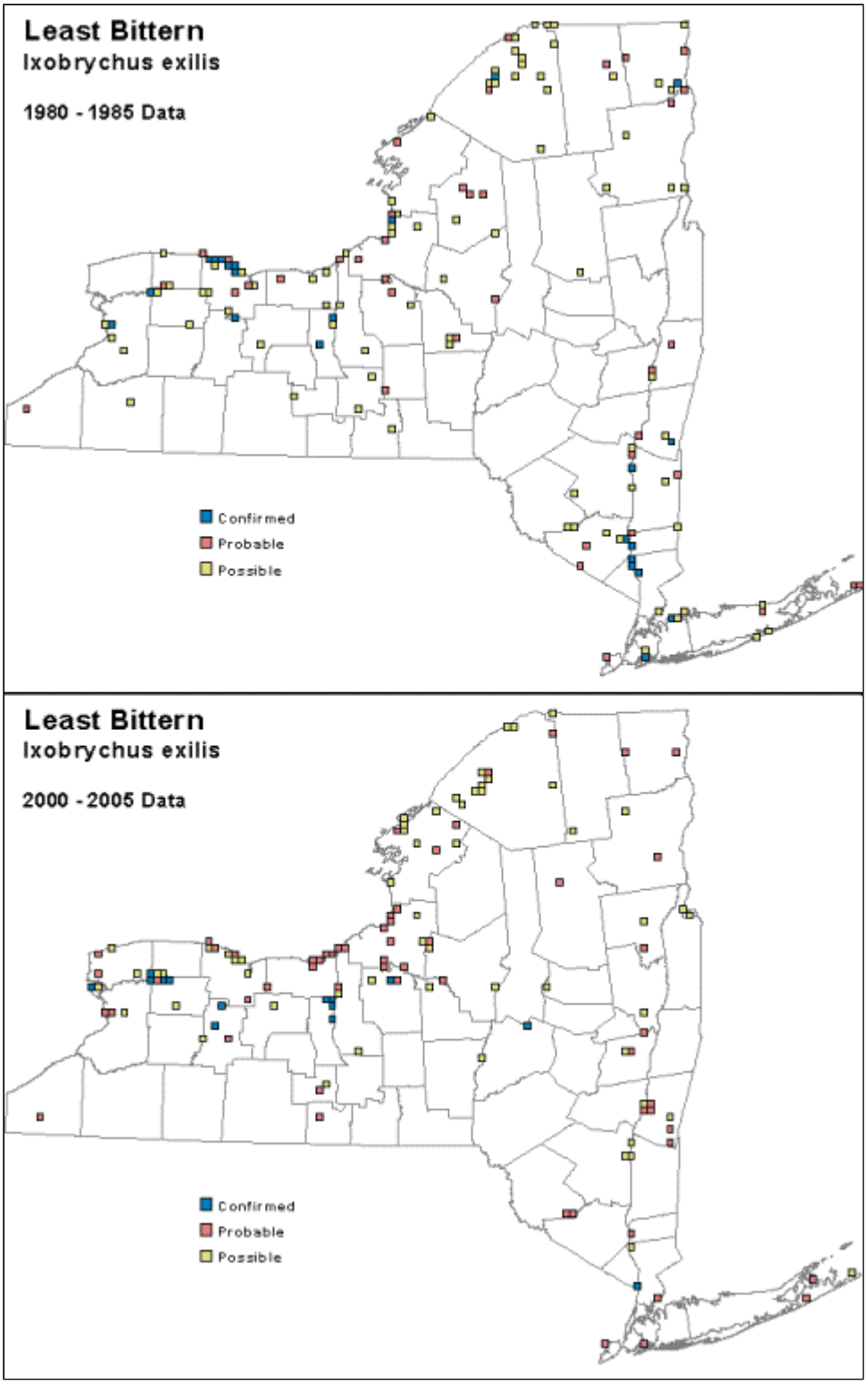
Population trends are difficult to determine because of the secretive nature of least bitterns. They are often missed on large-scale roadside surveys, like the Breeding Bird Survey. A national effort is underway to survey secretive marsh bird species, including least bittern, with a goal to estimate the population status and long term trends.



*Least bittern range map from **Birds of the World**, maintained by Cornell Lab of Ornithology.*

Management and Research Needs

Monitoring suitable habitat for changes in least bittern occupancy will facilitate a better understanding of their population trends. In addition, maintaining prime habitat through invasive species management and water level manipulation is necessary to prevent further local population declines. Restoration of degraded habitats may support an increase in local populations. Identification, protection, and management of major migratory stopover points and management of wintering grounds are also necessary to prevent further population declines.



Distribution of least bittern in New York from 1st and 2nd NYS Breeding Bird Atlas records.

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

Pied-billed Grebe

Scientific name: *Podilymbus podiceps*

New York Status: **Threatened**
Federal Status: Not Listed



© Philip Jeffrey Photography

Description

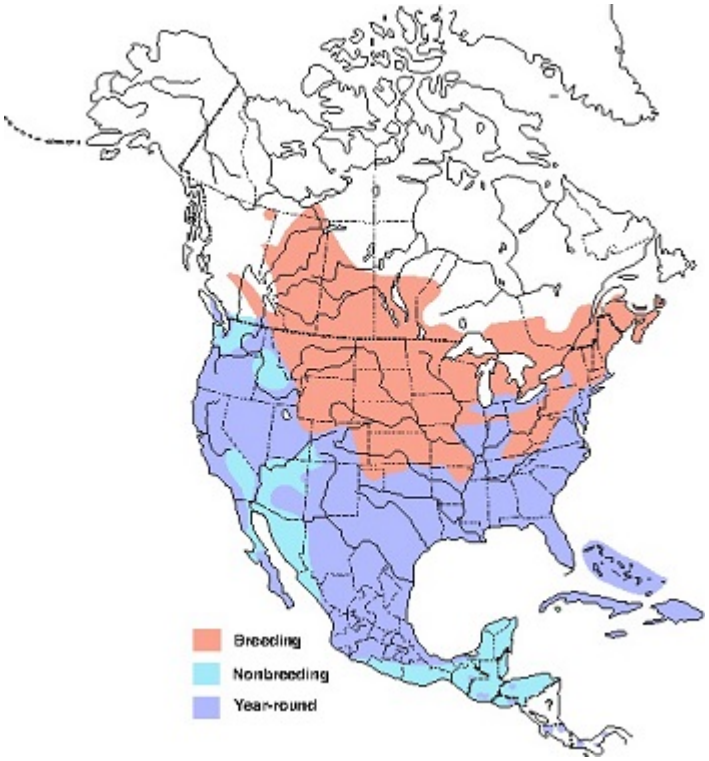
The pied-billed grebe is a small waterbird measuring approximately 11 to 15 inches in total length, with a 20 to 22.5-inch wingspan and average weight of just 0.75 to 1.0 pound. Males are larger than females but both share similar plumage characteristics. They are dark brown with a black throat patch, and the sides of their neck and flanks are grayish-buff. The tail is a short tuft of wispy feathers with white undertail coverts.

Their name comes from their most distinguishing characteristic: the pied, or two-colored bill which is bluish-white with a distinct black vertical bar on either side. The bill is short, laterally compressed, and slightly hooked downward. Grebes are built for water with legs situated far back on their bodies to assist diving for food. This type of anatomy makes walking on land awkward and difficult; therefore, you'll rarely see them out of the water if you're lucky enough to see them at all!

The pied-billed grebe is a secretive bird and is generally heard more often than it is seen. It is most vocal during the breeding season in late April and May. The vocal array is variable but is most often a repeated series of soft and slow to start caow, caow, caow notes that build in volume and speed, followed by a series of long, whining kaooo notes.

Life History

The pied-billed grebe's wintering range extends from the southern U.S. to Central America and parts of South America, where they occupy open lakes and rivers, estuaries, and tidal creeks. They return to New York between late March and mid-April. Pair formation may occur on wintering grounds, during migration, or on the breeding grounds. Shortly after their arrival on breeding grounds, the pair builds a floating platform nest in open water or within stands of tall, emergent vegetation, such as cattails. The nest is made up of soft, flexible vegetation from the pond or lake bottom and leaves clipped from the water surface. The average clutch size is six eggs with one egg laid per day. Incubation generally lasts for 23 to 24 days. Chicks can swim for a few minutes at a time within the first day of hatching but spend most of the first week riding on the adult's back. Time spent on the water gradually increases over the next four weeks until the young are feeding independently.



*Pied-billed grebe range map from **Birds of the World**,*

maintained by the Cornell Lab of Ornithology.

The pied-billed grebe diet typically consists of fish, crayfish, and aquatic insects which they collect during underwater dives. Fledging occurs 30 to 60 days after hatching; however, independent young may remain in small groups with their siblings until they leave for the wintering grounds between September and November.

Distribution and Habitat

The pied-billed grebe is the most widely distributed grebe in the Americas. It ranges from southern coastal Alaska across mid to southern Canada, throughout the U.S., Central America, and the Caribbean, and south to central Chile and southern Argentina. It breeds on freshwater to brackish seasonal and permanent ponds. It requires dense stands of deep water emergent vegetation (e.g., cattails) for nesting and cover that are situated close to open water for foraging. In New York, pied-billed grebe breeding records are scattered across the state but are most abundant in marshes associated with the St. Lawrence River Valley and Lake Ontario.

Status

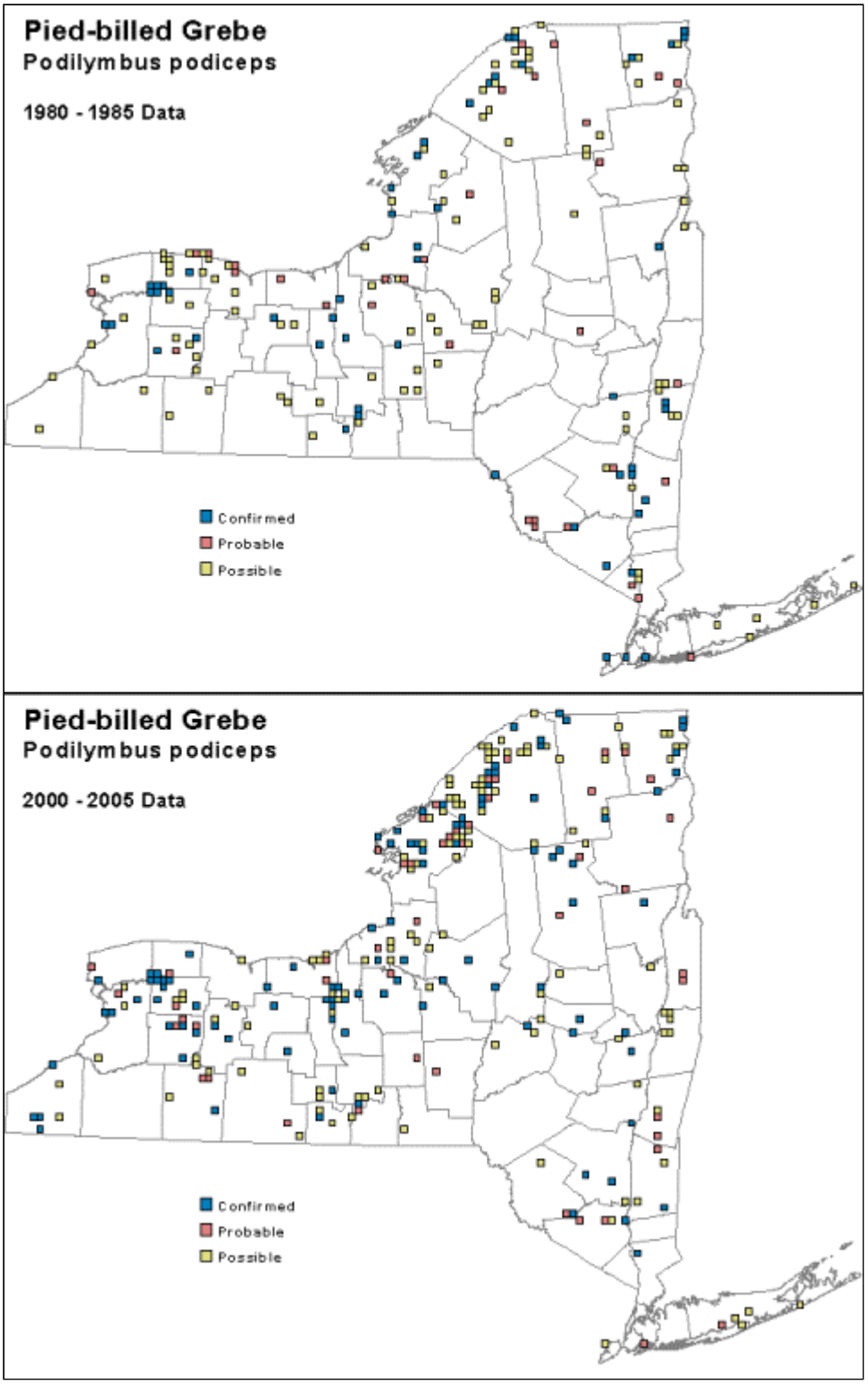
Population numbers most likely coincide with the availability of suitable habitat. Long-term declines were noted between the 1960s and 1990s in many parts of its range due to loss of wetland habitat and residual effects from exposure to DDT and other pesticides. The pied-billed grebe is considered endangered or threatened in many states, particularly in the northeastern U.S. However, wetland conservation and restoration efforts have helped to boost pied-billed grebe numbers in recent years.

The 2000-2005 New York State Breeding Bird Atlas noted a 47 percent increase in distribution from the 1980-1985 records for the species, particularly in the St. Lawrence River Valley and Lake Ontario marshes. Conversely, results from a Canadian study during the mid 1990s through mid 2000s showed significant declines across the entire Great Lakes Basin, particularly in the Lake Ontario marshes. These conflicting results illustrate the difficulty in assessing population trend data for secretive, marsh-dwelling species.

Management and Research Needs

A coordinated National Marsh Bird Monitoring Program is underway that will allow biologists to determine population increases and declines for focal species across their ranges. Surveys that specifically target secretive marsh birds are necessary because marsh birds are rarely detected on traditional bird survey routes, such as the Breeding Bird Survey.

Local changes in population are often associated with changes in habitat. Pied-billed grebes rely on large wetlands with "hemi-marsh" (an even mixture of emergent vegetation and open water) conditions that are deep enough for underwater foraging. Managing large wetland areas of suitable hemi-marsh habitat will attract pied-billed grebes and, hopefully, will prevent further population declines.



Distribution of pied-billed grebe in New York from 1st and 2nd NYS Breeding Bird Atlas records.

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

Atlantic Sturgeon

Report sightings of live or dead sturgeon to help us better understand the occurrence of Atlantic Sturgeon in New York's waters. Sturgeon in the Hudson River should be reported to 845-256-3073 or by emailing us, reports of sturgeons in marine waters should be reported to 631-444-0444 or by emailing us.

Atlantic sturgeon (*Acipenser oxyrinchus*) is one of the largest and longest-lived anadromous fish in North America. Anadromous fish are born in fresh water, but spend majority of their lives in the ocean, returning to fresh water only to spawn. In New York, mature males immigrate into the Hudson River in early spring, and females follow approximately one month later. After spawning, the adults return to the Atlantic Ocean while juvenile sturgeon remain in the estuary for two to six years before moving to the ocean to mature.

The Atlantic sturgeon was once a major commercial fishery. This fishery was so productive that Atlantic sturgeon were once referred to as "Albany beef" as they were a common source of protein throughout the Hudson Valley. Unfortunately, due to overfishing and their susceptibility to getting caught as bycatch in other fisheries, their populations collapsed and have been slow to recover. The Atlantic sturgeon fishery was shut down in 1998 after an unsuccessful attempt to restore the population. In 2012, the National Oceanic and Atmospheric Administration (NOAA) Fisheries (leaves DEC website), listed the Atlantic sturgeon as endangered. Even though the Atlantic sturgeon is no longer fished, and possession is illegal, they are still vulnerable to many threats such as bycatch, climate change, environmental events, and a variety of human activities that result in population impacts.

Management



Atlantic States Marine Fisheries Commission (ASMFC) (link leaves DEC's website) is responsible for the cooperative interstate management of Atlantic sturgeon. During 1993 through 1995, New York regulated the Atlantic sturgeon fishery with size limits, seasons, area closures, and as more data became available, it became apparent that the Hudson River stock was being overfished. New York implemented a harvest moratorium in 1996. New Jersey followed with a zero quota in the same year. In 1998, the ASMFC adopted Amendment 1 to the Interstate Fishery Management Plan for Atlantic Sturgeon. This amendment banned possession of Atlantic sturgeon in all U.S. Atlantic coastal states. It also recommended that states with spawning populations sample adults every five years and identify bycatch losses in state waters. In 2012, the Hudson River stock was listed as an endangered species as part of the NY Bight Distinct Population Segment. A benchmark stock assessment (PDF; link leaves DEC's website) was completed in the fall of 2017 and concluded all coastwide Atlantic sturgeon stocks remain depleted relative to historical levels.

Hudson River Fisheries Unit, Division of Marine Resources and other state and local agencies work cooperatively to gather information about the Atlantic sturgeon through a variety of programs and surveys. To read more about long term monitoring and research being done by the NYSDEC to better conserve the Atlantic sturgeon, visit the pages below.

Atlantic Sturgeon Salvage Program



The Atlantic Sturgeon Salvage Program is a network run by NOAA to help conserve Atlantic and shortnose sturgeon. In New York State, NYSDEC Marine Protected Resources and Hudson River Fisheries Unit work together to effectively protect this endangered species in both its marine and freshwater habitats. Information regarding washed up sturgeons is sent to NOAA Fisheries and they may provide a unique identification number for that particular sturgeon. We rely on assistance from the general public to help conserve this endangered species and encourage individuals to report any sturgeon they may come across.

Reporting Dead Sturgeon

- If you encounter a live or dead sturgeon in the **Hudson River region**, notify DEC by calling 845-256-3073 or emailing HudsonRiverFish@dec.ny.gov.
- If you encounter an Atlantic sturgeon in **marine waters**, including Long Island Sound, notify DEC by calling 631-444-0444 or emailing MarineProtectedResources@dec.ny.gov

When reporting, please provide the following information:

- Specify the location of the fish carcass. Please be as specific as possible and provide coordinates, if possible.
- Note the condition of the fish - really rotted or fresh kill.
- Identify any signs of trauma, and if present, where on the fish.
- Estimate the total length of the carcass (measure from nose to tip of upper tail [caudal] fin) or whatever is left of the carcass.
- Describe any external tags found on the fish - usually a yellow streamer at or near the base of the dorsal fin; a second external mark can be a missing left pelvic fin clip.
- Take a photograph of the entire fish and any injury and include a picture of the head and mouth to verify the species.
- Send all information and pictures to the **DEC email above.**
- **Do not handle the fish, leave it where you found it - possession of Atlantic or shortnose sturgeon is prohibited.**

More about Atlantic Sturgeon:

Atlantic Sturgeon in the Marine Environment - What NYSDEC is doing to help conserve sturgeon in the Marine Environment

Atlantic Sturgeon in the Hudson River Region - What NYSDEC is doing to help conserve sturgeon in the Hudson River Region (Long-term monitoring and additional research).

Juvenile Atlantic Sturgeon Index - Juvenile Atlantic sturgeon abundance index

ATTACHMENT B

New Jersey's Endangered and Threatened Wildlife

The lists of New Jersey's endangered and threatened wildlife species are maintained by the Division of Fish and Wildlife's Endangered and Nongame Species Program (ENSP). These lists are used to determine protection and management actions necessary to ensure the survival of the state's endangered, threatened and other nongame wildlife. See the Species Status Assessment page for information on the listing process.

This work is made possible through voluntary contributions received through Check-off donations to the Endangered Wildlife Conservation Fund on the State Income Tax Form, the sale of Conserve Wildlife License Plates, and donations.

To report a sighting of endangered or threatened wildlife, use the Rare Wildlife Sighting Report Form.

Endangered Species are those whose prospects for survival in New Jersey are in immediate danger because of a loss or change in habitat, over-exploitation, predation, competition, disease, disturbance or contamination. Assistance is needed to prevent future extinction in New Jersey.

Threatened Species are those who may become endangered if conditions surrounding them begin to or continue to deteriorate.

There are other classifications for wildlife as well, including Stable, Species of Special Concern and Undetermined. For a complete listing of species monitored by the ENSP, see the Species Status Listing on the Conserve Wildlife Foundation of NJ website.

Species names in the tables below link to PDF documents containing identification, habitat and status and conservation information. For more detailed descriptions, photographs, and range maps of New Jersey's endangered, threatened, and special concern species, please refer to the Conserve Wildlife Foundation of NJ's on-line field guide.

BIRDS			
Endangered		**Threatened**	
Bittern, American BR	*Botaurus lentiginosos* BR	Bobolink BR	*Dolichonyx oryzivorus* BR
Eagle, bald BR	*Haliaeetus leucocephalus* BR	Eagle, bald NB	*Haliaeetus leucocephalus* NB
Falcon, peregrine BR	*Falco peregrinus* BR	Egret, cattle BR	*Bubulcus ibis* BR
Goshawk, northern BR	*Accipiter gentilis* BR	Kestrel, American	*Falco sparverius*
Grebe, pied-billed BR	*Podilymbus podiceps* BR	Lark, horned BR	*Eremophila alpestris* BR
Harrier, northern BR	*Circus cyaneus* BR	Night-heron, black-crowned BR	*Nycticorax nycticorax* BR
Hawk, red-shouldered BR	*Buteo lineatus* BR	Night-heron, yellow-crowned	*Nyctanassa violacea*
Knot, red NB	*Calidris canutus* NB	Osprey BR	*Pandion haliaetus* BR
Owl, short-eared BR	*Asio flammeus* BR	Owl, barred	*Strix varia*
Plover, piping**	*Charadrius melodus***	Owl, long-eared	*Asio otus*
Rail, black BR	*Laterallus jamaicensis* BR	Rail, black NB	*Laterallus jamaicensis* NB
Sandpiper, upland	*Batramia longicauda*	Sparrow, grasshopper BR	*Ammodramus savannarum* BR
Shrike, loggerhead NB	*Lanius ludovicianus* NB	Sparrow, Savannah BR	*Passerculus sandwichensis* BR
Skimmer, black	*Rynchops niger*	Woodpecker, red-headed	*Melanerpes erythrocephalus*
Sparrow, Henslow's	*Ammodramus henslowii*		
Sparrow, vesper BR	*Pooecetes gramineus* BR		
Tern, least	*Sternula antillarum*		
Tern, roseate**	*Sterna dougallii***		
Warbler, golden-winged BR	*Vermivora chrysoptera* BR		
Wren, sedge	*Cistothorus platensis*		
**Federally endangered or threatened			
BR - Breeding population only; NB - non-breeding population only			

REPTILES			
Endangered		**Threatened**	
Rattlesnake, timber	*Crotalus h. horridus*	Snake, northern pine	*Pituophis m. melanoleucus*
Snake, corn	*Elaphe g. guttata*	Turtle, Atlantic green**	*Chelonia mydas***
Snake, queen	*Regina septemvittata*	Turtle, wood	*Glyptemys insculpta*
Turtle, bog**	*Glyptemys muhlenbergii***		
Hawksbill, Atlantic**	*Eretmochelys imbricata***		
Leatherback, Atlantic **	*Dermochelys coriacea***		
Loggerhead, Atlantic **	*Caretta caretta***		
Ridley, Atlantic **	*Lepidochelys kempii***		
**Federally endangered or threatened			

AMPHIBIANS			
Endangered		**Threatened**	
Salamander, blue-spotted	*Ambystoma laterale*	Salamander, eastern mud	*Pseudotriton montanus*
Salamander, eastern tiger	*Ambystoma tigrinum*	Salamander, long-tailed	*Eurycea longicauda*

Treefrog, southern gray	*Hyla chrysocelis*	Treefrog, pine barrens	*Hyla andersonii*

INVERTEBRATES			
Endangered		**Threatened**	
Beetle, American burying**	*Nicrophorus americanus***	Baskettail, robust(dragonfly)	*Epitheca spinosa*
Beetle, northeastern beach tiger**	*Cincindela d. dorsalis***	Clubtail, banner (dragonfly)	*Gomphus apomyius*
Copper, bronze	*Lycaena hyllus*	Clubtail, harpoon (dragonfly)	*Gomphus descriptus*
Floater, brook (mussel)	*Alasmidonta varicosa*	Elfin, frosted (butterfly)	*Callophrys irus*
Floater, green (mussel)	*Lasmigona subviridis*	Emerald, Kennedy's (dragonfly)	*Somatochlora kennedyi*
Petaltail, gray (dragonfly)	*Tachopteryx thoreyi*	Floater, triangle (mussel)	*Alasmidonta undulata*
Satyr, Mitchell's (butterfly)**	*Neonympha m. mitchellii***	Fritillary, silver-bordered (butterfly)	*Bolaria selene myrina*
Skipper, arogos (butterfly)	*Atrytone arogos arogos*	Jewelwing, superb (dragonfly)	*Calopteryx amata*
Skipper, Appalachian grizzled (butterfly)	*Pyrgus wyandot*	Lampmussel, eastern (mussel)	*Lampsilis radiata*
Wedgemussel, dwarf**	*Alasmidonta heterodon***	Lampmussel, yellow (mussel)	*Lampsilis cariosa*
		Mucket, tidewater (mussel)	*Leptodea ochracea*
		Pondmussel, eastern (mussel)	*Ligumia nasuta*
		Snaketail, brook, (dragonfly)	*Ophiogomphus asperses*
		White, checkered (butterfly)	*Pontia protodice*
**Federally endangered or threatened			

MAMMALS	
Endangered	
Bat, Indiana**	*Myotis sodalis***
Bobcat	*Lynx rufus*
Whale, North Atlantic right**	*Eubalaena glacialis***
Whale, blue**	*Balaenoptera musculus***
Whale, fin**	*Balaenoptera physalus***
Whale, humpback**	*Megaptera novaeangliae***
Whale, sei**	*Balaenoptera borealis***
Whale,sperm**	*Physeter macrocephalus***
Woodrat, Allegheny	*Neotoma magister*
**Federally Endangered	

FISH	
Endangered	
Sturgeon, Atlantic**	*Acipenser oxyrinchus oxyrinchus***
Sturgeon, shortnose**	*Acipenser brevirostrum***
**Federally Endangered	

List updated 4/2/12

The lists of New Jersey's endangered and nongame wildlife species are maintained by the DEP's Division of Fish and Wildlife's Endangered and Nongame Species Program. These lists are used to determine protection and management actions necessary to ensure the survival of the state's endangered and nongame wildlife.

This work is made possible through voluntary contributions received through Check-off donations to the Endangered Wildlife Conservation Fund on the State Income Tax Form, the sale of Conserve Wildlife License Plates, and donations. For more information about the Endangered and Nongame Species Program or to report a sighting of endangered or threatened wildlife, contact the Endangered and Nongame Species, NJ Division of Fish and Wildlife, Mail Code 501-03, PO Box 420, Trenton, NJ 08625-0420.

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Department of Environmental Protection
P.O. Box 402
Trenton, NJ 08625-0402

Last Updated: March 20, 2018

MARINE TURTLES

Atlantic loggerhead turtle, *Caretta caretta*

Status: ***State:*** Endangered ***Federal:*** Threatened

Atlantic leatherback turtle, *Dermochelys coriacea*

Status: ***State:*** Endangered ***Federal:*** Endangered

Kemp's ridley turtle, *Lepidochelys kempi*

Status: ***State:*** Endangered ***Federal:*** Endangered

Atlantic green turtle, *Chelonia mydas*

Status: ***State:*** Threatened

Federal: Threatened/Florida and Mexico breeding populations endangered

Atlantic hawksbill turtle, *Eretmochelys imbricata*

Status: ***State:*** Endangered ***Federal:*** Endangered

Identification:

Loggerhead: The loggerhead sea turtle's carapace (upper shell) is a distinguishing reddish-brown for both adults and sub-adults. Scales on the top and sides of the head and top of the flippers are also reddish-brown, but have yellow borders. The scutes (scale-like, horny layers) on the carapace are thin, but very hard and very rough, and often covered with barnacles. The neck, shoulders and limb bases are dull



Photo by Ryan Haggerty, courtesy US FWS

brown on top and medium yellow on the sides and bottom. The plastron (underneath shell) is also medium yellow. The very strong horny beak is comparatively thicker than other sea turtles. The foreflippers are relatively short and thick, with two visible claws; rear flippers have two to three claws.

Generally, the mean straight carapace length of mature females is between 81.5 and 105.3 cm (32.6 in. to 42.12 in.), with a mean weight near 75 kg (65.7 to 101.4 kg) or 165 lbs. (144 to 223 lbs.) (FAO 1990).

Hatchlings are dark brown, with flippers that are pale brown on their edges and underneath, and with a plastron that usually is much paler. The hatchlings and juveniles have blunt spines on the scutes on their carapace; the spines disappear during the juvenile stage (Unless otherwise noted, all physical descriptions in this section rely upon FAO 1990).



Photo courtsey US FWS

Leatherback: The largest of all sea turtles, the leatherback is one of the largest living reptiles; only some species of crocodiles are larger. It is easily distinguished by its black, leathery skin, huge, spindle- or barrel-shaped bodies and long flippers. As Archie Carr wrote, "This extraordinary turtle … could be confused with nothing else" (Carr 1995). Rather than horny shields, the body is covered with a layer of rubbery skin that has seven longitudinal ridges (keels) on the back and five underneath.

The dorsal or upper side of adults is predominantly black. Scattered white blotches arranged along the keels become more numerous along the sides and even more so underneath, with the ventral side primarily whitish. Pinkish blotches on the neck, shoulders and groin intensify when the turtle is out of the water.

The head and neck are black or dark brown, mottled with white or pink blotches. Each side of the upper jaw has a tooth-like cusp, giving the turtle a W-shaped beak. Paddle-like, clawless limbs are black with white margins, and might have white spots. Males can be distinguished from females by their much longer tails and narrower and less deep bodies.

Hatchlings are dark brown or black, with white or yellow carapace keels and flipper margins. Their skin is covered with small scales that become thinner with each molt, which starts about three weeks after hatching. Claws may be visible in hatchlings, but they vanish in subadults and adults.

Adults generally weigh between 290 and 590 kg (638-1298 lbs.), but can weigh up to 2,000 pounds; its average carapace length is 155 cm, or 62 inches (US FWS 1980a, US FWS 1998).

Kemp's ridley: This is the smallest of all sea turtles. From above, the short, chunky shell appears broadly heart-shaped to nearly round, with high vertebral projections and serrated edges. The turtle has a moderate-sized sub-triangular head and a somewhat hooked beak with large crushing surfaces. The plastron has several small pores on each side, which lead to Rathke's glands (secretory structures that release an odiferous substance that may play a pheromonal role when females mass together off their nesting beaches). Each foreflipper has one visible claw, with one or two claws on the rear clippers.



Photo courtesy US FWS

Dorsally, the color of the adult skin and shell is plain olive-gray above, and white or yellowish underneath.

When wet, hatchlings are jet black on both sides, with two visible flipper claws. As the turtle matures, the hingeless plastron changes to white, then yellow while the carapace changes to gray, then olive green.

Adults weigh between 35 and 42 kg (77-92 lbs.) and have a carapace length of 56 to 70 cm (22.4-28 in.) (US FWS 1980d).

Green sea turtle: This is the largest cheloniid sea turtle, with a low, broadly oval carapace and small head with one pair of pre-frontal scales that are unique to green turtles. Single-clawed flippers are paddle-shaped. Color varies widely. Adults have a smooth carapace that ranges from pale to very dark and from plain colors to brilliant mixtures of yellows, browns and yellows that radiate in stripes or are splattered with dark splotches.



Photo by David Vogel, courtesy US FWS

The plastron is whitish to light yellow. The upper surface of the head is light brown with yellow markings; sides of the head are brown with broad yellow margins. The neck is dusky above and yellow near the shell below. The tail and flippers are colored like the carapace and plastron. Each flipper has one visible claw.

Hatchlings are dark brown or nearly black on the upper side, with white plastrons and white margins on the shell and limbs. In juveniles, the carapace has radiant patterning similar to hawksbills, and the scales of the head and upper side of the flippers are fringed by a narrow, clear yellowish margin.

Adults weigh between 100 and 200 kg (220 to 440 lbs.) and range between 91 and 122 cm (36.4 and 48.8 in.) (US FWS 1980b).



Photo by Anja G. Burns, courtesy US FWS

The most colorful sea turtle, the medium-sized **hawksbill turtle** has an elongated, oval shell distinguished by overlapping scutes on the carapace. The overlapping is most pronounced at maturity, but often disappears in older individuals. Barnacles are often found on the carapace and plastron. Its medium-sized head is narrow, with a pointed beak. There are two claws on each fore and rear flipper. As is true of other sea turtles, males have stronger, more curved claws and longer tails than the females.

Color varies widely, from very bright colors to heavy dark brown (in the eastern Pacific). The scales of the head have creamy or yellow margins, while the carapace has an amber "ground" color overlaid with spots or stripes of brown, red black and yellow usually arranged in a radiant, fan-shaped pattern. Underneath, the plastron is amber colored. The dorsal, or upper, part of the head and flippers are darker, with less variation in color.

The carapace of hatchlings and juveniles is wider than the shell of adults, with three keels of spines along the carapace which disappear with age. Hatchlings are mostly brown, with paler blotches on the rear part of the carapace, with small pale spots on the top of each scute along the plastron's two keels (FAO 1990). Juveniles, though, are the most vibrantly colored, with bold amber/brown/greenish/gold variegation (Cheryl Ryder, pers. comm. 2001).

Adults are 76 to 89 cm long (30.4 to 35.6 in.) and weigh between 43 and 75 kg (94.6 and 165 lbs. (94.6 and 165 lbs.)

Habitat

Unlike land turtles from which they evolved more than 150 million years ago, sea turtles spend almost their entire lives in the sea. When active, they often come to the surface to breathe, but can remain underwater for several hours at a time while resting. Leatherbacks can dive to more than 3,000 feet below sea level (US FWS sea turtles). Preferred estuarine habitat of sea turtles--deeper or shallower water--directly relates to their preferred diet. Adult green turtles are herbivores, or plant eaters. All the other sea turtles are either carnivores (meat-eaters) or omnivores that eat both plant matter and meat.

Status and Conservation

Overharvesting of eggs for food, intentional killing of adults and immatures for their shells and skin and incidental drowning in commercial fishing gear are primarily responsible for the worldwide decline in sea turtle populations. Coastal residential and resort development has also degraded nesting habitat, and pollution of oceans threatens foraging habitats.

In one striking case, the number of Kemp's ridley females at the species' primary nesting site, a beach on the Gulf of Mexico near Ranch Nuevo, Mexico, plummeted from 40,000 in 1947 to just 200 by 1978 (US FWS 1980d). As a result of such declines, the federal government listed the Kemp's ridley as endangered in 1970, the same year it also listed hawksbill and leatherback turtles as endangered. In 1978, it listed loggerheads as threatened and green turtles as threatened and, in the case of the green turtle's Florida and Mexico breeding populations, as endangered. In response, in 1979 the state of New Jersey classified the Atlantic hawksbill, loggerhead, ridley and leatherback turtles as endangered and listed the Atlantic green turtle as threatened.

Wildlife Notes

NJ Division of Fish and Wildlife

Endangered and Nongame Species Program

Bald Eagle

(Haliaeetus leucocephalus)

THE BALD EAGLE IN NEW JERSEY

Historic population counts of bald eagles are not available for our state, but we do know that the population was exactly one nesting pair by 1970. The massive bald eagle decline was the result of persecution, followed by the impact of widespread use of the persistent pesticide DDT from the mid-1940s until it was banned in 1972. New Jersey's bald eagle population remained at one into the early 1980's. The ban of DDT combined with restoration efforts by biologists within the NJ Division of Fish and Wildlife's Endangered and Nongame Species Program (ENSP) acted to increase the number of New Jersey bald eagles to 146 active pairs in 2014.

The bald eagle is currently listed as endangered (breeding season) and threatened (non-breeding season) in New Jersey. The US Fish & Wildlife Service removed the bald eagle from the federal list of endangered species in 2007.

ENSP recovery efforts – first implemented in the 1980's – continue to bear fruit as New Jersey's eagle population has rebounded from the edge of extinction. In 1982, after Bear Swamp eagles (New Jersey's only active bald eagle nest since 1970) had failed to produce young for years, ENSP biologists removed an egg for artificial incubation, and fostered the young back to the nest. The necessity of this fostering technique was eggshell thinning as a result of DDT contamination that meant the eggs couldn't withstand normal incubation. Fostering continued successfully until 1989, when the previous female of the pair died and a new female was able to hatch her own eggs.

Increasing the production from a single nest, however, was not enough to boost the state's population in a reasonable amount of time. Mortality rates are high in young eagles (as high as 80%), and they do not reproduce until four or five years of age. ENSP instituted a hacking project in 1983 that resulted in the release of 60 young eagles in NJ over an eight year period. These eagles contributed to the population increase since 1990.

IDENTIFICATION

Adult bald eagles are distinguished by their full white heads and tails, but subadult and juvenile birds are brown overall with some white mottling. Both sexes have similar plumage, although the female is slightly larger than the male. With a wing span of six to seven feet, eagles are larger than most birds, but can be confused with vultures from a distance. While eagles eat mostly fish during the warmer months, they feed on waterfowl, muskrat, and carrion during winter and early spring.

BREEDING BIOLOGY

New Jersey bald eagles reside year-round, usually remaining in their nest area. Eagles usually build their large stick nests close to water in trees taller than the forest canopy. They begin courtship and nest building in early January, adding to their existing nest. Pairs lay one to three eggs in mid-January to early March, and incubate for about 35 days. Upon hatching, the chicks are helpless and require close parental care. After about five weeks, the young birds begin to stand up and feed themselves when the adults deliver food. Eaglets fledge the nest at 11-12 weeks in late June to early July. Adults continue to feed young near the nest for a month while the eaglets learn to fly and hunt. In September many young eagles leave the area and may spend the winter in Chesapeake Bay area, where open water and abundant food provide favorable conditions. Recent telemetry studies show NJ eaglets may make long distance flights in nearly any direction before returning to our area.

MANAGEMENT

ENSP biologists continually work to m anage and reduce disturbance in eagle habitats, especially around nest sites. Eagles are sens itive to hum an disturbance and will abandon th eir nest sites if people encroach on th e area during the nesting season. Education and es tablished viewing areas are important in minimizing disturbance, as are the efforts of eagle pro ject volunteers. Biologists also work to protect habitat in a variety of ways, including working with landowners, land acquisition experts, and through the state's land use regulations.

Bald eagles are proven indi cators of environmental health. As residents and consumers of fish, their health reflects the qu ality of resou rces shared by humans. ENSP continues to investigate the possible impacts of environm ental contaminants on eag les and other raptors. ENSP m onitors these species during the nesting season to evaluate nest success and assess any problems that occur.

How You Can Help

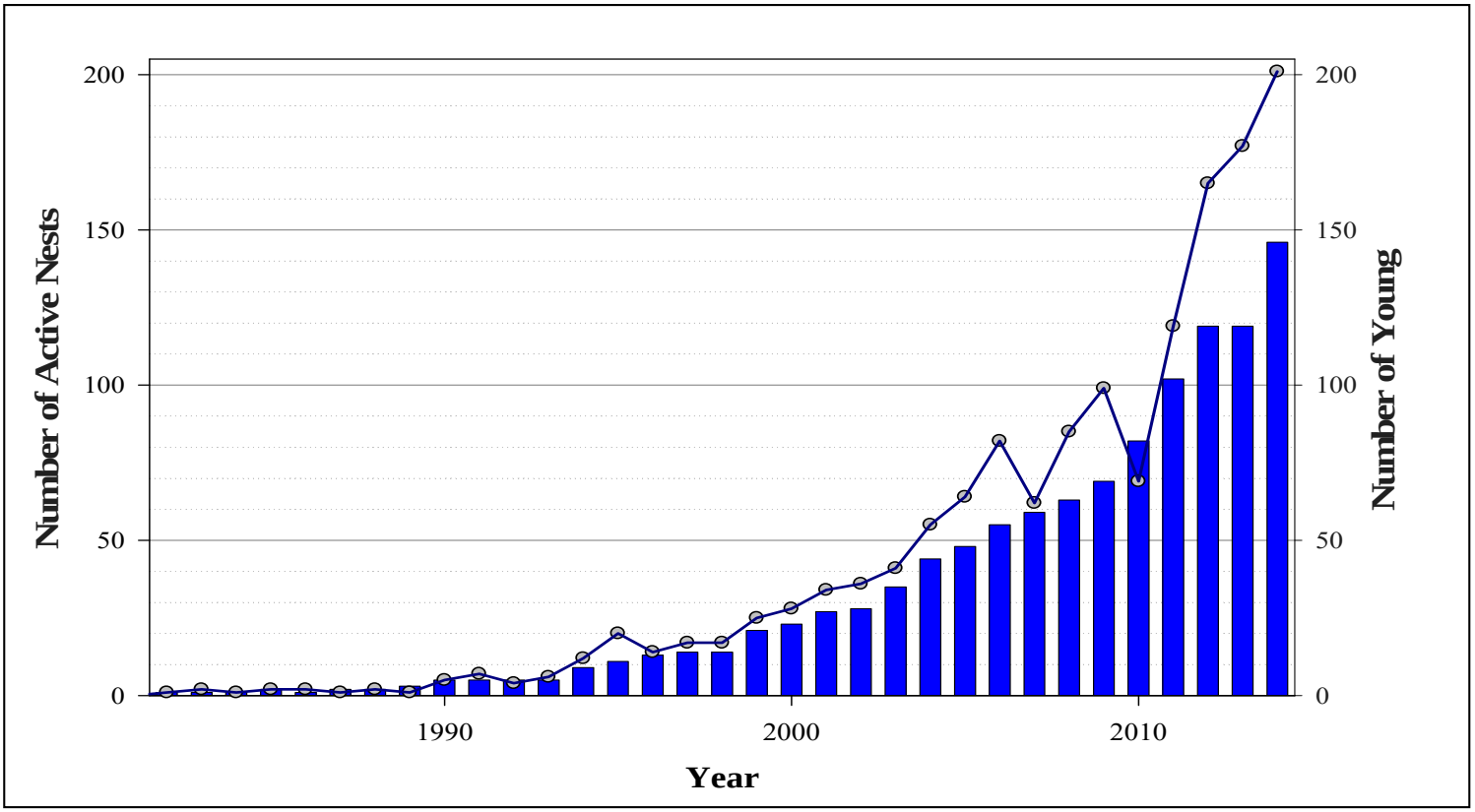
The ENSP receives no funding from state tax dollars. You can help support New Jersey's bald eagles by:

- Checking-Off for Wildlife on the NJ State Income Tax Form
- Purchasing a *Conserve Wildlife* license plate
- Participating in the *Adopt an Eagle Nest Program*
- Making a donation to the Conserve Wildlife Foundation of NJ, a non-profit organization dedicated to supporting the eagle project
  www.conservewildlifenj.org

For more information, please contact the ENSP at:

Endangered & Nongame Species Program
NJ Division of Fish and Wildlife
MC 501-03
P.O. Box 420
Trenton, NJ 08625-0420
(609) 292-9400
www.njfishandwildlife.com

VISIT THE NJ EAGLE CAM AT:
www.conservewildlifenj.org/education/eaglecam



To learn where you can view eagles in the state, purchase the NJ Wildlife Viewing Guide, available from the CWF

Black Skimmer, *Rynchops niger*

Status: ***State:*** Endangered ***Federal:*** Not listed

Identification



© Clay Meyers

Watching the strikingly-colored black skimmer forage for food--flying low horizontally while its highly sensitive lower jaw sluices through the water--is one of the natural world's more remarkable sights. This rather unique skill is made possible by its long, laterally compressed bill, which has a lower mandible, or jaw, that extends beyond the upper mandible. Gull-like, with narrow, tapered wings, the black skimmer is graceful and buoyant in flight. Its call, meanwhile, is a distinct, repeated barking.

The breeding adult black skimmer has brown-black upperparts, contrasting with a white forehead and underparts. The upperwing shows a white trailing edge from the secondaries to the inner primaries. The tail is white, with dark central feathers. The bill is black with a reddish-orange base. The legs and feet are also reddish-orange. Male black skimmers are slightly larger than females. Nonbreeding adult plumage is similar, but duller, to that of breeding adults. In winter, the bill and upperparts are somewhat paler. In addition, white feathers on the nape form a light collar around the neck.

Juvenile skimmers appear similar to adults, but have duller brown upperparts with light feather edges and streaked crowns. The legs, feet, and base of the bill are dusky-red. Juveniles acquire adult-like plumage the following summer.

Habitat

The black skimmer nests on open sandy beaches, inlets, sandbars, offshore islands, and dredge disposal islands that are sparsely vegetated and contain shell fragments. The growth of dense vegetation may cause colony relocation. Skimmers also frequently nest on wrack mats (deposits of dead sea grasses and other vegetation) on marsh islands in the back bays; however, these colonies are typically much smaller than the beach colonies. Black skimmers forage in shallow-water tidal creeks, inlets, and ponds. Similar coastal and estuarine habitats are used throughout the year.

Status and Conservation

In the early 1800s, the black skimmer was a common breeder along the New Jersey coast. Egg collecting and hunting decimated skimmer populations in the state by

the early 1900s. Protection afforded by the Migratory Bird Treaty Act of 1918 enabled skimmer numbers to rebound.

By the late 1970s, the black skimmer had declined and concern arose over its status in the state. Consequently, the black skimmer was listed as an endangered species in New Jersey in 1979. The majority of the state's population remains in two to three large colonies that are threatened by habitat loss or human activity. The New Jersey Natural Heritage Program considers the black skimmer to be "demonstrably secure globally," yet "imperiled in New Jersey because of rarity" (Office of Natural Lands Management 1992).

Each year, the New Jersey Endangered and Nongame Species Program (ENSP) monitors the state's black skimmer population. Nesting colonies are enclosed and patrolled by personnel. Counts of adults and young are conducted to monitor population size and productivity. Despite annual fluctuations, the state's breeding population has remained relatively stable since the time of its original listing, although the number of active colonies has declined significantly. Human disturbance, beach raking, tidal flooding, and predation continue to threaten nesting skimmers and their habitat.

Cattle Egret, *Bubulcus ibis*

Status: ***State:*** Threatened ***Federal:*** Stable, no status

Identification



© Scott Whittle

Cattle Egrets are a medium-sized, stocky bird with white plumage, a stout yellow bill and grayish or black legs. Its breeding plumage consists of ruddy or orange colored feathers on its breast and in the plumes at the crown of its head and legs that turn an orangey-red. Males and females are about the same size, which is anywhere from 18-22 inches tall with a wingspan of about 3 feet. Juveniles appear the same as non-breeding adults. The call of the cattle egret is described as a quiet, throaty "*rick-rack*", though they don't often vocalize outside of the nesting colony.

Habitat

Although this heron appears similar in size, shape or color to many of the other herons and egrets that occur in New Jersey, it is quite different from them in regard to habitat and foraging needs. Unlike other herons and egrets that spend a fair amount of time in or near coastal, riverine, lake or estuarine systems this species is more comfortable in agriculture fields and pastures. In New Jersey they will nest in mixed species colonies on marsh islands of the Atlantic coast but much of their foraging and roosting time is spent further inland. They have developed a relationship with cattle, horses and even tractors, which is based on the ability of the larger animal/machine to stir up insects and other prey, which the cattle egret will then feed upon. It is a unique partnership and one that allowed the egrets to embark on a natural range expansion as large scale livestock practices spread through the world. Another enterprising tactic is to head towards smoke, which might indicate a fire that insects will likely be trying to escape. The egrets capitalize on this evacuation and make short work of the fleeing bugs. Finally, the ability of cattle egrets to adapt to local prey sources probably allowed its expansion to be so successful, as it has also been know to eat small birds or chicks when other prey is not available.

Status and Conservation

This species was once confined to the African and Asian continents (and a very small portion of Europe) but underwent a natural expansion and by the late 1800s was first observed in

South America. It was reported in the United States by the 1940s and was confirmed nesting by the 1950s. It also expanded to other portions of the world, including Australia, New Zealand, south Pacific islands and Israel. Over the last few decades, cattle egrets became very common around the US, including in New Jersey. However, land use has shifted in the state and there are fewer livestock farms than there once were, presumably leading to the rapid decline of cattle egrets observed nesting in the state in recent years. This steep downturn led to the state listing the species as threatened during the breeding season in 2012. It does not have a federal designation as threatened or endangered. Surrounding states (such as NY, MA, DE, MD and VA) have not yet listed this species. Due to its large range and apparent security in other regions where livestock is more common, the IUCN lists this species as “Least Concern” on its Red List. The North American Waterbird Plan groups it with species that are “not currently at risk”. However, some of these listings may not have been subject to recent review and regional declines in the species population suggest that its status may be downgraded in some places and in some plans.

Checkered White, *Pontia protodice*

Status: ***State:*** Threatened ***Federal:*** Not listed

Identification



© Wade and Sharon Wander

Similar in size and appearance to the much more common cabbage white (*Pieris rapae*), adult checkered whites reach sizes of 1.75 in.-2.4 in. (44-62 mm). Both sexes have a similar chalky white base color on the wings. The black spots on the upper surface of the wings are restricted to forewings in the males, but extend onto the hindwings in females. Although the number of spots differ between the sexes, both males and females of this species have a greater number of spots on the upper surface of the forewing than cabbage whites, which only have one (male) or two (female) spots present. A characteristic black patch exists along the bottom front margin of the forewing in both sexes of checkered whites; the under surface of the hindwing is a solid off-white color.

Habitat

Mainly restricted to open areas such as savannas, old fields, vacant lots, and power line right-of-ways, checkered whites can sometimes be found along forest edges (especially in the spring).

Status and Conservation

This species has decreased in abundance in many northeastern states despite the fact that it is still quite common in many southern and western states. The fact that New Jersey falls along the northeastern periphery of its range could partially explain the low occurrence of this species in the state.

WHALES

Sperm whale, *Physeter macrocephalus*

Fin whale, *Balaenoptera physalus*

Sei whale, *Balaenoptera physalusborealis*

Blue whale, *Balaenoptera musculus*

Humpback whale, *Megaptera novaeangliae*

North Atlantic northern right whale (or Black right whale) ,*Eubalaena glacialis*

Status: ***State:*** All endangered ***Federal:*** All endangered

Identification

Like the first time one sees a bald eagle, few people fail to vividly remember their first encounter with a whale surfacing from the deeps of the Atlantic. Given their great size and--in some cases--great mystery, it's hard not to be fascinated with these marine mammals that, for centuries, were the object of storied hunting.

Cetaceans, an order that includes whales, dolphins and porpoises, are divided into two suborders: Odontoceti and Mysticeti. Odonoceti have teeth and a single blowhole, or nostril, at the top of the head. Of this suborder, the sperm whale is the only one that regularly produces a visible spout or blow. The Mysticetes, or baleen whales--which include the other five species listed here--have no teeth and two blowholes. Instead of teeth, great plates of horny baleen, which extend from the upper jaw, are used to strain food from large mouthfuls of water. (Audubon 1983)

Sperm whales (Family Physeteridae): These whales have a distinctive jaw that both recedes and is located directly under the head's center.

Sperm whale: The sperm whale's huge head extends a quarter to a third of its entire length, which can be as much as 21 m (69 ft.). Its single blowhole, well left of the center and far forward on the head, emits a distinctive spout: small, bushy and angled sharply forward. The sperm whale's skin, a dark brownish gray, looks corrugated. Occasionally its belly and front of the head are grayish, and the mouth area white. The blunt, square snout extends far beyond the tip of the lower jaw, which has a row of large teeth on either side; smaller teeth are embedded in the upper jaw. Two-thirds of the way back from the snout the whale has a distinguishing dorsal hump; behind that are a number of bumps. The sperm whale has a keel on its belly, and the flukes, or sides of the flat tail, are broad, triangular and heavily notched at their back edges (Audubon 1983).

Rorquals (Family Balaenopteridae): Long, slender streamlined whales with grooves on the throat and/or chest. They include:

Fin whale: The fin whale, which in the North Atlantic can reach lengths of 24.1 m (79 ft.), has a blue-black body and a white underside. There is a distinctive grayish-white chevron on the back behind the head, and its V-shaped snout has a single dorsal ridge running down its middle. Its mouth is also quite distinctive, with the right lower jaw lip white, in contrast to the black left lower jaw; this asymmetry is unique among cetaceans. The mouth cavity is yellowish white and the upper right lip also at times white. Meanwhile, the left lips are dark. The baleen plates are also white on the right side; the rest are alternately striped yellowish-white and bluish-gray to grayish-white. The fin whale's head is flat. Far back is situated a steeply angled dorsal fin, and behind that runs a tell-tale ridge. Underneath, ventral grooves line the belly at least to the navel (Audubon 1983). The blow is tall and columnar in shape (Phil Clapham, pers. comm. 2001)

Sei whale: Reaching lengths of 18.9 meters (62 ft.), the sei whale's dark steel-gray body frequently looks galvanized. The body is frequently covered with small pit-like circular scars, originating in the bites of cookie-cutter sharks. Underneath, the belly is grayish white around the ventral grooves, which stretch only midway between the base of the flippers and the navel. The right lower lip is gray and baleen plates are primarily grayish black. The whale's snout is barely arched, while its slightly pointed rostrum--the forward extension of the upper jaw--sports a single median dorsal ridge. Two-thirds of the body length back of the head, a tall dorsal fin is very falcate, or curved like a sickle. Finally, the leading edges of the flukes are occasionally white (Audubon 1983). The blow, either bushy or columnar, is usually quite tall (Clapham, pers. comm. 2001).

Blue whale: The largest animal alive and probably the largest animal that has ever existed, the blue whale has reached lengths greater than 30.5 meters (100 ft.) and has reached weights of about 178,000 kg (196 tons), although it averages 23-27 m (70 to 90 ft.) and weights of 90,000 to 135,000 kg (100 to 150 tons). The blue whale's skin is light-bluish gray and mottled with gray or grayish-white; it appears distinctly blue when seen through the water. Underneath, the belly sometimes has a yellowish tinge as a result of diatoms that have attached themselves in cold water; hence the nickname "Sulphur Bottom Whale." The belly's ventral grooves also extend to or just beyond the navel. Almost U-shaped, the broad, flat rostrum has a single median dorsal ridge. The pectoral flippers are long and thin, while the dorsal fin is very small and far back (Audubon 1983). The blow is high and columnar. Like the fin whale (and unlike the sei) the blowholes appear before (not with) the dorsal fin as the whale surfaces (Clapham, pers. comm. 2001).

Humpback whales: These whales, which reach lengths of 16.2 m (53 ft.), have broad, rapidly tapering bodies that are primarily black. Their bellies are sometimes white, and in the North Atlantic the flippers are usually white both ventrally and dorsally (or top and bottom). Their baleen plates are black, with black or olive-black bristles. Both the top of their heads and lower jaws are dotted with randomly placed fleshy knobs. The lower jaw also has a rounded projection on its tip. The long flippers are the most distinctive feature of this whale, since at one-third the body length they exceed those of any other species; they have scalloped leading edges. The dorsal fin is highly variable in shape and size, from almost absent to high and falcate; it is located on a small hump a little more than two-thirds of the way back. Finally, their concave, deeply notched flukes have scalloped rear edges. The pattern on the underside of the tail varies from all white to all black; each pattern is individually distinctive, allowing researchers to identify and track individual whales. The humpback's blow is often wide and balloon-shaped, although it can be tall and columnar in larger animals (Audubon 1983, Clapham, pers. comm. 2001).



Photo by Robin Hunter, courtesy US FWS

Right whales (Family Balaenidae): Large-headed, robust whales. Besides bowhead whales, which frequent the edge of the Arctic ice, in North America this family includes:

Right whale: As long as 16.2 m (53 ft.), the right whale is large and rotund, with mottled brown to nearly black coloring. Both chin and belly show some white, while the dark brownish to dark gray or black baleen plates are long (up to 8 feet) and black--although they might look pale yellowish gray far offshore. The highly arched jaw curves upward. The head and sometimes the lips are characterized by a series of bumps called callosities; these are naturally gray but appear yellow or white because of massive infestation by whale-lice (cyamids). The pattern of callosities can be used to identify individuals; the bonnet, the biggest of these bumps, is located just in front of two large blowholes. The right whale has no dorsal ridge or fin. Broad flukes, which are dark underneath, have pointed tips that are very concave toward a deep notch. Its blow is V-shaped when seen from ahead or behind (Audubon 1983).

Habitat

The waters of the Atlantic Ocean and, depending on the species, estuaries and shallow coastal areas.

Status and Conservation

Currently, only Japan and Norway are still engaged in commercial whaling. The only species affected in the North Atlantic is the Barents Sea minke whale, which is hunted primarily for its meat (Clapham, pers. comm. 2001)

Whaling in North America was reported as early as A.D. 890 (Grzimek 1979). The principal attraction of whaling was the whale's subcutaneous blubber, which yielded oil ideal for lamp oil and, much later, in the production of margarine. Baleen and, in the case of the sperm whale, whale teeth, were also of value. Whalebones were also used in the manufacture of glue, gelatin and manure. Besides being eaten by humans, the meat has also been used in dog food and, when dried and crushed, cattle feed.

By the time Plymouth colonists began in the 1600s, the stock of right whales may have already been substantially reduced during the previous century by Basques who captured the leviathans in waters between Labrador and Newfoundland. The right whale is so-named because it was considered the "right" whale for whaling ships: it swam slowly, was easy to approach and kill and it didn't sink after death. It was sought for both its oil and baleen, which was used for corset stays and other objects.

Also widely hunted, the sperm whale was prized for the spermaceti and the fine grade of oil contained in its forehead. Sailors and artisans also favored its ivory-like teeth for scrimshaw carvings. A sperm whale that rammed and sunk the New England whaling ship, the Essex, in 1820 in the Pacific was the inspiration for Herman Melville's classic novel, Moby Dick.

In reaction to the decline of various whale species, the first international agreement to halt whale hunting was reached in the mid-1930s. All six species discussed here were listed by the federal government as endangered in 1970 and, as a result of that federal status, were automatically added to the New Jersey endangered species list following enactment of the New Jersey Endangered and Nongame Species Conservation Act in 1973.

Although not terribly reliable, the best available abundance estimates for sperm whales indicate there are about 4,700 individuals in U.S. Atlantic waters. For western North Atlantic fin whales, the best available population estimate, admittedly conservative, is 2,200.

The total number of sei whales in U.S. waters is unknown. A very dated tag-recapture study from 1977 estimated the stock ranged between nearly 1,400 and 2,250 sei whales. Little is known about blue whale populations outside of the Gulf of St. Lawrence, where a 1987 report catalogued 308 individuals. Although this is considered a minimum population estimate for the entire western North Atlantic stock, no evidence exists to refute one estimate that the entire western North Atlantic population is in the low hundreds (Waring, et al. 2000). Humpback whales in the North Atlantic are estimated at more than 11,000 (Clapham, pers. comm. 2001).

The northern right whale is among the most critically endangered large whales in the world. Once though to number at least 1,000 whales during the early to mid-1600s, its greatest declines were suffered during the 1700s. By the time international protection for right whales was initiated in 1935, they may have numbered fewer than 100. In 1998, the total population was estimated to be just 291 individuals. Between 1986 and 1992, there were suggestions that the stock was showing signs of slow recovery. However, a 1999

study concluding that between the early 1980s and late 1990s the northern right whale had suffered a decline in survival rates, a decline that was particularly marked in adult females (Waring, et al. 2000).

Black-crowned Night-heron, *Nycticorax nycticorax*

Status: ***State:*** Threatened ***Federal:*** Not listed

Identification



© Gary M. Stolz, courtesy US FWS

The black-crowned night-heron is a stocky, medium sized, black, gray and white wading bird. In comparison to other egrets and herons, the legs and neck of the night-heron are relatively short. Adult black-crowned night-herons are distinct, with a black back and crown, gray hind neck and wings, and a white cheek and underparts. In breeding plumage, long white streamers extend from the crown down the back beyond the neck. The bill, which is black in adults, is thick, stout, and spear-shaped. The legs are greenish-yellow, but turn pink in breeding adults. Eye color changes from yellow in juveniles to red in adults. In flight, the toes extend beyond the tail. The call of the black-crowned night-heron is a loud, guttural woc!

Although their body shape is similar, the plumage of juvenile black-crowned night-herons is quite different from that of adults. Juveniles are buff below with brown streaking and brown above with buff-white markings. The bill is grayish-yellow at the base with a dark tip. Adult plumage is acquired by two years of age.

Black-crowned night-herons are similar in appearance to yellow-crowned night-herons (Nyctanassa violacea), especially in juvenile plumage. The yellow-crowned has a longer neck and more slender body than the stocky black-crowned night-heron. The adult yellow-crowned lacks the black back of the black-crowned and has a black head with a white cap and cheek patch. The juvenile yellow-crowned is darker brown above, with smaller buffy markings on the back and more brown below. The bill of the yellow-crowned is shorter, yet heavier, than that of the black-crowned, and does not have a light base on juveniles. In flight, the legs and feet extend beyond the tail in the yellow-crowned, while only the toes extend beyond the tail in the black-crowned night-heron.

Juvenile black-crowned night-herons may also be confused with American bitterns (Botaurus lentiginosus). In flight, the night heron shows a solid brown upperwing, while that of the bittern is two-toned. The bill of the bittern is also longer, thinner, and lighter colored. The back of the bittern is chestnut brown and lacks buffy spotting.

Habitat

Forests, scrub/shrub, marshes, and ponds serve as nesting, roosting, and foraging habitats for black-crowned night-herons. Heronries may be located in wooded swamps, coastal dune forests, vegetated dredge spoil islands, scrub thickets, or mixed phragmites (Phragmites communis) marshes that are in close proximity to water. Black-crowned night-herons avoid nesting at exposed sites that offer little cover. Mixed hardwood forests containing red maple (Acer rubrum), sweetgum (Liquidambar styraciflua), black gum (Nyssa sylvatica), and blueberry (Vaccinium spp.) may be used by nesting or roosting birds. Dense thickets containing red cedar (Juniperus virginiana), holly (Ilex opaca), greenbrier (Smilax spp.), and poison ivy (Toxicodendron radicans) may also serve as nesting and roosting habitats. In addition, colonies have been documented in stands of cherry (Prunus spp.) as well as in marshes containing phragmites and marsh elder (Iva frutescens). Islands created through the deposition of dredged material may provide nesting and roosting habitat when revegetated.

Black-crowned night-herons nest in forested or scrubby habitats containing vegetation of various heights. Maximum heights of vegetation at local colonies range from 1.5 to 12 m (4.9 to 39.4 ft) (Burger 1978). Within these habitats, nests are located, on average, 0.19 to 3.95 m (0.6 to 13 ft) above the ground (Burger 1978). When nesting in mixed-species colonies with low vegetation height, black-crowned night-herons tend to nest closer to the ground than other species. Similarly, when in mixed-species colonies, black-crowned night-herons tend to nest nearby other black-crowned night-herons due to their similar habitat preferences.

Black-crowned night-herons forage in marshes and along the edges of ponds and creeks. Within coastal salt marshes, shallow tide pools, tidal channels, mudflats, and vegetated marsh provide foraging habitat.

Status and Conservation

The black-crowned night-heron was historically a common breeding species along the New Jersey coast. During the late 1880s, the species was frequently shot at nesting and roosting sites for its plumes and as food. Following the 1910 ban of plume sales in New York markets, populations began to quickly recover. By the 1930s, the species was once again common along the Atlantic Coast, with colonies in excess of 300 pairs. A peak migration count included 1,050 individuals at Cape May on October 23, 1935 (Stone 1965). In recent years, a peak migration count of 400 individuals was tallied at Cape May Point on October 2, 1994 (Sibley 1997).

The destruction of coastal maritime dune forests to accommodate the growing number of summer cottages along the Atlantic shore greatly reduced habitat for black-crowned night-herons. Consequently, their populations declined during the 1940s and 1950s. Habitat loss also contributed to the decline of inland breeding populations during this period. Contaminants, including PCBs and DDT, caused further reductions of black-crowned night-herons in the northeast during the 1950s and 1960s. PCBs affected growth, metabolism, reproduction, and behavior. The pesticide DDT caused reduced clutch size and lower productivity due to the breakage of thinned-shelled eggs. Eggshells collected in 1952 exhibited significant thinning in comparison to those collected prior to

1947 (Ohlendorf et al. 1978). With the ban of DDT in the United States in 1972, night-heron populations began to gradually recover during the 1970s. Although Breeding Bird Surveys showed an increase in black-crowned night-heron numbers in the Northeast from 1966 to 1979, the population declined from 1980 to 1999 (Sauer et al. 2000).

The black-crowned night-heron population in New Jersey has declined from about 1,500 individuals in the late 1970s to only 200 in the late 1990s, nearly a 90% loss. This reduction, attributed to habitat destruction, disturbance to nesting colonies, and contaminants, led to the inclusion of the black-crowned night-heron on the New Jersey list of threatened species in 1999. The New Jersey Natural Heritage Program considers the breeding population of the black-crowned night-heron to be "demonstrably secure globally," yet "rare in New Jersey" (Office of Natural Lands Management 2000).

Osprey, *Pandion haliaetus*

Status: ***State:*** Threatened ***Federal:*** Not listed

Identification



© T.J. Ulrich/ VIREO

The osprey is a large raptor with a wingspan of 4.5 ft. to 6 ft. When gliding, the osprey's long, narrow wings are pulled towards the body and its silhouette is analogous to an "M" shape, closely resembling a gull in flight. In a shallow glide or full soar, the wings are bowed downwards. Ospreys fly with stiff and shallow wing beats, pumping the head and body up and down while flapping.

The adult osprey is dark brown above and light below. The underside is white with contrasting dark carpal ("wrist") patches and barred flight feathers. The head is white with a broad, black eye stripe that extends to the back of the neck. The tail and flight feathers are dark brown with faint white bands. Adult females and juveniles of both sexes exhibit a "necklace" of dark feathers contrasting with the white feathers of the upper breast. The intensity of this necklace varies among individuals, with some adult males also displaying this trait. Females are only slightly larger than males and, excluding the necklace, the plumage of both sexes is identical. Juvenile ospreys closely resemble adults. However, juveniles exhibit buffy tips to the upperwing coverts, a more heavily streaked crown, mottled carpal patches, and a tawny wash to the underwing that fades by the following spring.

On all ages, the osprey has a pale blue-gray cere (fleshy area behind the base of the bill) and legs. Their toes are equipped with tiny spines, or spicules, that enable them to grasp slippery fish. The bill is black and strongly hooked with a sharp tip for piercing the skin of fish. The osprey's eye color changes from blood red in nestlings to orange-yellow in juveniles to yellow in adults. The osprey's call is a high-pitched, down-slurred whistle that is often repeated in a short series.

Habitat

As a piscivorous species, the osprey is strictly associated with bodies of water that support adequate fish populations. Consequently, ospreys inhabit coastal rivers, marshes, bays, and inlets as well as inland rivers, lakes, and reservoirs. Ospreys nest on live or dead trees, man-made nesting platforms, light poles, channel markers, abandoned duck blinds, or other artificial structures that are in close proximity to fishing areas and offer an unobstructed view of the surrounding landscape. Infrequently, ospreys nest on the ground within coastal marshes. Territories typically contain poles, snags, or structures near the nest on which the ospreys perch.

Status and Conservation

In the 1800s, the osprey was an abundant breeding species along the New Jersey coast. In 1884, there were 100 nests at Seven Mile Beach, currently Avalon/Stone Harbor, alone. However, by 1890, the number of ospreys nesting at Seven Mile Beach shrank to only 25 pairs, and similar declines were evident throughout the state. These early population declines are attributed to habitat loss, eradication of nest trees, egg collecting, and shooting. Further declines in the osprey population continued through the turn of the century and into the 1930s and 1940s. As human settlement along the coast increased during this time, trees that were used by ospreys as nesting sites were destroyed.

The pesticide DDT was first used to control mosquitoes in Cape May County marshes in 1946 and was applied at increasing rates until 1964. When introduced into the environment, DDT enters the food chain and bioaccumulates at each trophic level, contaminating top level predators such as the osprey with high doses of this biologically harmful pesticide. DDT contamination inhibits calcium metabolism in birds, reducing the thickness of the eggshell. When an adult bird attempts to incubate an egg with a thinned shell, the egg will break under the weight of the bird. Because DDT contamination may remain within an adult osprey's body for years, pairs can continue to experience reproductive failure over a long period of time.

Following the use of DDT, osprey populations in New Jersey plummeted due to several decades of poor productivity. Prior to the 1950s, the osprey population in New Jersey was estimated at 500 pairs (Leck 1984). In 1950, there were 253 nesting pairs along the Atlantic Coast of New Jersey south of Barnegat Light. By 1975, only 53 pairs remained in this area and a total of only 68 pairs remained statewide.

Due to its disastrous environmental impacts, the use of DDT was banned in New Jersey in 1968 and in the United States in 1972. However, because of its persistence in biological systems, contamination from DDT and its metabolite, DDE, continued to impair osprey productivity. Ospreys in areas that experienced the most severe population declines and the lowest productivity in the state were also found to contain the highest DDT levels in their eggs. Osprey eggs collected in New Jersey during the early 1970s yielded much higher DDT and DDE concentrations than those from other states. In addition, analysis of eggs from New Jersey ospreys also revealed contamination from PCBs.

Pesticide contamination and habitat loss had reduced New Jersey’s osprey population to a tiny fraction of its former level. Consequently, the osprey was one of the first species to be included on the New Jersey Endangered Species List when the New Jersey Endangered Species Conservation Act passed in 1974. With this legislation came the establishment of the New Jersey Endangered and Nongame Species Program (ENSP), a team of biologists dedicated to the conservation of New Jersey’s imperiled wildlife. In 1979, the ENSP began an osprey reintroduction program in which biologists transplanted eggs from healthy nests in the Chesapeake Bay area into active, but unsuccessful, New Jersey nests. In addition, biologists erected nesting platforms to support a growing population and began annual surveys to monitor osprey productivity.

Slowly, the osprey population began to recover, as nesting success improved and the number of nesting pairs increased each year. The state population grew from a low of 68 pairs in 1975 to 87 pairs in 1981. Productivity had improved from 0.42 young per active nest in 1968-1972 to 0.97 in 1979 and to 1.18 in 1982-1984. Due to its improved reproductive success, its acceptance of man-made nesting structures, and the decline of persistent pesticides, the status of the osprey was changed from endangered to threatened in New Jersey in 1985. The osprey, brought back from the brink, was the first to be removed from the endangered species list in New Jersey. The New Jersey Natural Heritage Program considers the osprey to be “demonstrably secure globally” yet “rare in New Jersey” (Office of Natural Lands Management 1992).

After 1985, New Jersey’s osprey population grew beyond 200 pairs and productivity was stable at around 1.3 to 1.5 young per active nest. The ban of DDT, the reintroduction of healthy eggs, and the ospreys' acceptance of artificial nest sites are largely responsible for this species’ recovery.

However, despite increases in productivity along the Atlantic Coast, osprey production along the Delaware Bay Coast, particularly in Salem County, remained low throughout the 1980s. Productivity in Salem County, which averaged 0.63 young per active nest from 1974 to 1984, was well below productivity in other areas of the state, which often exceeded one young per active nest. In addition, the number of active nests in Salem County declined from 1984 to 1987. In 1987, ENSP biologists initiated an investigation into the poor productivity of this population. Contaminant analysis revealed that Delaware Bay ospreys experienced more severe eggshell thinning and higher levels of contaminants such as DDE, DDD, PCBs, and dieldrin heptachlor epoxide than Atlantic Coast ospreys. In addition, fish samples collected from Delaware Bay in 1990 contained higher contaminant levels than those from the Atlantic Coast. Osprey eggs and blood collected from Salem County nests from 1991 to 1994 were compared to samples taken from declining populations around the Great Lakes. The analysis revealed that ospreys nesting along Delaware Bay had higher organochlorine and PCB levels than Great Lakes osprey populations. However, by the late 1990s, organochlorine pesticide levels had declined in osprey eggs and fish collected along the Delaware Bay, allowing for improved nesting productivity in this area. Productivity among Delaware Bay nests averaged a very healthy 1.78 young per nest in 2001.

Ospreys nesting along the Atlantic Coast of New Jersey experienced a dramatic reduction in productivity in 1997 and 1998, possibly due to a scarcity of prey. But productivity, which averaged only 0.6 young per nest along the Atlantic Coast during these years, returned to a normal average of 1.3 young per nest in 1999 and 2000, and increased to nearly 1.6 in 2001. The biennial aerial osprey survey in 2001 tallied 340 pairs in the state, the majority of which were located along the Atlantic Coast.

Shortnose Sturgeon, *Acipenser brevirostrum*

Status: ***State:*** Endangered ***Federal:*** Endangered

Identification



Joshua D. Ingram, courtesy John C. O'Herron, II

The shortnose sturgeon has a short and bluntly rounded snout, wide mouth, barbels, numerous dorsal, lateral and ventral scutes (bony or horny plates), and a heterocercal tail (the upper lobe of the tail fin is larger and contains the upturned end of the spinal column). Typically, the body is yellowish brown to nearly black on the head, back and sides level to lateral plates, and whitish to yellowish below. Length at initial maturity for this species occurs between 45-55 cm fork length, from the snout to the middle of the tail (18-22 in.) for males and females (Dadswell *et al*. 1984). Maximum known fork lengths are nearly 49 in. for a female and nearly 39 in. for a male. In New Jersey, 28 tagged males ranged between 21 in. to nearly 35 in. fork length.

Habitat

River mouths, tidal rivers, estuaries, and bays serve as prime habitat for the shortnose sturgeon. In addition, individuals occasionally enter the open ocean. A significant portion of New Jersey's shortnose sturgeon occurs in the upper tidal Delaware River (Dadswell *et al* 1984).

Status and Conservation

The shortnose sturgeon has been federally listed as endangered since the inception of the Endangered Species Act in 1973, when it was also considered endangered in New Jersey. The Office of Natural Land's Management ranks the species as "rare in N.J." and "either very rare and local throughout its range or found locally in a restricted range or because of other factors making it vulnerable to extinction throughout its range."

This species is afforded protection under both federal and state Endangered Species acts, Clean Water acts, fishing regulations, and environmental review of proposed development projects.

ATTACHMENT C



THE STATE OF THE ESTUARY 2012

New York - New Jersey
Harbor & Estuary Program
www.harborestuary.org

ENVIRONMENTAL HEALTH AND TRENDS OF THE NEW YORK-NEW JERSEY HARBOR ESTUARY



INTRODUCTION

ON THE COVER: Although largely urbanized, our estuary still includes many natural areas, home to a wide variety of wildlife.

CONTENTS

Introduction 2

Section 1: Living Resources
Introduction 4
Restoration Plans 5
Wetlands 7
Oyster Reefs & Eelgrass Beds 9
Birds 11
Fishes 13
Exotic Species 15
Harbor Seals 17

Section 2: Pollution
Introduction 18
Floatable Debris 19
Pathogens 21
Nutrients & Dissolved Oxygen 23
Toxic Chemicals 25

Section 3: Climate Change 28

Section 4: Public Access 30

Contact Information 31

ACRONYMS USED IN THIS REPORT

CRP: Comprehensive Restoration Plan

HEP: New York-New Jersey Harbor & Estuary Program

NJDEP: NJ Department of Environmental Protection

NOAA: National Oceanic and Atmospheric Administration

NYCDEP: NYC Department of Environmental Protection

NYSDEC: NY State Department of Environmental Conservation

OASIS: Open Accessible Space Information System

USACE: U.S. Army Corps of Engineers

USEPA: U.S. Environmental Protection Agency

It is no coincidence that the New York–New Jersey Harbor estuary is home to one of the most vibrant and economically important metropolitan areas in the country and the world. Estuaries—where rivers meet the sea—are rich, productive, and diverse ecosystems where many plants and animals live. Our estuary's natural resources, beauty, and connectivity with the sea and inland waters have made it an ideal location for humans.

As more and more people were drawn to our estuary, resources were exploited, ecosystems were modified or eliminated, and wastes were disposed of in our waterways at an increasing rate. Growing environmental degradation prompted the enactment of legislation and action to bring the estuary back from the brink of collapse.

Today, our estuary's overall health is much better than it was 30 years ago. But many problems remain. This report on the State of the Estuary explores such topics as pollution, wildlife, and natural areas: How is the estuary doing? Are conditions improving?

In many areas, further improvement will require a combination of large-scale efforts (such as upgrading wastewater collection and treatment infrastructure) and simpler actions that each of us can take (such as keeping streets litter-free). Throughout this report, you will learn about work being done by government agencies, community organizations, and other groups in our area, as well as examples of actions you can take to help. Additional information is available at www.harborestuary.org, including a summary of this report (in English and Spanish), a more detailed version with bibliographic citations, and the quality assurance project plan that guided the report's preparation.

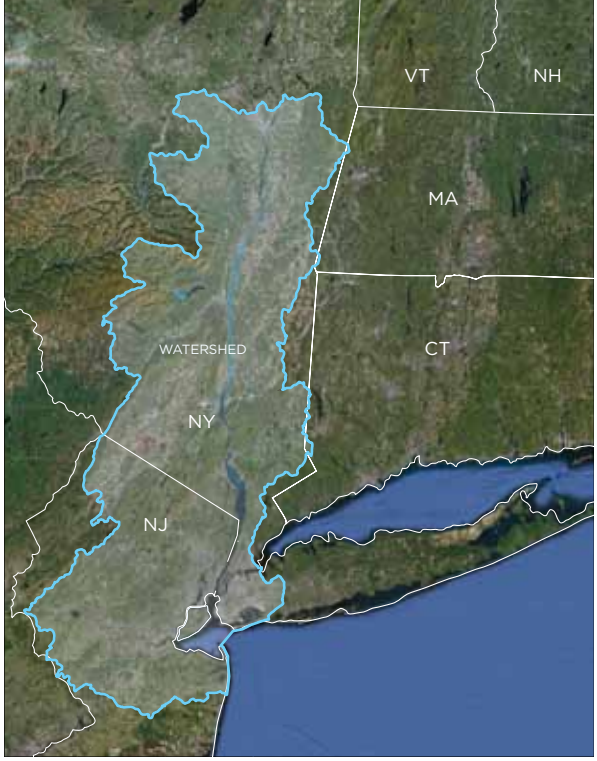
We trust you will find this a valuable resource to discover how deeply connected we are to the waters we share. And we hope you will be inspired to contribute by doing your part to preserve the wonderful treasure that is our estuary so that we may enjoy its beauty and resources for generations to come.

OUR ESTUARY holds the third largest port in the nation and supports hundreds of thousands of jobs for New York and New Jersey communities.



Cover photos by Amriphoto/Istockphoto.com (helicopter flight approaching new york city), Don Riepe (JoCo Marsh and JFK runway) The Port Authority of NY and NJ (ship photo)





THE NY-NJ HARBOR & Estuary Program's geographic scope includes all areas draining into the harbor (the watershed) below the Troy Dam (right). The program currently focuses on the areas surrounding the waters in the core area of concern (in blue, left).

About the New York-New Jersey Harbor & Estuary Program

The New York-New Jersey Harbor & Estuary Program (HEP) was established in 1988 under the Clean Water Act to protect and restore the estuary resources we depend on and share. Work groups and committees coordinated by HEP focus on improving the health of our water bodies and habitats, managing sediments, fostering community stewardship, educating the public, and improving safe access to our waterways.

HEP is a partnership program involving government, non-government, and non-profit participants:

- U.S. Environmental ProtectionAgency (USEPA)
- New England Interstate Water Pollution Control Commission (NEIWPCC)
- National Oceanic and Atmospheric Administration (NOAA)
- U.S. Army Corps of Engineers (USACE)
- The Port Authority of NY & NJ (PANYNJ)
- New Jersey Department of Environmental Protection (NJDEP)
- New Jersey Harbor Dischargers Group (NJHDG)
- New York State Department of Environmental Conservation (NYSDEC)
- New York City Department of Environmental Protection (NYCDEP)
- New Jersey Local Government
- U.S. Department of the Interior (USDOI)
- New York State Department of State (NYDOS)
- Interstate Environmental Commission (IEC)
- A Science and Technical Advisory Committee (STAC) representing the scientific community
- A Citizens Advisory Committee (CAC) representing concerned residents and community groups.

Partners carry out numerous projects and programs, working toward the common goal of a healthy and productive estuary ecosystem with full beneficial uses. Examples of these efforts are given throughout the report.

PUBLIC PARTICIPATION

As residents, we use the estuary for fishing, boating, swimming, bird watching, transportation, commerce, and many other activities that bolster our quality of life and the economy. Better environmental conditions and access to the water and waterfront have contributed to a growing appreciation of our estuary's resources. As a result, increasing numbers of residents act as good stewards of our common resources. Two HEP groups offer community organizations and concerned estuary residents opportunities to actively help revitalize our waters:

- The **Citizens Advisory Committee** (CAC) provides citizen input to the HEP with a focus on education and stewardship.
- **The Public Access Work Group** (PAWG) works to improve access to the water and waterfront.

Working closely with the CAC and PAWG, HEP awards small grants for projects that promote estuary stewardship and public access by engaging and educating local communities. NEIWPCC helps manage these grants. To learn more about HEP and to contact us, visit w*ww.harborestuary.org*

HIGH SCHOOL STUDENTS plant a rain garden in Elizabeth, NJ with Future City, Inc, a local organization.



Future City, Inc. (rain garden photo); Lucy Reading-Ikkanda (maps illustration); Googlemaps (satellite image)
Source: USEPA Region 2 GIS (base map)

SECTION 1

LIVING RESOURCES



OVER THE CENTURIES, our estuary's diverse habitats have been profoundly changed by development, as seen in the comparison of this rendering of what Manhattan probably looked like in the 1600s, with an actual current satellite image.

When Europeans started exploring the estuary, it had been little altered by the Lenape people who had lived in the area for over 400 generations. Extensive marshes and old-growth forests, streams, and other ecological communities teemed with life, including large mammals such as black bears and wolves, and countless fishes, birds, and reptiles.

Four centuries of human activities have profoundly changed the estuary as natural ecosystems have been degraded or lost:

- The harbor today is deeper and smaller. Navigational channels have been dredged to make way for ever-larger vessels entering the port (requiring in some cases drilling and blasting through bedrock), while dredged sediments (as well as trash and debris) have been used to expand land area at the expense of wetlands and shallow water habitats.
- Much of our coast has been hardened by artificial structures, such as bulkheads and piers, replacing gently sloping and vegetated natural shorelines and shallows.
- Many streams and creeks have been filled, channelized, redirected through storm sewers, or affected by polluted runoff.
- Eelgrass beds and oyster reefs have almost entirely disappeared.
- Freshwater and tidal wetlands have been severely diminished and damaged.

Although the natural resources remaining in our estuary today do not compare with the rich habitats it supported before European colonization, the remaining habitats still provide invaluable resources:

- Our waters are home to more than 100 fish species for some or all of their lifecycles, including 16 for which the estuary provides essential habitat.
- Shallow mudflats are home to algae, crabs, clams, and other invertebrates, providing food for many fishes, such as striped bass and bluefish.
- Wetlands provide habitat for resident birds, mussels, fiddler crabs, and many young fish, as well as overwintering areas for migratory waterfowl and breeding grounds for other birds.
- 68 islands, each over a quarter of an acre, support nesting populations of herons and other birds.
- Our tributaries provide a gradient of unique habitats, from saltwater to freshwater, and serve as conduits for migratory species.

Although many activities that damage habitats now are banned, threats remain. These include development pressure, pollution, climate change, and invasive species. In light of the extensive degradation that has already taken place and the immense value we derive from ecosystem services, it is essential to protect and restore remaining habitats. Restoring habitat is an investment that pays dividends—not only in healthier ecosystems that provide valuable services and functions, but in good local jobs for our communities. Recent progress has been encouraging. Since HEP's Health of the Harbor report in 2004, there has been renewed momentum to protect and restore habitats and the species they support. Significantly, in 2009, a large coalition of partners drafted a Comprehensive Restoration Plan (CRP) for our estuary.

In this chapter, we explore the status of a few key habitats and species, and highlight several ongoing restoration efforts. To learn more about existing habitats, planned improvements, and the wildlife of the estuary, visit *www.harborestuary.org*.

ECOSYSTEM SERVICES

Healthy ecosystems offer many benefits, or **ecosystem services,** in a self-sustaining way: nourishment, clean water, protection from floods and erosion, and recreational opportunities such as fishing, bird watching, and sightseeing. When ecosystems are degraded or lost, the ecosystem services diminish or disappear. Artificial alternatives (such as levees to protect against flooding during storms) may replace some of these functions, but usually with a narrower scope and at great monetary cost.

Markley Boyer/The Mannahatta Project/Wildlife Conservation Society (Manhattan in 1600s); ESRI Imagery Basemap / ESRI Inc. (satellite image)

RESTORATION PLANS

Hudson-Raritan Estuary Comprehensive Restoration Plan: A Blueprint to Bring the Estuary Back to Life

The Comprehensive Restoration Plan (CRP) is a master plan to guide ecosystem restoration and acquisition throughout our estuary. Development of this science-based plan was led by the U.S. Army Corps of Engineers and The Port Authority of NY and NJ, and involved many partners, including HEP's Restoration Work Group. Many of the sites included within the CRP were originally nominated through the Restoration Work Group and included in the 2001 Habitat Work Group Status Report.

The goal of the CRP is *to establish a mosaic of habitats that provides benefits for all estuary residents* (human and otherwise). It sets specific short- and long-term restoration and acquisition objectives for 11 ecosystem characteristics. All restoration and acquisition efforts are being mapped in the Open Accessible Space Information System (OASIS, *www.oasisnyc.net*), and efforts to enhance the tracking of progress towards achieving CRP goals are ongoing.

The CRP is intended to help all the communities, agencies, and institutions in our region work collaboratively toward the common goal of restoring the waters we share. Healthier habitats will benefit our communities in many ways by providing cleaner air and water, improved aesthetic value, and greater recreational opportunities. These improvements mean more livable and desirable communities, healthier families, and stronger local economies.

For more information on the CRP, visit *www.watersweshare.org*.

Habitat protection and acquisition

An important goal of the CRP is to preserve remaining ecologically functioning areas and improve the connectivity between them. This is critical, given the extent of habitat loss and modification associated with the widespread urbanization around our estuary. By acquiring valuable habitats and establishing them as public parks and nature preserves, essential functioning ecosystems can be protected, restored, and enhanced, while also providing the public with opportunities to appreciate and enjoy nature.

Many groups in the region have been working ceaselessly to identify opportunities, form partnerships, and raise funds to acquire some of the remaining natural areas in our region. Since 1998, HEP partners have protected at least 50 sites totaling over 5,200 acres of valuable habitats, such as the forested wetlands at Mount Loretto Woods, freshwater wetlands in the Dismal Swamp, wooded uplands in the Pin Oak Forest, and salt marshes in the Hackensack Meadowlands and the Arthur Kill waterway. It is the goal of HEP and its partners to continue acquiring these precious areas.

Although land in our metropolitan area tends to be very expensive to purchase, it is much more cost-effective to preserve existing, self-sustaining ecosystems than to attempt to restore lost or degraded ecological communities (which may sometimes be impossible). The importance of land acquisition and protection cannot be overemphasized: intact habitats provide a myriad of ecosystem services, which can be translated into concrete economic benefits, in addition to advantages that are more difficult to quantify, such as aesthetic and other cultural values.

HOW YOU CAN HELP

The health and prosperity of our communities depend directly and indirectly on the many resources and services we obtain from the estuary. It is critical that each of us do our part to preserve and improve the health of the estuary for the benefit of our families and future generations. Here are some ways you can help:

- Join a local group concerned with habitat protection to learn about issues affecting your community, participate in local protection and restoration efforts, or nominate a site for inclusion in the CRP (*www.watersweshare.org*).
- Learn about and enjoy our natural areas. For example, there are many opportunities to explore wetlands and their wildlife at parks in the metropolitan area. Many organizations also offer tours, activities, and lectures. Websites for the NYC Department of Parks & Recreation, Gateway National Recreation Area, and NJ Meadowlands Commission are good places to start your search.
- Join a community group engaged in oyster gardening and restoration, or contact one of the local organizations that offer oyster-related public programs for schools and community groups, such as NY/NJ Baykeeper, The River Project, The Rockaway Waterfront Alliance, and the Randall's Island Park Alliance.

VOLUNTEERS plant native species at Plumb Beach in Brooklyn, NY, as part of an Earth Day event in 2008.



Don Riepe (restoration photo)



Regional Sediment Management Plan

In a healthy ecosystem, there is a balance between the amount of sediment entering and exiting the system. Too little sediment can lead to erosion of coastal areas, wetlands, islands, mudflats, and other aquatic habitats. On the other hand, too much sediment can bury or stress aquatic organisms and communities, among other negative effects. Excessive sediment entering the estuary also increases the need for navigation channel dredging, adding to port maintenance costs.

Another important aspect of sediments is their cleanliness, or sediment quality. Many toxic chemicals stick to sediment particles, affecting the health of benthic organisms (those that live on the sediments) and the overall estuarine ecosystem. Polluted sediments sharply increase the cost of dredging, as they require expensive treatments. In contrast, clean sediments can be reused beneficially, for example, to restore disappearing wetlands.

HEP's Regional Sediment Management Work Group was established to develop a plan to address these complex issues in our estuary, bringing together many partners with a wide range of expertise. The group has completed a Regional Sediment Management Plan that centers on sediment quality, sediment quantity, and dredged material management. The Plan takes into account that sediment entering our estuary, and the pollutants that contaminate it, originate throughout the 16,300-square mile watershed. As a result, the Plan calls for cooperation among many groups throughout this entire region.

RESTORATION GOALS

A team of estuarine scientists identified 11 measurable objectives for restoration, termed Target Ecosystem Characteristics (TECs), each of which defines specific goals for an important ecosystem property or feature that is of ecological and/or societal value.

1. Tributary Connections
2. Shorelines and Shallows
3. Wetlands
4. Eelgrass Beds
5. Habitat for Waterbirds
6. Habitat for Fish, Crab and Lobsters
7. Oyster Reefs
8. Sediment Contamination
9. Enclosed Confined Waters
10. Public Access
11. Coastal and Maritime Forests

WETLANDS

PIERMONT MARSH is part of the Hudson River National Estuarine Research Reserve and encompasses 1,017 acres of tidal marsh in the village of Piermont, NY.

Wetlands—such as coastal marshes, swamps, and bogs—are vegetated areas that are periodically flooded or saturated by water. Once considered mosquito-filled wastelands, we now know that wetlands are among the most productive ecosystems in the estuary, performing critical, irreplaceable functions.

Healthy wetlands provide shelter and food for numerous species, from fishes and wading birds, to turtles, crabs, small invertebrates, and microbes. A great diversity of plants forms the basis of these rich ecosystems. Wetlands purify our waters by trapping sediments and pollutants in runoff, absorb stormwater and decrease flooding in inland areas, protect coastal land from damage by slowing down storm surge waves, and provide "cultural services" such as natural areas for enjoyment. The value of ecosystem services provided by the remaining coastal wetlands in our estuary is roughly estimated to be over $50 million per year.

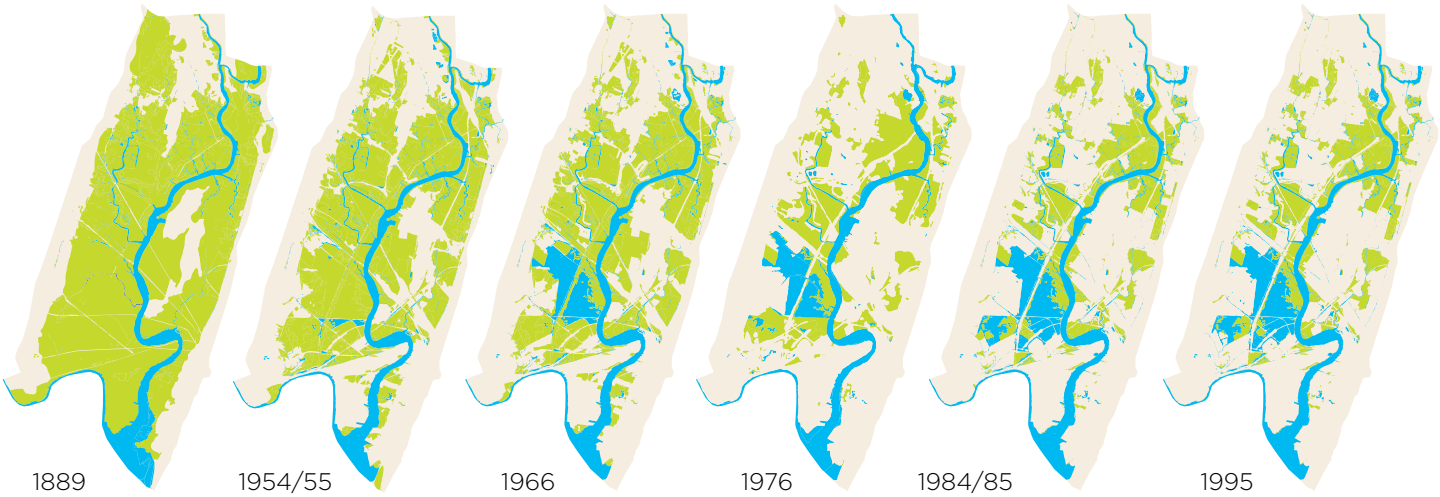
MORE THAN 70 PERCENT of the wetlands that existed at the turn of the 20th Century in the Hackensack Meadowlands has been lost. Still, this is the largest expanse of tidal wetlands in our Estuary.



Loss of Wetlands in our Estuary

The NY-NJ Harbor Estuary has lost the vast majority of wetlands that were present when the Dutch began colonizing the area. Roughly 80 square miles, or 85 percent, of the coastal wetlands that existed in the 1800s have been filled or drained. The remaining wetlands have been degraded to varying degrees by pollution, disconnection from tidal waters, fragmentation, takeover by invasive species, loss of natural vegetated buffers, and other causes.

Overall, the rate of wetland loss has slowed in the past four decades as protective measures and regulations have taken effect. For example, in the Hackensack Meadowlands—the largest expanse of tidal wetlands remaining in our estuary—losses have diminished markedly since the late 1980s, and about 2,200 acres are now protected and off-limits to development.



Laurie Fila, NYSDEC, Hudson River NERR (wetland photo); Lucy Reading-Ikkanda (map illustration)
Map data source: U.S. Fish and Wildlife Service

Restoring and Protecting Our Wetlands

As we begin to better understand and appreciate the immense value of our wetlands, the need to protect and restore them is becoming ever more apparent. The many efforts at preservation and restoration include several large-scale projects:

- An ongoing partnership led by the U.S. Army Corps of Engineers has restored several acres of marshes in Jamaica Bay, including 20 acres in Gerritsen Creek and 80 acres in Elders East and West. Future restoration is expected to add 42 acres of marsh at Yellow Bar Hassock and 35 acres at Black Wall and Rulers Bar.
- Just south of the Hackensack Meadowlands, Lincoln Park restoration was completed in Jersey City, NJ in 2011. Led by the National Oceanic and Atmospheric Administration (NOAA) and involving many partners, this project reestablished 24 acres of tidal marsh at a former landfill site. The project also restored mudflats and other ecosystems and created paths for public access.

Although small in comparison with the magnitude of historical losses, these are first steps toward larger-scale restoration. Scientists are also studying the effects of sea level rise to understand how it may affect future restoration efforts.

LINCOLN PARK, Jersey City, NJ, before and after restoration of a tidal wetland.



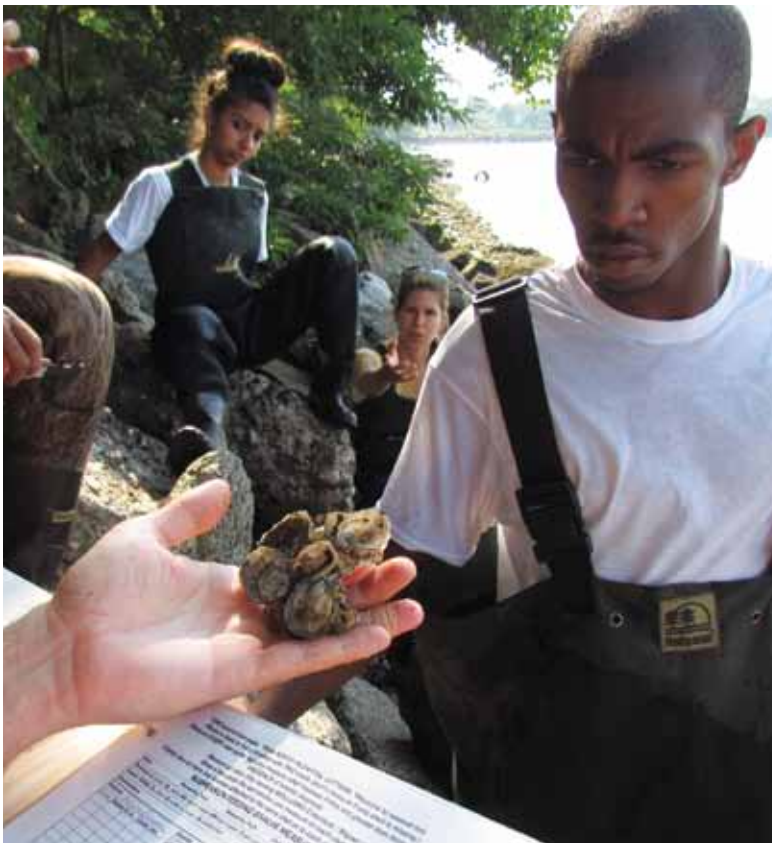
THE CHALLENGES AHEAD

The protection and restoration of wetlands are confronted by many challenges, including:

- **Development pressure:** While several laws protect wetlands, exceptions exist and the possibility of new development continues to threaten remaining habitats. Some protected wetlands can be filled or modified if the developer improves or creates wetlands elsewhere. Although this is intended to prevent overall loss of wetlands, net losses may still result if projects are not carefully planned and carried out. Human-made or restored wetlands are also less likely to fully perform all the functions of natural wetlands, especially in the short term.
- **Climate change:** To keep up with sea level rise, coastal wetlands must increase their elevation by trapping sediments or expanding inland as the seaward edges erode. This is often not possible in highly urbanized regions like ours, and many wetlands will likely be inundated and disappear altogether. Marsh losses due to sea level rise are estimated at 1 to 2 percent per year in New York City.
- **Unexplained ongoing losses:** The marsh islands in Jamaica Bay have been declining at an alarming and accelerating pace since well before the 1970s, even after they were protected from development. The causes of these losses are not well understood and likely involve a combination of factors, including sea level rise, insufficient sediments available to increase the height of the marshes, increased erosion caused by dredged channels in the bay, and excessive nutrients from sewage treatment plants adversely affecting marsh vegetation. While local scientists continue to look for definitive answers, efforts to halt and reverse these losses are already underway.

NJDEP Office of Natural Resource Restoration (Lincoln Park before and after photos)

OYSTER REEFS & EELGRASS BEDS







PARTICIPANTS in the Oyster Restoration Research Program monitor oyster growth and survival at the Soundview experimental oyster reef in the Bronx, NYC (left). Initial planting of eelgrass (top right) and established plants (bottom right).

Oyster reefs were once prevalent in our estuary, covering the bottoms of many shallow waters, providing important habitat for fish and other creatures, and filtering the water. The Eastern oyster (*Crassostrea virginica*) was an important food source for Native Americans and European settlers alike, a staple enjoyed by rich and poor, and a part of the local culture. In fact, the estuary was once famous worldwide for its fine Eastern oysters.

Local oysters were decimated by a combination of overharvesting, pollution, navigational dredging, and disease. In the early 1880s there were an estimated 220,000 acres of oyster reefs in the estuary, even though the oyster population had already declined substantially from nearly three centuries of intensive harvesting. No reefs remain in our waters today, and oysters are considered functionally extinct (more than 99 percent lost), with only occasional individuals found in a few scattered patches.

However, our estuary is cleaner now, and there is a growing awareness of the value of oyster reefs. Thanks to the tireless efforts of many estuary stewards, the reestablishment of self-sustaining oyster reefs is starting to look like a possibility.

EELGRASS BEDS

Eelgrass is a plant adapted to growing completely under water. Among other functions, eelgrass beds provide habitat and nursery grounds for fish and shellfish, supply oxygen and food for fish and waterfowl, and stabilize bottom sediments. Our estuary once supported vast areas of eelgrass beds, or meadows, including an estimated 420 acres in the waters surrounding Manhattan in the 1600s. Virtually all of these beds were destroyed by water pollution, dredging and filling, damage by boats and fishing gear, and a mold infection that wiped out approximately 90 percent of the eelgrass population in the early 1930s.

The absence of eelgrass beds in our waters represents a loss of key ecosystem services. To reverse this, one of the objectives of the CRP is to create several meadows throughout the estuary. As an important first step, HEP partners have been planting eelgrass at various test plots in Jamaica Bay. In 2011, a larger-scale planting (8,000 plants) was installed at the most promising site, Breezy Point in Queens. Initial results are encouraging, and ongoing monitoring will help to determine overall success.

Kate Boicourt (Soundview Park photo); Biohabitats (eelgrass seedlings photo); Chris Pickerell (established plant photos)

WHY ARE OYSTERS IMPORTANT?

Oysters and other native bivalve shellfish are both economically and ecologically valuable. In the late 1880s, hundreds of people in northern New Jersey alone made a living by planting, harvesting, and handling oysters. In New York, oysters were the most profitable fishery, employing more than 7,000 men by 1885. Ecologically, oysters are keystone species, which means they play a critical role in maintaining the structure of the ecosystem. This, in turn, supports many other organisms and helps determine the types and numbers of other species in the community. Oysters are the ecosystem engineers of bays and estuaries.

Resources To Learn More About Oysters

NY-NJ HEP:
www.harborestuary.org/oysterrestoration.htm

NY/NY Baykeeper:
www.nynjbaykeeper.org

River Project:
www.riverprojectnyc.org/research_07Oyster.php

Hudson River Foundation:
www.hudsonriver.org

Can We Bring Oysters Back to the Estuary?

HEP is one of roughly 30 partners currently supporting the local Oyster Restoration Research Project. Six small experimental reefs have been established in the estuary and are being monitored closely. The main goal of the project is to determine the conditions and locations that could support self-sustaining reefs. A second goal is to measure the ecosystem services provided by oyster reefs. Bringing together diverse partners who share a wide range of expertise makes the project much more effective. This project is an important first step in achieving the CRP goal of restoring oysters to the estuary.

NY-NJ Harbor waters do not meet public health standards for consumption of many types of shellfish, including oysters. Thus, the NJ Department of Environmental Protection has a ban on shellfish gardening any in New Jersey waters of the harbor to protect public health and the shellfish industry in New Jersey. This ban includes commercial growing as well as research and gardening. However, because this location is well guarded, a small research project has been allowed in Raritan Bay near the Naval Weapons Station Earle Pier. All other current restoration research is taking place in NY waters and incorporates measures to minimize the risk of illegal harvesting (poaching). Given the benefits to be gained and the widespread interest in oyster restoration in many bays and estuaries throughout the country, a variety of national, state and local agencies could play a key role identifying sensible solutions for protecting human health while restoring oyster habitats.

OYSTER REEF COMMUNITY:
1. Fan worms, 2. Sea anemone, 3. Barnacles,
4. Mud crab, 5. Whip mud worms, 6. Hooked mussel,
7. Sea squirts,8. Oyster spat, 9. Skilletfish



Alice Jane Lippson, from *Life in the Chesapeake Bay*,
by Alice Jane Lippson and Robert L. Lippson (Oyster reef community illustration)

BIRDS

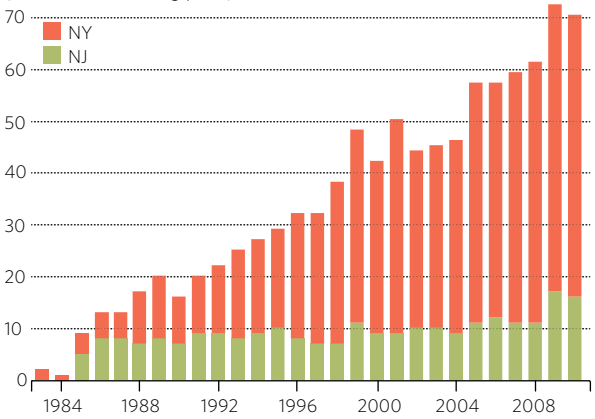




BANDING A PEREGRINE falcon chick in Jersey City (left). Peregrine Falcon in New York City (right).

We can find a great variety of birds in our estuary, from majestic herons foraging in our wetlands, to songbirds in urban parks, to shorebirds on our sandy beaches. In addition to their aesthetic value, birds perform crucial functions of enormous economic value, such as pollinating plants and controlling pests. Birds are very sensitive to environmental conditions, and tracking their populations can tell us a great deal about the overall health of the estuary. Here we focus on a few of the estuary's avian residents.

PEREGRINE FALCONS, NY & NJ STATEWIDE
(Successful breeding pairs)



Peregrine Falcons

Peregrine falcons were considered locally extinct in our region by the early 1960s, mainly because pesticides like DDT affected their ability to reproduce. After DDT was banned, and thanks to conservation efforts (such as the release into the wild of captive-bred falcons in the 1970s and 1980s), peregrines started nesting in our area again in the early 1980s. Since then, the number of peregrines in the estuary has increased steadily. Today, many make their home both in urban areas like New York City and Newark and in cliff sites like the Palisades.

Peregrine falcons have adapted well to a changing environment. Of the 72 successful breeding pairs in 2009 in all of NY and NJ, 19 made their home in our metropolitan area, which holds one of the world's largest peregrine falcon populations in an urban setting. Bridges, buildings, towers, and other tall structures are favorite locations for falcon nests. From these sites they can spot and hunt prey such as doves, pigeons, and sparrows as they would from the cliffs of their traditional habitats. But although they are recovering, peregrine falcons are still an endangered species in NY and NJ and need extra help from all of us. Peregrine falcons do not build nests, and eggs may roll and fall when laid on flat surfaces. Scientists, birding organizations, bridge owners, and community members have all contributed by building nest boxes, checking the status of birds and nests, taking care not to damage or disturb nests when maintaining bridges, and helping birds in trouble. You can provide valuable information by reporting the locations of new nests and the identification numbers of banded birds to the NYSDEC (fwinfo@gw.dec.state.ny.us) or NJDEP (http://njfishandwildlife.com/ensphome.htm). Just be sure not to approach the birds too closely! To see peregrines in action, visit one of the many "falcon cams" on the Internet.

LOCALLY EXTINCT in the 1960s, peregrines are coming back to our region (left).

NJDEP (tagging baby falcon photo); Barbara Allen Loucks (falcon photo)
Chart source: NYSDEC Endangered Species Unit and NJDEP, Div. of Fish & Wildlife

A SCIENTIST attaches a radio tag to a great egret



Harbor Herons

Herons, egrets, and ibises in our estuary—known informally as the **Harbor Herons**—are some of the most visible and strikingly beautiful wildlife in our region. These social birds nest in large communities, or *colonies*. They arrive from the south each spring and nest on several uninhabited islands (especially in the East River, Western Long Island Sound and Jamaica Bay) to lay their eggs and raise their chicks. Harbor Herons spend much of their time wading in the shallow waters of our remaining wetlands in search of food. As top-level consumers in the food web, they depend on healthy fish and crustacean populations to support them as they feed and rear their nestlings. Once the young birds are fully independent, they start dispersing northward, around early to mid August, before heading back south for the winter.

How Have Changes in Our Estuary Affected Harbor Herons?

These birds were once abundant in our region, but disappeared in the second half of the 19th Century because of hunting, egg collecting, pollution, and habitat loss due to urbanization. Their overall numbers increased significantly in the 1980s and 1990s, then declined slightly, and have remained more-or-less stable since.

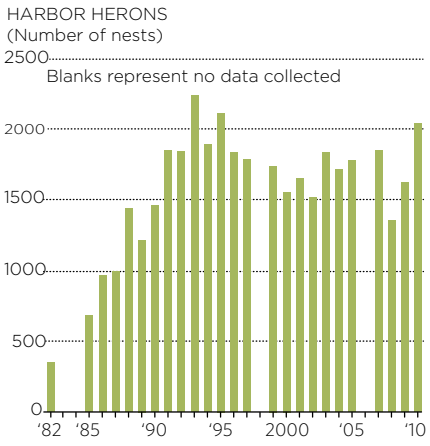
Cleaner waters and legal protection from hunting are likely responsible for the return of the Harbor Herons. Many small islands that had once been cleared and developed were later abandoned, allowing vegetation to return and creating favorable sites for nesting. The degradation of other habitats outside of our estuary may also have contributed to their return. Now that Harbor Herons are once again making our estuary their home, it is critical to protect and improve environmental conditions in the region, especially as their populations throughout the northeast U.S. are in decline.

Remaining threats to herons, many of which are related to human activity, include:

- Illegal visits to nesting islands that are closed to the public, with disturbance of nests.
- Development and wetland loss, reducing the availability of feeding sites.
- Invasion of nesting islands by raccoons, opossums, and rats, who eat Harbor Heron eggs.
- Damage to nesting habitat by invasive species such as Asian longhorned beetles.
- Climate change-associated impacts, which increase flooding, breaking up islands and wetlands where Harbor Herons roost (sleep), nest, and feed; disconnect the timing of food availability with breeding or migration cycles; and favor the proliferation of invasive species.

HOW YOU CAN HELP

- Avoid disturbing Harbor Heron nests by staying away from nesting areas that are closed to the public.
- To view these birds, join a guided tour or become a citizen scientist and help collect data with groups such as NYC Audubon or NJ Audubon.
- You may also be able to spot Harbor Herons while visiting one of the estuary's natural areas, such as Gateway National Recreation Area or the NJ Meadowlands, or while participating in a paddling event.



HARBOR HERON populations have increased significantly since the 1980s.

Helping Harbor Herons

Dedicated scientists and community members formed a Harbor Herons Subcommittee to better understand how these birds interact with the environment, what they need to thrive, and which factors threaten their livelihood. The subcommittee has prepared a plan to improve conditions for wading birds in our estuary and is now putting that plan into action. In addition, HEP and its partners have started working to restore habitats for Harbor Herons, following guidelines in the CRP.

NYC Audubon (heron photo)
Chart source: NYC Audubon annual Harbor Herons Surveys

FISHES

Our waters are home to a diverse array of fishes, from small forage fishes such as menhaden, to larger fishes that prey on them, such as bluefish. Some are yearlong residents, like silversides, and others are migratory, like summer flounder. Many highly valued species are *diadromous*—they inhabit salty, brackish, and fresh waters at different life stages. *Catadromous* species, like the American eel, spend most of their lives in fresh water and release their eggs (spawn) in the ocean; the young eels migrate very long distances to enter fresh waters to complete their growth and development. *Anadromous* fishes, like the Atlantic sturgeon, live mostly in the ocean and enter estuaries, to reproduce; the young remain in these areas until ready to venture to sea. Diadromous species spend their first and most vulnerable year in estuaries—thus known as the "nurseries of the ocean."



A STUDENT CATCHES a striped bass during Battery Park City Parks Conservancy's Marine Education class.

How Have Changes in Our Estuary Affected Fishes?

Many factors have contributed to the decline and virtual disappearance of local commercial fisheries and the restriction of sport fishing, affecting the region's employment, economy, and recreational opportunities:

- Overfishing from targeted fisheries within the estuary or offshore, or from bycatch (fish caught unintentionally along with targeted species).
- Dams and other structures in rivers create barriers to fish migration and decrease available habitat.
- Remaining habitats have been degraded.
- Human activities have polluted our waterways. In particular, nutrient pollution can deplete much needed oxygen in the water.
- Climate change and invasive species pose new challenges.

These problems are common in rivers and estuaries around the world, and the oceans have also been affected by human activities. Diadromous fishes are particularly affected because they depend on multiple habitats, each of which may be degraded. Their protection thus requires cooperation among states and countries.

HOW YOU CAN HELP

- Help collect much needed data by participating in citizen science fish surveys.
- Join a fishing event to connect with our waters and learn about our many fishes.
- If you fish, comply with all regulations on fishing seasons, size limits, quotas, and catch-and -release requirements, and protect your health by following all fish consumption advisories.
- Do not pollute the estuary. Throughout this report you will find many things you can do to protect and improve the health of our estuary.

Bringing Fish Back to the Estuary

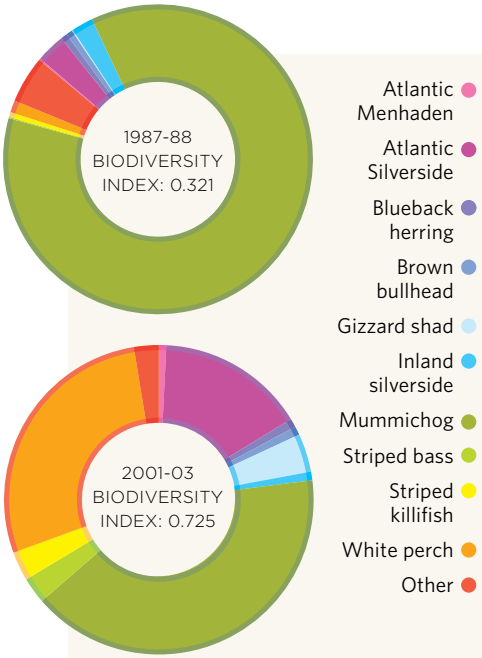
Ongoing efforts aimed at reversing damage to fish populations include:

- Management plans to aid in the recovery of several species. The Atlantic States Marine Fisheries Commission coordinates conservation and management efforts for sustainable use of the shared fishery resources along the East Coast.
- Regional fish surveys and research by scientists to better understand fish life cycles and factors affecting fish populations.
- Protection and restoration of habitats throughout the estuary, including removal of barriers to fish migration.

Local success stories—such as increased diversity in the Hackensack River and striped bass recovery—are encouraging, but much remains to be done. In addition to creating jobs and providing recreational opportunities, fishes are essential in controlling algae growth and transporting nutrients within the ecosystem. Researching and implementing effective actions to protect and restore the fishes in our estuary will have enormous benefits for our communities.

Projects underway or recently completed include dam removals on the Raritan River, improved fish passage on the Bronx River, and a study of a potential fish passage on the Lawrence Brook, a tributary to the Raritan River. The U.S. Army Corps of Engineers is also assessing other opportunities, with recommendations from HEP's Tributary Connections Subcommittee.

Battery Park City Parks Conservancy (fishing photo)



FISH SPECIES BIODIVERSITY in the Hackensack river has increased since 1987.

HACKENSACK MEADOWLANDS

The Hackensack River teemed with fishes before urbanization-related changes became prevalent. Marshes were filled or drained, eliminating essential habitat. Human activities polluted the waters, and the Oradell dam blocked access to key breeding areas. Industrial plants began using river water for cooling processes, returning hot water to the river and injuring or killing fishes that were pumped into the turbines. Not surprisingly, fish populations plummeted, and some species disappeared entirely.

Today, however, there are signs of recovery. In the late 1980s, most fishes found in the Hackensack River were mummichog, a pollution-tolerant species. By the early 2000s, the fish community was more diverse and included larger fishes valued as game species, such as white perch and striped bass. These positive changes are likely the result of improvements in wastewater treatment, proper closure of several landfills, wetlands restoration, and less use of water for industrial cooling processes. Still, conditions are far from ideal, and some species such as bluefish continue to be affected.

Hudson River

The Hudson River shares a similar storyline with the Hackensack and many of our region's waterways. Centuries of use and abuse of the river's natural resources took a toll on once-thriving fish populations. Ongoing efforts are contributing to the recovery of some species, but additional measures are needed. Below, we look at the status of a few Hudson River fishes.

- **Diadromous fishes** populations, such as sturgeon, American eel, and river herring, are of concern because they are generally on the decline throughout the Atlantic.
- **Striped bass,** or **"stripers,"** have historically been fished commercially and recreationally from North Carolina to Maine. The Atlantic coastal population declined sharply from overfishing in Chesapeake Bay, but recovered after the implementation of fishing restrictions throughout the East Coast. Annual surveys in the Hudson River suggest that striped bass populations have been relatively stable over the past 20 years.
- **American shad** are currently at historic lows in the Hudson River. While habitat degradation played an important role in shad decline up to 50 years ago, overfishing is thought to be the main factor in more recent years. It is hoped that recent closures of fisheries along the Atlantic coast and on the Hudson River will help shad recovery over the next few decades.
- **Resident Fishes:** Species such as **white perch** and **banded killifish** seem to be declining, while the **spottail shiner** population seems to be stable. Because these fishes spend their whole lives in the Hudson River (mostly in freshwater areas), declining populations may be a sign of poor conditions in the river, increased predation or competition, or other environmental changes, such as those caused by zebra mussel invasion.

MANY DIADROMOUS FISHES are declining but striped bass have experienced recovery due to protection measures (top). Trends for resident fish populations are mixed (bottom).

ABUNDANCE OF HUDSON RIVER FISHES (FISH PER SAMPLE)

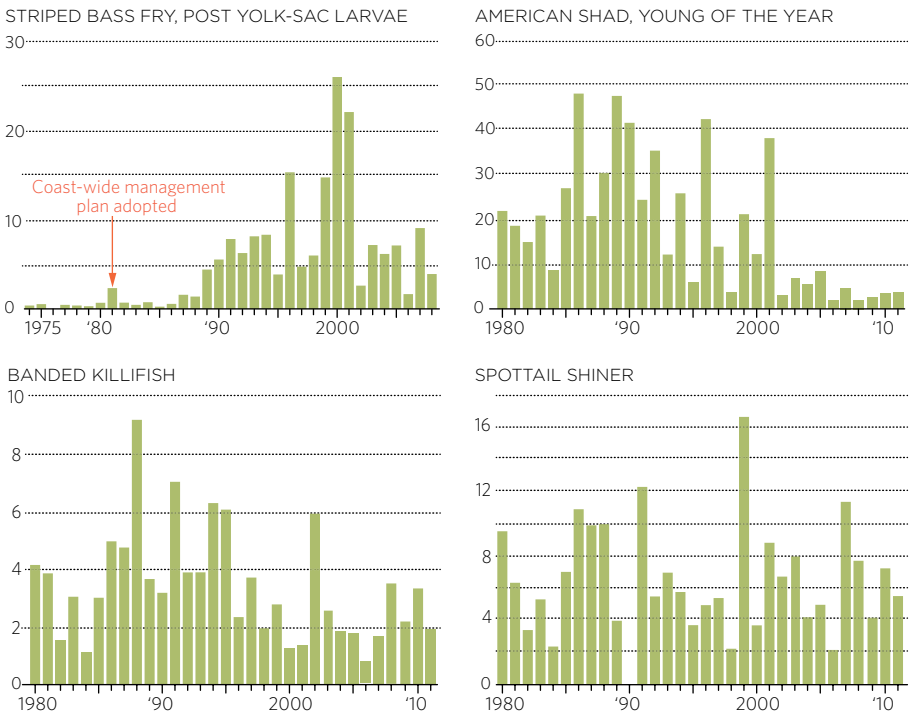


Chart Source: NJ Meadowlands Commission, Meadowlands Environmental Research Institute (Hackensack Meadowlands); NYSDEC, Hudson River Alosine Biotic Index (American shad, banded killifish and spotted shiner: Newburgh to Troy, geometric means); Hudson River power generating companies (Striped bass)

EXOTIC SPECIES



THE INVASIVE TUNICATE *Molgula manhattensis* was found at Great Kills Park Marina during the Northeast Rapid Assessment Aquatic Invasive Species Survey in 2003.

Species that are not original to our local environment and that were introduced by humans (purposely or accidentally) are called exotic, non-native, alien, or introduced species.

What's the Problem with Exotic Species?

While the majority of introduced non-native species do not become established in significant numbers, a few thrive. Because they seldom have natural predators or diseases in their new environment, these new arrivals may spread and reproduce rapidly. Species that spread uncontrollably and cause harm to human health, the environment, and/or the economy, are considered invasive. Invasive species can damage an ecosystem by competing with other species for shared resources, and by taking over, altering, or degrading entire habitats. The result may be reduced biodiversity and displaced or eliminated species, especially those that are already threatened or endangered. Certain invasive species damage piers and other infrastructure, increasing maintenance and replacement costs. Others may carry and spread new diseases.

Once an invasive species is established and has spread, it can be extremely difficult and costly to manage or eliminate.

How Are Exotic Species Introduced?

Exotic aquatic species enter a new habitat typically aided by human activities that remove natural barriers to dispersal. The many possible routes include:

- Intentional means, such as importing non-native shellfish to restock local beds.
- On ship hulls and anchors fouled by colonizing organisms such as tunicates and barnacles.
- In ship ballast water, which can contain millions of planktonic organisms, including larvae of barnacles, crabs, mussels, and fish.
- On or in devices that move between different water bodies, such as boats, dredging equipment, nets, and snorkeling gear.
- When anglers discard live bait in the water.
- When exotic pets or aquarium plants are released by their owners.

CONTROLLING AQUATIC INVASIVE SPECIES

Ongoing efforts include:

- Regulations and guidelines to reduce invasions through transport in ship ballast water. There is a similar need to address introductions through attachment to ship hulls ("fouling").
- Management plans for invasive species developed by committees, councils, and partnerships at the state, national, and international level.
- Education and outreach efforts to a variety of audiences on stopping the spread of invasive species.
- Research and monitoring, including early detection/rapid response (ED/RR) programs, mapping tools, sighting databases, and research to better understand, prevent, and manage invasive species.

Initiatives in our region are focused largely on land-based plants and plant pests, and those directed at aquatic species are concerned mostly with freshwater invaders. Although this is beginning to change, coastal water invaders call for more attention. Preventing the introduction of non-native aquatic species is critical to avoid potentially costly damages in the future, especially as our globalized economy—with ever-increasing regional and international trade and travel—makes it easier for species to move beyond their native habitats.

ASIAN SHORE CRAB



Cathy Yuhas (tunicate photo); USGS (Asian shore crab photo)

THE NON-NATIVE channel catfish is becoming more abundant.

What Exotic Species Have Invaded Our Estuary?

The following are a few examples:

Channel catfish is a predatory fish that has become increasingly abundant in the Hudson River in recent years. It has likely contributed to the decline in small fish species in tributaries.

The oriental shrimp was first found in the Bronx, East, and Harlem Rivers in 2001. Data suggest that this newcomer has become established but is not yet invasive. It should be monitored and studied to confirm it does not pose a threat.

The Asian shore crab was first seen in western Long Island Sound in 1994, and by 2000 had displaced native crabs—particularly the flatback mud crab—and greatly decreased species diversity.

Zebra mussels first appeared in the Hudson River in 1991 and quickly became dominant. By consuming massive amounts of phytoplankton (microscopic water plants), they alter the location and availability of food for many other species. Although zebra mussels live only in freshwater, they have changed the abundance and distribution of many fishes throughout the estuary.

A shipworm and a small crustacean known as **gribble** have caused extensive structural damage in our harbor by boring into wood structures such as piers and bulkheads.

HOW YOU CAN HELP

Stop the spread of invasive species:

- In the water:
  - Stay away from aquatic plants.
  - Dispose of bait, seaweed, and packaging in the trash—*never* in the water.
  - Before leaving a waterway, clean and dry your boat.
  - If your dog gets into the water, clean and wash its coat.
- Do not bring animals, plants, or food into the country illegally.
- Be a responsible pet owner—*never* release an unwanted pet.

Report sightings of invasive species.

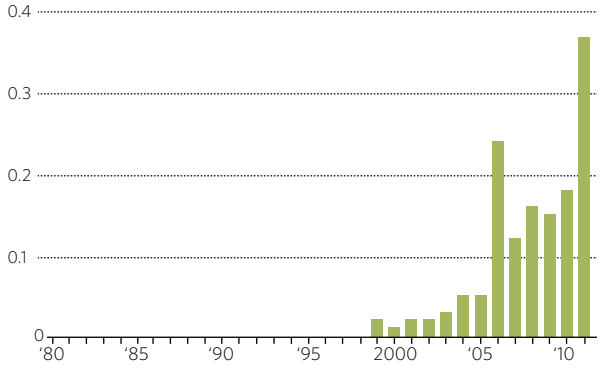
- In NJ: *www.njisst.org*
- In NY: *http://imapinvasives.org/nyimi/report_invasives*
- Or become a trained volunteer (contact *iMapInvasives@nynhp.org* for details).

Volunteer with natural resource agencies or with a community group to control invasive species.

For more ideas, visit:

- U.S. Fish & Wildlife: *www.fws.gov/invasives/what-you-can-do.html*
- Protect Your Waters: *www.protectyourwaters.net*
- The 100th Meridian Initiative: *www.100thmeridian.org*

CHANNEL CATFISH ABUNDANCE, HUDSON RIVER
(Fish per sample, Geometric Mean)



Though the **common reed** is a native marsh grass, a non-native subspecies is credited for taking over Northeast wetlands towards the end of the 20th Century. Disturbances caused by urbanization likely favored this variant over the native one. The non-native reed can dominate large areas, displacing native plants, altering the ecosystem, and reducing plant biodiversity.

In many coastal marsh restoration projects, large sums have been spent to eradicate reeds. Both native and non-native reeds, however, have been found to provide important ecosystem services and to support a variety of wildlife, including many rare or vulnerable species. Studies in the Northeast have shown that common reed can have both negative and positive effects on habitats and biodiversity, and, in some cases, may be better able than other marsh grasses to cope with accelerating sea level rise. Importantly, common reed invasions are often an indicator, rather than the cause, of habitat degradation. Unless underlying problems are addressed, removal is ineffective, as reinvasion is likely, consuming ever-diminishing monetary resources without realizing any gains.

These and other factors and tradeoffs need to be considered carefully when planning management actions. In some cases, it may be less expensive and environmentally risky to keep the existing mixture of native and invasive species together within the ecosystem they support, rather than attempting to create or re-create a community that may no longer be viable under current and changing environmental conditions.

The common reed invasion illustrates the expense and difficulty of controlling certain invasive species once they have taken over, and the complex decisions that confront us. This example highlights how critical and cost-effective it can be to prevent the introduction of exotic species, rather than to risk potentially devastating invasions.

Chart source: NYSDEC, Hudson River Alosine Beach Seine Survey (Newburgh to Troy)

HARBOR SEALS



JUVENILE HARBOR
Seal in Raritan Bay

Seals are mammals that were once common in our region but disappeared by the late 1800s because of hunting and other human activities. In recent decades, seals (also known as "sea dogs") have been seen in increasing numbers in our estuary, thanks to improvements in water quality and protection from hunting.

The most common species in our area, the **harbor seal**, winters in our estuary. Harbor seal habitat ranges from the Canadian Arctic to the Carolinas. When not swimming, they can be seen lying on sandbars, sandy and rocky beaches, or ice floes. These "haul-outs" are crucial, as they provide an opportunity for seals to rest and warm themselves in the sun, among other essential functions.

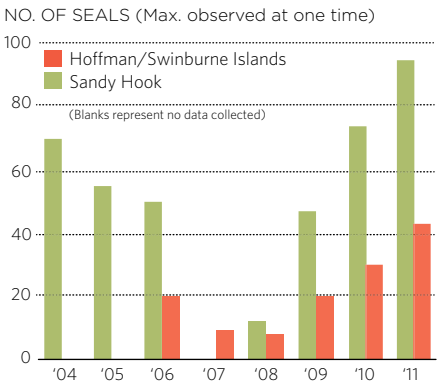
Over a century ago, seals were so abundant in our estuary that they were considered a nuisance. Even when not hunted for their meat, fur, skin, or oil, they were often killed because they were seen as competition for fishermen. In the end, seals became locally extinct.

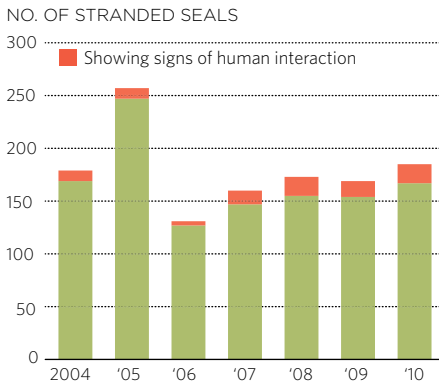
Are Seal Populations Increasing in the Estuary?

The Marine Mammal Protection Act of 1972 made it illegal to hunt or harass marine mammals in U.S. waters. Twenty years ago, it was very uncommon to see a seal in our waters or on our shores. But since then, seals have appeared in increasing numbers throughout the estuary.

Although seals are not currently considered to be threatened, they still face a number of difficulties. Seals are wary of humans and are easily disturbed by boaters, pedestrians, and dogs. In addition to natural threats such as predation by sharks, they can become entangled in fishing gear—which may lead to serious injury or death—and are sometimes killed intentionally by humans. It is especially important to protect remaining seal haul-outs from development and pollution, as these areas are crucial for their survival.

SEALS HAVE MADE a comeback to our estuary (left). Approximately 5-10 percent of stranded seals show signs of human interaction, such as collision with boats, entanglement in fishing gear, and shooting (right).





HOW YOU CAN HELP

- Avoid disturbing seals:
  - Always stay at least 150 feet away.
  - Keep your pets leashed.
  - While boating, travel slowly when near haul-out sites where seals rest, and avoid making loud, sudden noises.
- Do not attempt to come into contact with seals. Despite their friendly appearance, seals have a strong bite and will defend themselves if they feel threatened.
- If you fish, dispose of or recycle fishing line and other gear properly.
- Remember, a seal on a haul-out is behaving normally. If you find a seal (or other marine species) that you think may be stranded, distressed, or injured, call a marine mammal stranding network:
  - NY: Riverhead Foundation for Marine Research and Preservation, 631.369.9829
  - NJ: Marine Mammal Stranding Center, 609.266.0538
- For more information, visit NOAA's National Marine Fisheries Service web site at *www.nero.noaa.gov*

Joe Reynolds (seal photo); Chart sources: Sandy Hook (shore-based counts), Michael Davenport (Conserve Wildlife Foundation of NJ); Hoffman/Swinburne islands (boat-based counts), Paul Sieswerda (New York Aquarium [illegible]); NOAA Fisheries Service, Northeast Regional Office and Northeast Region Marine Mammal Stranding Network

SECTION 2

POLLUTION

After the first Europeans settled in this region, the population grew rapidly and little attention was paid to environmental impacts. As a result, increasing amounts of sewage, trash, and industrial wastes were disposed of into estuary waters. Our waterways and landscape were also profoundly changed, altering water flow patterns and slowing down the flushing of pollutants in confined areas. These factors combined to cause a steady increase in pollution, including toxic chemicals, disease-causing pathogens, nutrient-rich wastes, and floating debris, with numerous negative effects on all estuary residents and the environment.

By the early 1900s, pollution was widespread, and efforts were started to improve the sewage system and build treatment plants. Later, several national laws and regulations to control the discharge of pollutants into the environment were passed, including the Federal Insecticide, Fungicide, and Rodenticide Act; the Clean Water Act; the Marine Protection, Research, and Sanctuaries Act (often referred to as the Ocean Dumping Act); the Marine Plastic Pollution Research and Control Act; and the Toxic Substances Control Act. These and other measures gradually helped to restore cleaner waters.

Today, our estuary is much cleaner, but further improvements are still needed. Now that the largest pollution sources have been addressed, the ones that remain are harder to tackle and will require ongoing efforts and collaboration among numerous agencies, scientists, environmental organizations, and all the good stewards of our estuary.

WHAT'S NEW

Since our 2004 report on the Health of the Harbor, the NJ Harbor Dischargers Group has launched a new water quality monitoring program to provide adequate coverage in New Jersey waters and complement data collected by the NYC Department of Environmental Protection.

Water quality data generally show that after significant improvement in the 1980s, harbor-wide average concentrations of pathogens and dissolved oxygen have remained more-or-less stable. Data at a local scale can show improvements in individual water bodies over the same timeframe, depending on specific water quality improvement projects undertaken. Some of the more confined waterways, however, continue to be degraded. Remaining sources of nutrients and pathogens are much more difficult and costly to address than the larger sources already eliminated, and progress is expected to be slower. However, there are many ongoing large-scale projects to improve wastewater treatment plants, as well as efforts to implement green infrastructure widely, especially in New York City, and the resulting improvements are expected to be seen in the coming years.

Data indicate a possible decrease in floatable debris pollution, but it is too soon to tell if this is a real trend. This is an area that requires everyone's cooperation and a good deal of education, as much of the unsightly debris is caused by littering and the large amount of trash we tend to generate.

Finally, regarding toxic pollution, there has been progress in the removal, or remediation, of historical contamination. Most notably, the long-awaited cleanups of two of the most prominent sites in our region—the Hudson River PCBs and the Passaic River's Diamond Alkali site—have finally begun. Although these are just initial stages and extensive work is still needed, these first steps bring renewed hope and get us closer to the ultimate goal of a clean and healthy estuary.

WORKERS USE EXCAVATORS with environmental clamshell buckets to remove contaminated sediments and empty them into a "hopper barge." Tugboats move the barges to an upstream processing facility (left). Stormwater runoff carries motor oil and other pollutants from impervious surfaces (center). Debris on Staten Island shore by the Kill Van Kull (right).







USEPA Region 2 (dredging photo), Susan Donaldson, University of Nevada (motor oil photo), Kate Boicourt (debris photo)

FLOATABLE DEBRIS







GANNET ENTANGLED in fishing line found off Rockaway Beach (top left). Decaying structures such as these abandoned boats are a source of floatable debris (bottom left). USACE's drift collector vessel Gelberman (right).

Floatable debris is a form of pollution caused by waste material suspended in our waters and can accumulate on shorelines and beaches. Most of the debris on our shores and in our waterways comes from littering—either on the water, in parks, on city streets, or at the beach. Litter can be carried by wind or water right into our estuary. Other sources include decaying structures, such as old piers and abandoned boats.

How Does Floatable Debris Affect Us?

Garbage is not only an eyesore, but has many other negative impacts:

- It harms animals that get entangled in it or mistake it for food.
- It can cause dangerous accidents and costly damage for boaters.
- It can clog storm drains and cause or worsen floods.
- It may contain sharp items that can injure beachgoers.
- It has economic impacts as it affects recreational activities that depend on the public's appreciation of coastal natural resources.
- Cleaning up litter is expensive for our communities and consumes funds that could otherwise be spent on schools, parks, community projects, helping businesses, and creating jobs.

Is Floatable Debris Pollution Decreasing?

The amount of debris collected appears to be declining in recent years. Although this is encouraging, it is too soon to tell if this trend is real or the result of normal fluctuation from year to year.

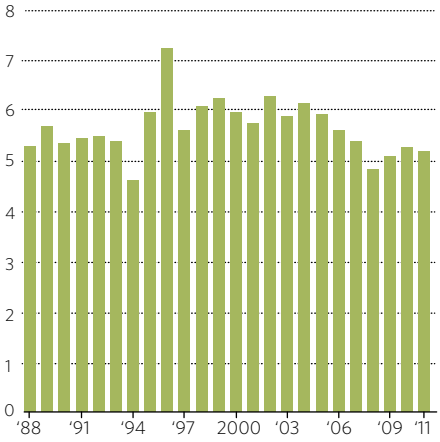
DEALING WITH FLOATABLE DEBRIS

The economies of New York and New Jersey lost millions of dollars in 1987 and 1988 after a series of trash wash-ups caused beach closings and generated strong public reaction. As a result, both states collaborated with many agencies in the region to develop a Floatables Action Plan for the estuary and the shorelines of Long Island and New Jersey. Implementation of this plan began in 1989 and currently involves:

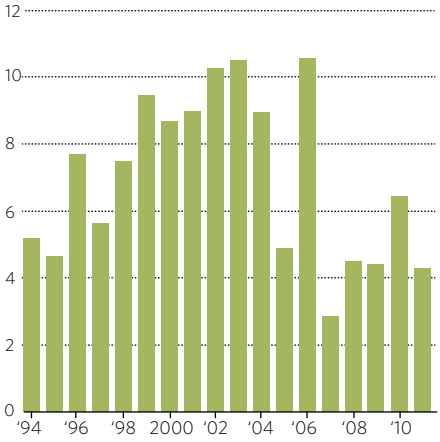
- **Helicopter surveillance** to spot large masses of floatable debris before they reach shore.
- **Skimmer vessels** to routinely collect floating debris.
- **Shoreline clean-up programs** conducted by numerous organizations and groups throughout the estuary, commonly engaging community members.
- **Booms**, or floating barriers, to contain debris from large storm and waste water outfalls.

Beth Perkins (bird photo); Jamal Kadri (derelict boats photo); U.S. Army Corps of Engineers (collector vessel photo)

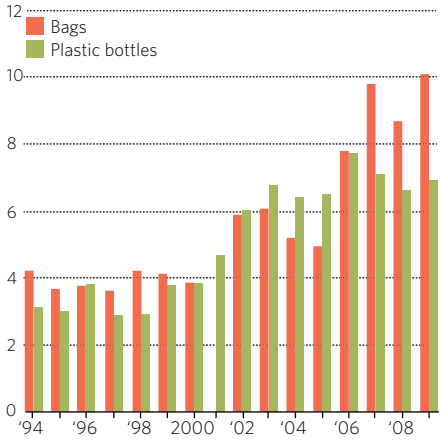
FLOATABLE DEBRIS COLLECTED
BY SKIMMER VESSELS AND BOOMS
(Tons of Debris, Thousands)



DEBRIS COLLECTED BY INTERNATIONAL
COASTAL CLEANUP IN 8 NY COUNTIES
(Pounds per Mile, Hundreds)



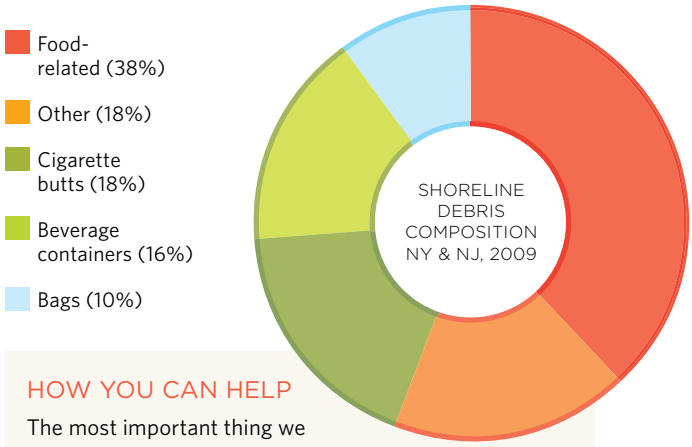
BAGS & BOTTLES COLLECTED
DURING COASTAL CLEANUPS IN NY AND NJ
(Percentage of total debris items collected)



THE AMOUNT OF FLOATABLE debris in our estuary seems to be declining in recent years (left, center) but it is too early to tell whether this is a trend. The most common type of debris is food-related (bottom right) and the percentage of bags and plastic bottles seems to be increasing (upper right).

What are the most Common Types of Debris?

Food-related garbage (for example, food wrappers, straws, and cups) is the most common type of debris found during shoreline cleanups in our region. The proportion of bags and plastic bottles seems to be on the rise. Plastics are particularly problematic because most never fully degrade and thus have long-lasting impacts on ecosystems. Plastics typically break up into smaller and smaller pieces—often not visible to the naked eye. Animals that mistake these bits of plastic for food can suffer greatly and even starve to death.





A GROUP of dedicated volunteers cleaned up debris at Rocky Point on a rainy Earth Day in 2011, helping bring the marshes back to life.

HOW YOU CAN HELP

The most important thing we can all do to reduce floatable debris is to prevent litter in the first place. You can make a big difference, save money, and help build safer and healthier communities:

- **Reduce** your garbage. Think before you buy, and choose items with less packaging.
- Choose **reusable** items (shopping bags, food containers, water bottles, etc.)
- Be responsible for your trash—including cigarette butts! Use trash bins or take garbage back home with you.
- **Recycle** everything you can.
- Recycle or dispose of all fishing and boating waste properly.
- Participate in cleanup events in your area.

Shervin Hess, Rocky Point Marsh Makers, http://marshmakers.blogspot.com (clean up photo)
 Chart source: The NY Bight Floatables Action Plan Assessment Report 2011 (USEPA)/
Debris composition data (statewide NY & NJ): Ocean Conservancy, International Coastal Cleanup

PATHOGENS

Pathogens are a variety of microorganisms that can cause diseases such as gastroenteritis (or "stomach bug") or more serious and potentially lethal illnesses, such as typhoid fever, cholera, and hepatitis. Pathogen pollution is commonly the result of contamination by human or other animal feces.

Both actual and suspected pathogen pollution can result in beach closures, restrictions on other activities involving contact with water, and restrictions on shellfish harvest and consumption. This limits our recreation choices, and affects tourism and shellfishing, all of which impact the local economy.

How do Pathogens Enter Our Waters?

A large portion of the estuary is serviced by combined sewer systems, which use the same pipes to transport stormwater and sewage to wastewater treatment plants. When it rains, the stormwater may add more volume than a plant can handle, and the excess mixture of stormwater and sewage is discharged into our waterways untreated. These discharges are known as "combined sewer overflows," or CSOs, and are the single largest source of pathogens in our region.

Stormwater itself may carry pathogens from pet and wild animal feces. In areas with separate sewer systems, most stormwater enters storm drains and is carried directly to nearby waterways. Boats can be another source of sewage if toilet wastes are dumped directly into the water instead of at pumpout stations.

What are We Doing to Make Our Waters Safer?

Numerous organizations and groups are working to make our waters cleaner and safer. Although this is a daunting task, cooperation among partners who are implementing actions, large and small, is bringing us closer to the ultimate goal of a healthy estuary that can be enjoyed by all at any time. Ongoing efforts to address pathogen discharges include:

- Plans and programs to implement green infrastructure practices.
- Educational campaigns to encourage water conservation by individuals, commerce, and industry, thus reducing the amount of water entering combined sewer systems.
- Substantial investments to increase the capacity of combined sewer systems and wastewater treatment plants.
- Development and implementation by New York and New Jersey of long-term plans to control CSOs and evaluate options to address this problem.
- Designating areas as "no discharge zones," where dumping sewage from boats into the water is prohibited, including Jamaica Bay and the Shrewsbury River.
- Steps by municipalities to reduce pollutants in stormwater; for example, street cleaning, pet waste management, and anti-littering campaigns, as well as developing best management practices to control stormwater under the Municipal Separate Storm Sewer System program.
- Water quality monitoring programs throughout the estuary to track improvements and ensure that the water is clean.



THANKS TO SUBSTANTIALLY cleaner waters, many people enjoy swimming in our estuary and local groups organize numerous swimming events during the summer months.

Are Waters in our Estuary Safe to Swim in?

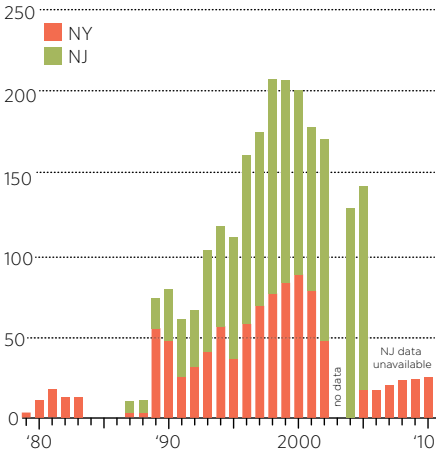
In general, and as long as it has not rained recently, most of our waters are safe for swimming, and many people do enjoy visiting the estuary's beaches or paddling in our waterways. But during storms, some amount of raw sewage and stormwater is commonly discharged and may make waters temporarily unsafe for direct contact. Swimming beaches are monitored during the summer season and will be closed if the conditions are known, or suspected, to be unsanitary. When it rains, some beaches are closed automatically; for others, a wet weather advisory is issued, meaning that swimming is not recommended.

GREEN INFRASTRUCTURE

Green infrastructure is a set of approaches and technologies to infiltrate or use rain water as a resource while keeping it out of the sewer system, thus reducing polluted runoff and helping decrease discharges of untreated sewage from combined sewer systems. Examples range from relatively simple solutions, such as rain barrels, to more complex systems, such as green roofs. Green infrastructure methods that use vegetation are particularly appealing because they provide other community benefits, including cleaner air, decreased urban temperatures, and more enjoyable landscapes.

Manhattan Island Foundation (swimming photo)

CLAM HARVEST IN THE NY-NJ HARBOR
(Thousands of bushels harvested)



HOW YOU CAN HELP

We can all do our part by adopting some of these actions:

- Conserve water
  - Fix water leaks, turn off faucets when not in use, and take short showers.
  - Consider purchasing low-flow fixtures or inserts.
  - Whenever possible, avoid large uses of water during a rainstorm (such as doing laundry, running the dishwasher, or taking showers).
  - For more tips, visit *www.epa.gov/WaterSense.*
- Always clean up after your pet
- If you are on a boat, never discharge untreated sewage; use pumpout stations whenever possible (check *www.state.nj.us/dep/fgw/cvadir.htm* and *http://bit.ly/HtkQNl for locations*).
- Consider installing rain barrels or other green infrastructure on your home or property.
- Report combined sewer overflows during dry weather.
  - In NJ, call (877) 927-6337 or go to *www.nj.gov/dep/warndep.htm.*
  - In NY, call (518) 402-8111 or visit *www.dec.ny.gov/chemical/48595.html*

Are Shellfish from Our Estuary Safe to Eat?

Shellfish accumulate pollutants from their environment as they filter water to gather nourishment. Local clams, mussels, and oysters constituted a large portion of our region's economy and diet until the early 20th Century, when pollution and overharvesting devastated the local shellfishing industry.

Today, some of our waters (in Raritan and Sandy Hook Bays and Shrewsbury and Navesink Rivers) are clean enough that hard clams are safe to consume after undergoing a purification process to remove any pathogens. Subject to water quality monitoring, small areas of the Shrewsbury and Navesink Rivers are open seasonally from November to April for direct harvest.

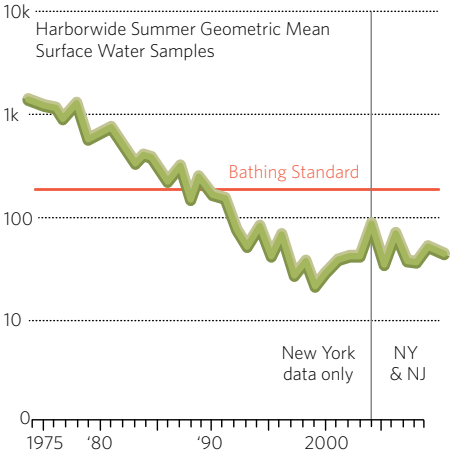
Local clam harvesting increased until the late 1990s and, at its peak, was estimated to contribute $54 to $66 million to the local economy. Unfortunately, in 2003 a parasite known as QPX infected some clams in the Raritan Bay. Although harmless to humans, some harvest programs were suspended to avoid spreading the disease. It is unclear how this setback will affect the local shellfishing sector, but as our waters keep getting cleaner, the prospect of reviving a sizable local shellfishing industry seems possible and has the potential to create much-needed local jobs.

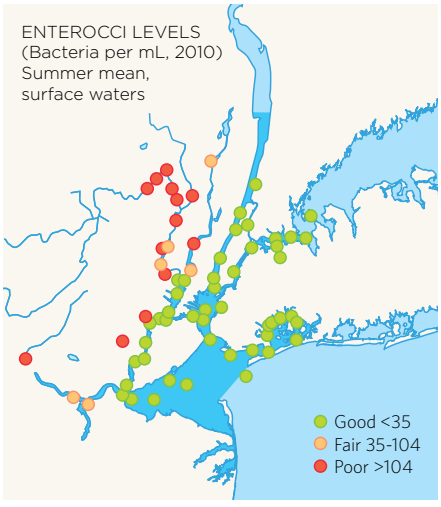
Are Conditions Improving in Our Estuary?

Thanks to substantial investments in wastewater treatment infrastructure made by municipalities around our estuary, the average harbor-wide level of fecal coliform bacteria (an indicator of possible pathogen pollution) in our waters decreased dramatically from the early 1970s until the mid-1990s, and has remained stable since.

Although all areas of the estuary have improved, pathogen contamination can still occur, especially during and after rain events. Open waters are generally in better condition than enclosed bays and tributaries that receive combined sewer overflows and stormwater discharges. In addition, a more sensitive indicator of pathogen contamination (enterococcus) suggests that some areas (notably New Jersey tributaries) still need substantial improvements to be considered safe for swimming. Ongoing efforts should bring further improvements to our waters.

FECAL COLIFORM BACTERIA
(Bacteria per 100mL)





THE MEAN LEVEL of bacteria indicating possible presence of pathogens has decreased significantly (left) but some areas still need further improvements (right). Hard clam harvest peaked in the late 1990s but plummeted after some harvest programs were suspended in Raritan Bay (top left).

Data sources: NJDEP and NYSDEC (clam harvest), NYCDEP and NJHDG (fecal coliform and enterococci), USEPA Region 2 GIS (base map). Lucy Reading-Ikkanda (map illustration)

NUTRIENTS & DISSOLVED OXYGEN



USING PUMPOUT STATIONS to dispose of sewage from boats helps keep pollutants out of our waterways. Sewage collected by pumpout facilities is transported to on-land wastewater treatment plants.

Except for aquatic mammals, who breathe in oxygen from air, most aquatic animals take in the oxygen that is dissolved in the water around them. Too little dissolved oxygen (a condition called hypoxia) or none at all (anoxia) can cause aquatic animals to suffer greatly or even die, much as we would without enough oxygen in the air we breathe.

What Causes Low Dissolved Oxygen?

Nutrients such as nitrogen and phosphorus occur naturally in water bodies. They come from decaying plant matter and organisms, and provide nourishment to other living beings. However, too many nutrients may allow microscopic algae to grow out of control, causing an algal bloom. When these algae decay, bacteria feast on them, using oxygen much faster than it can be replenished and thus depleting dissolved oxygen. Conditions typically worsen during the summer, when warmer water can hold less dissolved oxygen, and when both algae and bacteria are more active.

Wastewater treatment plants started coming on-line in our region toward the end of the 19th Century, and today treat sewage from millions of people. Although these facilities have reduced nutrient discharges, the treated wastewater still contains large amounts of nutrients and organic matter, that may lower dissolved oxygen levels.

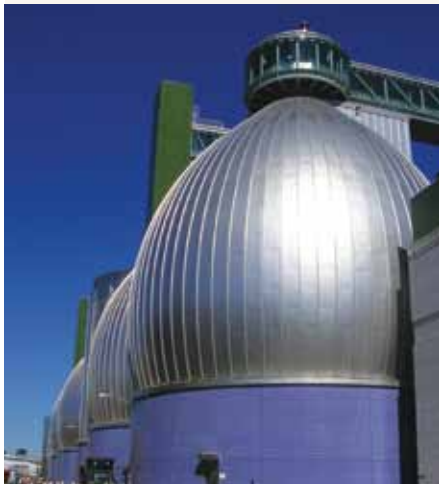
Other sources of nutrients include combined sewer overflows, sewage from boats, surface runoff that can carry animal wastes and fertilizers, nutrients conveyed from watersheds further upstream, and direct deposition from the atmosphere.

WHAT ARE WE DOING TO IMPROVE DISSOLVED OXYGEN?

HEP partners are working to find the most effective ways of ensuring our waters are clean and safe for all of the estuary's inhabitants. They also continue to monitor water quality to track progress towards this goal. Other actions include:

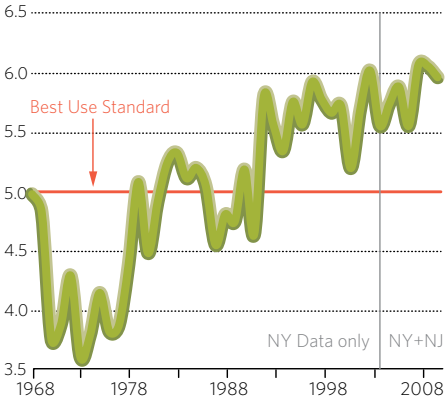
- Completed, ongoing, or planned improvements for all wastewater treatment plants in our region, as well as exploration of innovative technologies to further reduce nutrient discharges.
- In 2000, a "total maximum daily load" (TMDL) for nutrients was established for Long Island Sound that, when implemented, will result in the waterbody meeting water quality standards. As a result, all four plants in the East River are upgrading their treatment to include nitrogen removal.
- Water quality monitoring programs in NJ and NY, including a few high-frequency locations.
- Recent passage of a New Jersey fertilizer law that is expected to reduce nitrogen inputs to NJ waters.

THE NEWTOWN CREEK wastewater treatment plant is undergoing dramatic improvements.

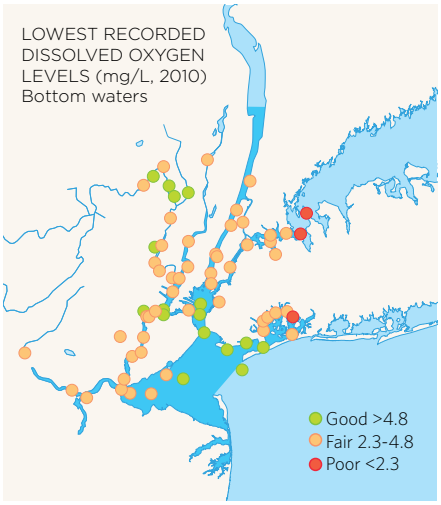


NYS Environmental Facilities Corporation (boater photo); Gabriela Munoz (sewage treatment plant)

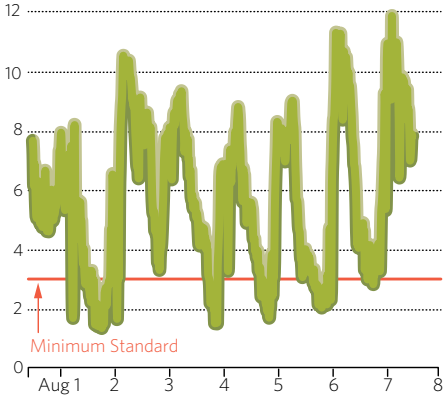
DISSOLVED OXYGEN IN BOTTOM WATERS
(mg/L) Harbor-wide summer averages



LOWEST RECORDED
DISSOLVED OXYGEN
LEVELS (mg/L, 2010)
Bottom waters



HIGH FREQUENCY DISSOLVED OXYGEN
(mg/L) Broad Channel, Jamaica Bay 2010



MEAN DISSOLVED oxygen levels have improved since the 1970s (top) and the overall condition in our waters in 2010 was fair to good (center). Dissolved oxygen levels, however, can vary widely, even throughout the day (bottom).

Why Should We Care about Nutrients?

Excess nutrients in our waters can have many negative impacts, including:

- Nuisance algal blooms—explosive growth of algae that may cause noxious odors, excessive accumulations of foams, and discoloration of the water, decreasing the beauty of the water body.
- Low dissolved oxygen that can harm or suffocate fish and other aquatic species, resulting, in severe cases, in large-scale fish kills.

Is There Enough Dissolved Oxygen in the Estuary's Waters?

For the past 20 years or so, the *average* level of dissolved oxygen in estuary waters over the summer has consistently been above what is considered safe for marine life, even at bottom depths, which tend to experience lower levels. Although this is encouraging, it does **not** mean that there is *always* enough oxygen *everywhere* in our waters, as dissolved oxygen can vary greatly over time and space.

While the open waters of the estuary are generally in good shape, there are still times and locations where dissolved oxygen can be too low, stressing or harming fish and other aquatic species. This problem is more severe in areas that receive discharges from wastewater treatment plants, such as the East River and western Long Island Sound. Dissolved oxygen can be particularly low in tributaries and bays with limited circulation, and in areas where treatment plants are the main source of fresh water, such as the tributaries of Jamaica Bay and the Hackensack and lower Passaic Rivers.

High-frequency monitoring at selected locations in the estuary shows how concentrations change throughout the day as they are influenced by tides, light, and other factors. For example, during the night, aquatic plants cannot produce oxygen via photosynthesis, and dissolved oxygen drops.

Is Dissolved Oxygen Increasing in the Estuary?

Up until the early 1990s, dissolved oxygen levels increased dramatically, thanks to reductions in wastewater treatment plant nutrient discharges. Since then, average harbor-wide dissolved oxygen has fluctuated from year to year because of rainfall and other conditions, but has remained relatively stable.

Wastewater treatment plants do not fully remove all nutrients. Further reducing nutrient discharges requires additional and expensive investments to incorporate advanced treatments. Although much remains to be done, some of these upgrades are being carried out and others are being planned.

Other causes of low dissolved oxygen are more difficult to tackle, such as altered waterways that do not allow proper water mixing and circulation; polluted runoff from roads and sites on land; loss of wetlands that used to trap nutrients and other pollutants in runoff; and combined sewer overflows.

HOW YOU CAN HELP

- *Always* clean up your pet's waste. Carry a newspaper or plastic bag to pick up the waste and dispose of it properly in the trash or toilet.
- Avoid unnecessary use of fertilizer on your lawn or garden, and do not apply when rain is in the forecast, as it can be washed into the estuary.
- If you boat, *never* dump sewage into the water.
- Do not feed wildlife such as geese, pigeons, ducks, and deer. Feeding results in more pollution from their wastes.

Chart source: NYCDEP (high frequency DO), NYCDEP and NJHDG (harbor-wide average DO)
Map source: NYCDEP and NJHDG (data), and USEPA REGION 2 GIS (base map)
Lucy Reading-Ikkanda (map illustration)

TOXIC CHEMICALS





FISH ADVISORY sign in the Hackensack River (left). The Gowanus Canal is one of the nation's most extensively contaminated water bodies and was added to the Superfund National Priorities List in 2010 (right).

Many toxic chemicals, or toxics, entered our estuary over decades of industrial and other human activities. Substances known as "persistent and bioaccumulative toxics" are of particular concern because they are long-lasting and build up in human and wildlife tissues (bioaccumulate), causing a wide range of harmful effects. This accumulation is amplified (biomagnified) as contaminants move up the food chain. Examples of persistent and bioaccumulative toxics include heavy metals such as mercury, and human-made substances such as certain pesticides, industrial chemicals, and combustion byproducts.

Federal laws and regulations have banned or restricted the production and use of several toxic chemicals, and their environmental levels have decreased nationwide. But long-lived toxics still persist in varying amounts in our estuary's living organisms and sediments, including some heavily contaminated "hot spots."

Sources of ongoing toxic pollution include, among others, improper disposal of items that contain toxics (such as old lighting ballasts that may contain polychlorinated biphenyls—PCBs), mercury from coal-burning power plants throughout the U.S. that is carried by wind and deposited in our estuary, erosion from historically contaminated sites, and toxics that are still used legally (such as coal tar sealants containing polycyclic aromatic hydrocarbons—PAHs). In addition, there is growing interest in "contaminants of emerging concern," including pharmaceuticals, personal care products, and newer chemicals used in manufacturing and industry, many of which are widely used. Although these chemicals have not been regulated historically some are known, and others suspected, to have adverse effects on aquatic life.

How Contaminated is Our Estuary?

Our estuary includes numerous sites contaminated with a wide range of toxic pollutants—a legacy from an industrial past. Many of these are "Superfund" sites, part of an Environmental Protection Agency program to clean up past contamination. As part of this program, cleanup actions have started in the upper Hudson River PCBs and Passaic River Diamond Alkali sites, two of the most polluted sites in our region. Progress in some of these highly complex, historically contaminated sites is often slow, as is the case in Berry's Creek in Bergen County, NJ, which is highly polluted with mercury and many other toxics. Two other extensively contaminated sites—Gowanus Canal and Newtown Creek—have recently been added to the Superfund site list.

There are also many other contaminated sites in our region, including state Superfund and brownfield sites. Brownfields are former industrial or commercial sites that have potential for redevelopment but may be contaminated by past activities.

USEPA (advisory sign); Jim Henderson/Wikimedia Commons (Gowanus Canal)



TRY TO REDUCE your purchase of products that contain hazardous ingredients, which can be harmful to our health and the environment. These products require special care when you dispose of them.

HOW YOU CAN HELP

- Focus on **Pollution Prevention**. Think before you purchase, use, or dispose of any product. Does it contain toxics? Is there a safer alternative? How should you dispose of it? Remember that nothing we throw away truly "goes away."
- Avoid products that contain toxic substances as much as possible.
- Visit *www.earth911.org* for ideas on how to safely recycle or dispose of items that may contain toxic substances, including waste and debris from remodeling (such as old thermostats and appliances), household hazardous wastes (such as electronic devices, pesticides, and paints), motor oil and car fluids, rechargeable batteries, and more.
- Take unwanted or expired medicines to a collection event (check *www.dea.gov*). If this is not possible, dispose of medicines in the trash. Never flush them down the toilet!
- For more ideas, visit *www.epa.gov/dfe* and *www.epa.gov/safepestcontrol*

The Problems

Toxic contamination is one of the most serious issues in our estuary. Among other problems, it causes:

- A wide range of adverse effects throughout the ecosystem.
- Restrictions or bans on fish consumption.
- Costly maintenance of navigation channels, since polluted sediments require expensive treatments.

The Challenges

Addressing toxic contamination is challenging because:

- Cleaning up and disposing of contaminated sediments is complex and very expensive.
- Cleanups often need to cover vast areas, as many contaminants are toxic at very low levels and contamination is commonly widespread.
- In addition to historical contamination, ongoing inputs need to be addressed to avoid re-contamination.

All of the above and additional factors need to be considered when planning for sediment cleanup, which requires thorough study that can delay action.

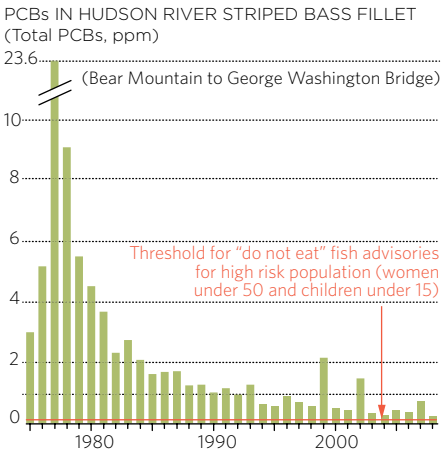
Are Fishes from Our Estuary Safe to Eat?

Many fishes and crustaceans in our estuary are contaminated with a variety of toxic chemicals. Species that are fatty or high in the food chain may contain more toxics than others. New York and New Jersey periodically measure the level of toxics in fish, and issue consumption advisories to protect people who fish in our local waters from specific contaminants, including PCBs, dioxins, mercury, and cadmium.

Although consumption advisories vary according to who you are, where you fish, and what you catch, both states advise that:

- Children and women who may become pregnant should generally not eat any fish or crabs caught from water bodies where there are advisories. Toxic contaminants can have a greater effect in developing children and fetuses, and some chemicals may be passed on in breast milk.
- Fish fat and skin should always be removed, and any cooking juices or drippings should be discarded because many toxic compounds concentrate in the fat.
- If eating crabs, the tomalley or "mustard" (hepatopancreas) should be removed before cooking because this is where many toxic substances accumulate. Note that it is prohibited to eat, catch, or sell crabs from Newark Bay and tidal Passaic and Hackensack Rivers.

For specific advisories and more information, please visit *www.health.ny.gov/fish* or *www.FishSmartEatSmartNJ.org*.



TOXIC POLLUTANTS have decreased markedly in many species' tissues but the levels that remain still warrant several fish and shellfish consumption advisories.

Chart data by NYSDEC
Gabriela Munoz (household hazardous waste photo)

WHAT ARE WE DOING TO REDUCE TOXIC CHEMICALS IN OUR ESTUARY?

Several efforts over the years have addressed the complex problem of toxic sediments.

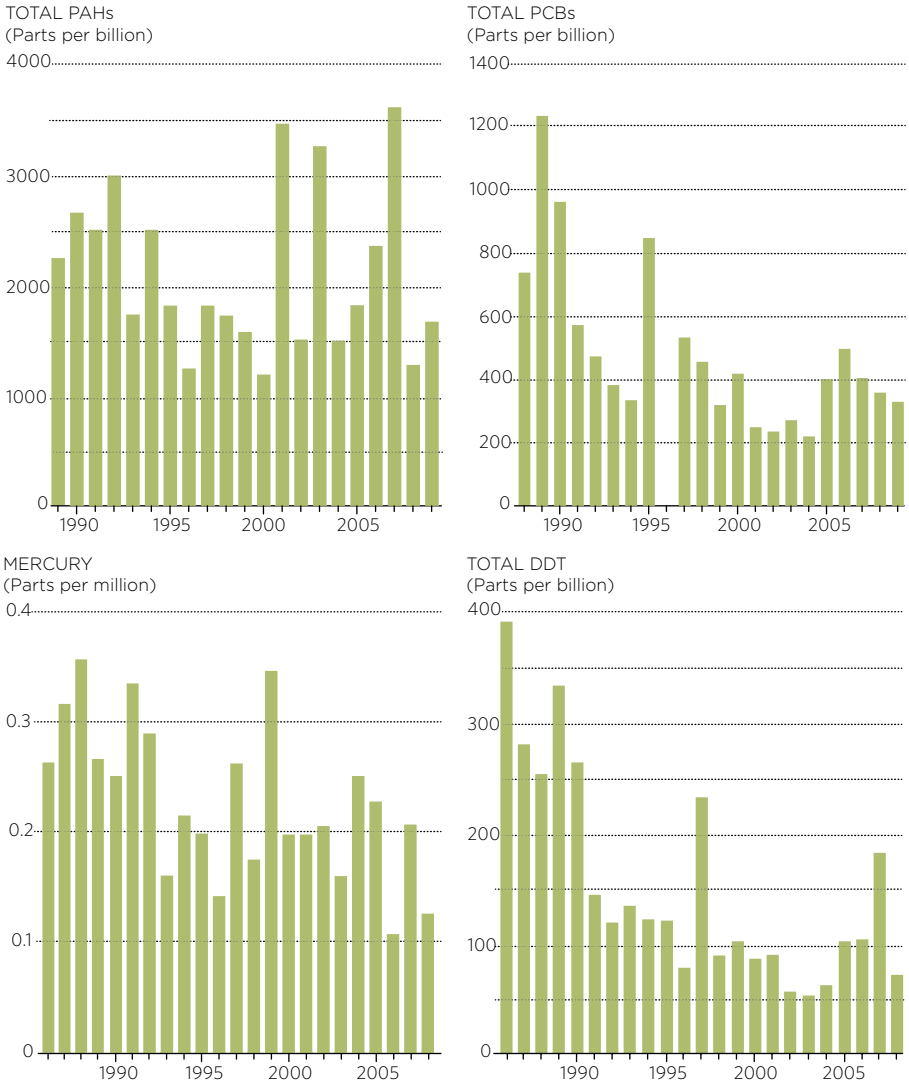
Completed work includes:

- The assessment phase of the estuary's Contamination Assessment and Reduction Project (CARP) to better understand historical contamination.
- Tracking down sources of contaminants still entering the estuary (for example via stormwater runoff), as carried out by HEP partners.
- Testing of innovative sediment decontamination processes for dredged materials.
- Identification by The Harbor Project of a series of actions to curb ongoing inputs of five groups of contaminants into our estuary (www.nyas.org/harbor).

Ongoing actions include:

- Remediation of contaminated sites in the upper Hudson and lower Passaic Rivers, recently begun after decades of careful study and planning.
- State and federal programs dealing with other contaminated sites, including Superfund, brownfield, and voluntary cleanup programs.
- Assessment by New York and New Jersey, in coordination with HEP, of which combination of sediment cleanup, reductions in direct discharges, and other measures are needed to achieve water quality standards.
- The CRP goals for the estuary to remove or cap contaminated sediments and restore ecological conditions.
- The Regional Sediment Management Plan proposal to develop a map of sediment contamination in the estuary to prioritize areas for cleanup.
- New mercury and air toxics standards to reduce emissions of mercury and other toxics from coal-fired power plants.

HARBOR-WIDE MEAN CONCENTRATION OF SEVERAL TOXICS IN MUSSEL TISSUE



TOXIC POLLUTION in our estuary has generally decreased, as shown by concentrations in mussels (above) and striped bass tissue (opposite page).

Is Toxic Pollution Decreasing in Our Estuary?

Our 2004 report on the Health of the Harbor showed pronounced decreases in conventional toxic pollution from the 1960s through the 1990s. In this report, we focus on more recent changes.

Many conventional toxic contaminants in fish and mussel tissue have declined, a sign that our estuary is getting cleaner. But, in general, rates of decrease slow as pollution diminishes, meaning that low levels of toxics can remain in the environment for decades. PCB concentrations in striped bass have declined since these chemicals were banned in 1976, but are still above the level of concern that triggers fish consumption advisories for high-risk populations (such as children and pregnant women). Removal of highly contaminated sediments, some of which is happening now, is expected to speed up further reductions in toxic chemicals.

Chart data by NOAA Mussel Watch Program

SECTION 3

CLIMATE CHANGE

The climate of the earth has generally been stable for the past 10,000 years. But the conditions we evolved under are now changing so rapidly that human and natural communities may not be able to adapt successfully. Scientists agree that the earth's temperature has risen over the past century—at an accelerated pace in the last several decades—and have concluded that this has very likely been caused by human activities, primarily the increasing use of fossil fuels. Burning coal, oil, and other fossil fuels releases carbon dioxide (CO_2)—a heat-trapping or "greenhouse" gas—into the atmosphere, causing average temperatures to increase.

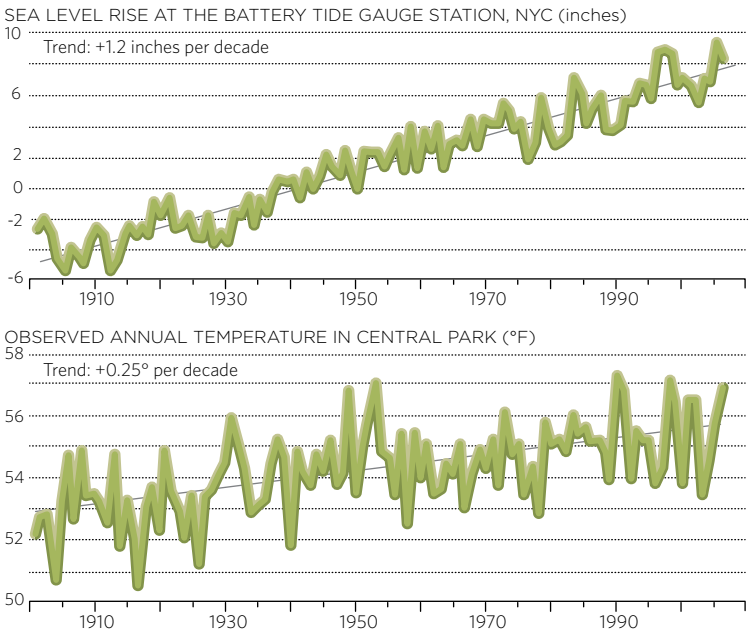
Dramatic changes in our climate are affecting humans and the environment we depend on for sustenance. We are already experiencing these changes, some of which can be very disruptive and costly and are expected to worsen if no action is taken: more frequent and severe storms, flooding and sea level rise, more frequent heat waves, and accelerated loss of, and shifts in, species and habitats.

Our Climate Is Changing and Sea Level Is Raising

Average temperatures in the NY-NJ metropolitan region have risen and are expected to continue increasing. What this potentially means for our region is not just warmer weather, but a profound disruption of our climate, with certain extreme weather events becoming more common. Changes that are expected for our region include:

- Summer heat waves that are very likely to become more frequent, more intense, and longer lasting.
- Sea level rise will continue and accelerate.
- Increases in intense precipitation events that cause inland flooding, and droughts that are more likely than not to become more severe.

SEA LEVEL and mean temperature are increasing in our region.



WHAT CAN BE DONE?

Climate change can be addressed in two main ways:

- Decreasing greenhouse gases in the atmosphere by reducing current emissions and by mitigating past emissions (for example, by planting trees that absorb CO_2).
- Adapting to climate change. This includes a wide variety of measures, such as planning for flood evacuation, designing buildings that can withstand more severe storms and flooding, and increasing green infrastructure to reduce demands on our wastewater treatment plants.

Both approaches are needed because we are already experiencing the effects of climate change. Several large-scale local, state, and regional initiatives of both types are currently in progress.

On a smaller scale, HEP is:

- Helping the North Hudson Sewage Authority to use a toolkit to prepare for climate change as part of the USEPA's Climate Ready Water Utilities program.
- Assessing how sea level rise will affect public access sites in NJ as part of the USEPA's Climate Ready Estuaries program.

How Are Our Surrounding Ecosystems Affected?

The effects of climate change are many and varied:

- Important habitats (such as many coastal wetlands) and the species that live in them could decline or disappear because of rising sea levels.
- Certain species (including more than 175 migratory birds) have shifted or will shift northward to escape warmer conditions. Some, like rainbow smelt in the Hudson River, may disappear altogether.
- We may gain species that require warmer temperatures, such as ghost crabs, and see an increase in exotic species.
- Parasites and disease-carrying organisms that were once rare are now thriving. For example, "Dermo," a disease that affects oysters, has entered our region recently as temperatures have increased.
- As the oceans absorb large quantities of the extra CO_2 in the atmosphere, seawater turns more acidic, decreasing the amount of carbonate, a mineral that shellfish, corals, plankton, and mollusks need to make their shells. Scientists predict that the growth of the Eastern oyster may slow as ocean acidification increases.

These and other changes combined are expected to cause profound ecological transformations in our estuary.

Chart source: http://tidesandcurrents.noaa.gov (sea level rise); Columbia Center for Climate Systems Research (temperature in Central Park);



CLIMATE CHANGE will increase the frequency and severity of flooding, as normal high tides become higher and extreme weather events become more common. Increasing temperatures are driving many species northward (chart below).

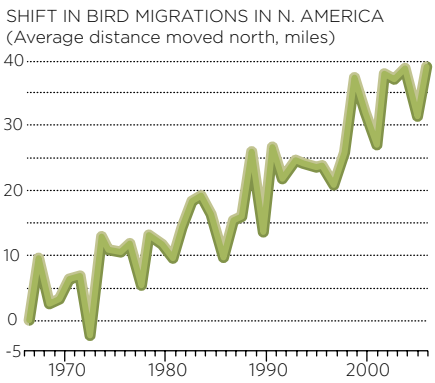
How Does Climate Change Affect Us?

Climate-related changes could severely impact our daily lives, affecting the basic services we have come to rely upon, including transportation and the availability of water and electricity.

More frequent and intense rainstorms will increase flooding of low-lying areas, affecting our homes, buildings, and other infrastructure, and disrupting transportation. Throughout the estuary, this will increase water pollution from runoff and combined sewer overflows. Coastal storms combined with rising sea levels will cause beach and shorefront erosion and the loss of wetlands, among other negative effects.

Heat waves are not just unpleasant and distressing, but pose a serious and potentially deadly health risk, particularly for children and the elderly. Although milder winters will mean less energy used to heat buildings, increased energy use in the summer to cool our homes and businesses will stress our energy infrastructure and could lead to more frequent blackouts. If we continue to rely on fossil fuels, increased energy use will release even more carbon dioxide into the atmosphere, intensifying climate change.

Greenhouse gases already in the atmosphere will remain for a long time and cause some amount of climate change, no matter what we do. But these changes will worsen if we do not act. Though it will be expensive for our communities to reduce the impact of climate change and to adapt our current structures and systems to cope, we need to act NOW to minimize the negative effects for our families, businesses, and ecosystems.



HOW YOU CAN HELP

Conserving energy is important for reducing fossil fuel consumption and greenhouse gas emissions. It is good for the environment—and your wallet! No single action will get the job done, but here are a few suggestions:

- Avoid wasting energy. For example, turn off lights and appliances when not in use.
- Choose Energy Star products, which consume less power.
- Insulate your home so you'll spend less on heating and cooling.
- Reduce, reuse and recycle.
- Conserve water. It takes lots of energy to produce safe drinking water and to treat waste water. Saving water has other benefits as well.
- Whenever possible, use public transportation, walk, bike, or carpool.
- If you have to drive, try to choose a car with good fuel economy, and keep it well tuned.

Other things you can do:

- Be informed about climate change.
- Plant a tree. Trees and shrubs help absorb CO_2.
- Volunteer with a community group or get involved in your local government.

For more ideas, visit *www.epa.gov/climatechange/wycd* and *www.energysavers.gov*



Mike Fedosh (Keyport, NJ flood photo)
Chart source: National Audubon Society (shift in bird migrations)

SECTION 4

PUBLIC ACCESS

Historically, much of our estuary's shoreline was used for port operations, industrial activities, waste disposal, railroads, and roads, blocking public access to many areas of the waterfront. High levels of pollution in the past also made the waterways unattractive for recreation.

Today, our waters are cleaner, waterfront use and development patterns have changed, and our cities are reconnecting with the estuary, resulting in a growing desire for more access to the waterfront and the water itself. Still, there are long stretches of waterfront that remain inaccessible to the general public, a problem that many people are working to change. Examples of large-scale, successful projects that provide public access include NJ's Hudson River Waterfront Walkway and the Brooklyn Greenway Initiative's Waterfront Greenway.

HOW YOU CAN HELP

- Nominate a site in your neighborhood for transformation into a public access site, or identify one that needs maintenance. Go to *www.watersweshare.org* or contact *habitat@harborestuary.org*
- Get involved in a community group working to improve public access, or participate in a public access event.

Why does Public Access Matter?

Access to the water and shoreline is a great way to get in touch with nature, especially in our highly urbanized estuary. Increased access can provide many benefits, including education, recreation, health and fitness, and an overall better quality of life. And the more people feel connected to the water, the more they will want to become actively involved in protecting and restoring our estuary. It is also part of public law: according to the Public Trust Doctrine, public waters, lands, and living resources are held by the State in trust so that all people can enjoy and benefit from these resources.

What are We Doing to Improve Public Access?

- With partners and its Public Access Work Group, HEP has undertaken several projects, such as creating paddling and access point maps, identifying sites suitable for public access, promoting access and waterfront events through small grants, and assessing the projected impact of sea level rise on public access sites in NJ.
- Creating and upgrading access points to make our waters accessible to all residents within a short walk or public transit trip is a goal of the CRP for our estuary. An HEP-sponsored Public Access Inventory is used as a baseline for existing access, which are included on the OASIS interactive web-based map (*www.oasisnyc.net/map.aspx*).
- HEP partners have acquired and/or restored numerous sites, most of which provide public access opportunities.

Challenges

As the population continues to grow, the need to maintain existing access and create new opportunities also increases. Conflicts may arise between different waterfront uses. Although industrial activity and public access coexist in places such as the Hackensack Meadowlands and Newtown Creek, access may be limited around airports and other secure areas, as well as environmentally sensitive areas such as nesting habitats.

Meeting public access needs and minimizing waterfront use conflicts requires planning and the education of all users. Additional challenges come from emerging issues such as the impact of climate change and sea level rise on access sites.





THE HARBOR AT HASTINGS State Superfund site blocks access to the Hudson River at the Village of Hastings-on-Hudson, NY (above); Students from *City As School,* an alternative public high school in the West Village, row at Pier 40 in Hudson River Park as part of a regular afterschool program at the Village Community Boathouse (right).

Gabriela Munoz (Hudson river); Rob Buchanan (boating photo)

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New York - New Jersey
Harbor & Estuary Program
www.harborestuary.org

NEIWPCC
New England Interstate Water Pollution Control Commission

WOULD YOU LIKE TO CHANGE YOUR ADDRESS OR ADD SOMEONE TO OUR MAILING LIST?

Please send any changes to gabriela@harborestuary.org or mail to the Harbor Estuary Program Office:
290 Broadway, 24th Floor,
New York,NY 10007

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ATTACHMENT D

COVID-19 Response

Mask requirements for fully vaccinated visitors vary by park. In all parks, people who are not fully vaccinated must continue to wear masks indoors and in crowded outdoor spaces. Masks are required for everyone on all forms of enclosed public transportation. Additional details are available at **www.nps.gov/coronavirus**. Before visiting, please check the **park website** to determine its operating status. Please **recreate responsibly.**

National Park Service

Gateway

National Recreation Area
NY, NJ

ALERTS IN EFFECT

DISMISS

PARK CLOSURES

Designated Nesting Areas at Sandy Hook closed to visitors to protect shorebirds

The designated nesting areas at North Beach, North Gunnison, & South Fee at Sandy Hook are closed to visitors until further notice. Plovers have hatched in these areas. These beach closures help ensure another successful breeding season at Sandy Hook

West Pond Loop closed through fall 2021

The majority of the West Pond loop will be closed while contractors work to address erosion with the construction of a living shoreline. Parking will also be limited during construction.

Heinzelman Road paving project

The Heinzelman Road, Fort Tilden paving project began in mid-July. The project will last through early September and the road will be closed for the duration of the project. Access for authorized vehicles will be provided through points at 169th St.

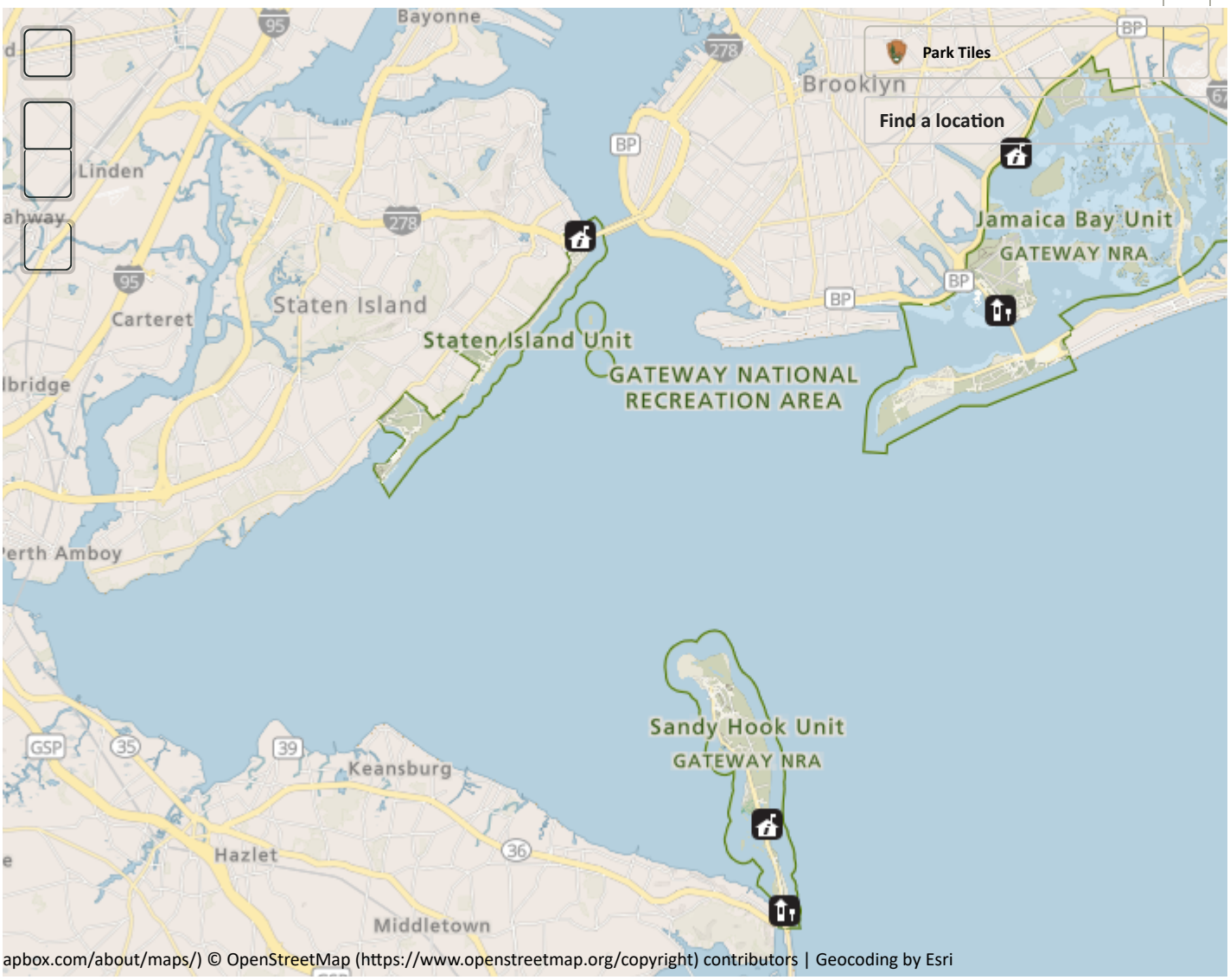
3 more non-emergency alert notifications...

Dismiss **View all alerts**

Maps

Make your visit memorable for all the right reasons

Gateway welcomes you to enjoy its beautiful beaches, environmental wonders and historic structures. Please read the signs and observe all park **rules** during your visit. These rules keep you safe while preserving both natural habitats and historic landscapes.



Gateway Unit Maps

Click on a map below to see maps for that unit.

Jamaica Bay Unit



Jamaica Bay Unit

Within the Jamaica Bay Unit there are several places to visit. Floyd Bennett Field, Jamaica Bay Wildlife Refuge, Canarsie Pier, Breezy Point, Fort Tilden and Jacob Riis Park.



Sandy Hook Unit

Sandy Hook Unit

The Sandy Hook Unit is located in New Jersey. There you will find Fort Hancock Historic Post, the oldest continuously operating lighthouse in the county, a former life-saving station and amazing beaches.



Staten Island Unit

The Staten Island Unit is made of three different areas, Fort Wadsworth, Miller Field, and Great Kills Park.

Explore Gateway through Google Earth!

We have created several themes that allow you to explore Gateway through Google Earth. You can find a kayak launch spot in Jamaica Bay, find directions to Great Kills Park or learn more about the historic structures and fortifications within the Fort Hancock and Sandy Hook Proving Ground National Historic Landmark, which includes the entire Sandy Hook peninsula.

Last updated: September 2, 2020

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2018 NYC Ferry Expansion 2019 Feasibility Study



NYCEDC

NYCEDC

January 11, 2018

Dear Mayor de Blasio,

Since its launch in 2017, NYC Ferry has substantially improved transportation access and quality of life for residents living in 20 waterfront communities across our city. To date, close to eight million riders have traveled along the service's six routes, with landings spanning from Soundview in the Bronx to the Rockaways in Queens. The New York City Economic Development Corporation (NYCEDC) is proud of its role in launching a system that has fundamentally transformed accessibility in neighborhoods that have historically been considered transit deserts. This work has meant increased physical mobility for New Yorkers from all backgrounds, which translates to access to opportunity and the promise of a brighter future.

Recognizing this promise, neighborhood leaders from all five boroughs have requested that NYC Ferry also serve their communities. You responded to their call and this summer instructed NYCEDC to study the feasibility of expanding the system. After six months of rigorous analysis, I am pleased to present the results of that work. This document represents a data-driven analysis of 35 expansion opportunities in all five boroughs, including assessment of physical feasibility, ridership and transportation benefits, and potential for integration into the NYC Ferry system. It presents several viable near-term options for growth that could substantially extend NYC Ferry's benefits to thousands more New Yorkers, and potential future adjustments to improve service further. This study also identifies the efforts that will be needed, and the costs that must be borne, to implement all of these changes successfully.

At a time of record population growth, New York needs infrastructure investments to meet our current and future transit needs. NYCEDC stands ready to help meet that need through additional ferry service.

Thank you for your continued support and recognition of the importance and potential of New York City's waterways.

Sincerely,

James Patchett
President and CEO
New York City Economic Development Corporation

TABLE OF CONTENTS

EXECUTIVE SUMMARY 01

1 BUILDING ON SUCCESS 05

2 OUR APPROACH 09

3 PUBLIC OUTREACH AND SITE IDENTIFICATION 11

4 SITE ASSESSMENT 21

5 ROUTE DEVELOPMENT AND EVALUATION 25

6 ROUTE FINDINGS 29

7 LOOKING AHEAD 39

APPENDICES 45


PARK

EXECUTIVE SUMMARY

NYC Ferry provides an affordable, enjoyable way for New Yorkers to connect to jobs and leisure activities around New York City. Since its 2017 launch, NYC Ferry has enjoyed overwhelming success, serving nearly 8 million riders as of this writing and enjoying favorable reviews from 93% of riders. New Yorkers have responded to that success with a desire for new ferry landing sites and routes to expand the reach of the ferry system and their own mobility. Following the completion of the Lower East Side route in August 2018 (the sixth of the current system), Mayor de Blasio instructed New York City Economic Development Corporation (NYCEDC) to examine opportunities for NYC Ferry's growth. This feasibility study is the result of that effort.

This study is informed by NYCEDC's 20 months' experience running NYC Ferry (and six years' experience running the predecessor East River Ferry). It builds upon previous NYCEDC ferry studies undertaken in 2011 and 2013, while accounting for new data that informs ferry ridership estimates, operational and travel time calculations, information on development and neighborhood growth, and growing pressure on other transit modes.

This study is not itself a set of recommendations for new ferry landings or routes. Rather, it is an objective, data-driven analysis of expansion opportunities to inform policy decisions by the de Blasio administration. Over the course of six months, NYCEDC, supported by third party consultants with expertise in maritime transportation planning and ridership modeling (collectively, the "planning team"), analyzed dozens of landing site recommendations made by members of the public. In reviewing these, the planning team was guided by three goals that have driven NYC Ferry since its inception:



Provide affordable and convenient transit for communities, improving overall transportation options



Support growing neighborhoods and connect people to jobs and economic opportunities throughout the city



Increase the resiliency and redundancy of the city's transportation network

Through a three-stage screening process, the planning team has identified opportunities to: (1) extend the existing Soundview route; (2) create two viable new NYC Ferry routes to serve Staten Island and Coney Island; and (3) in the event a Coney Island route is created, adjust the existing South Brooklyn route to improve its performance for riders. Each of these opportunities comes with unique challenges and costs, discussed in further detail below, which will inform the administration's decisions on whether or not to proceed.

THE PROCESS



PUBLIC OUTREACH

In September 2018, NYCEDC issued an open call to New Yorkers seeking recommendations for new NYC Ferry landing sites. Community members and their elected officials, informed by local knowledge of opportunities and constraints, responded online and in person with 3,500 suggestions of neighborhoods and sites to include in the study. The planning team sorted those suggestions by site and ranked them based upon popularity, resulting in an initial study list of 35 sites and neighborhoods for consideration.

SITE ASSESSMENT

The planning team assessed the 35 potential sites in three stages. First, the team reviewed operational and physical constraints, such as bridge clearance heights, shipping channel traffic, and water depths that could cause a site to be unsafe or otherwise infeasible for ferry service. This resulted in the elimination of nine sites. Second, the planning team reviewed the remaining 26 sites using factors that affect potential ridership demand, such as neighborhood population, existing transit options, surrounding land uses and development potential, and accessibility of the potential sites to pedestrians and others modes (where appropriate). Other factors used in the analysis of sites were existing in-water infrastructure, along with navigational considerations at and around the site that could influence travel time and maneuverability. The planning team identified 11 of the 26 sites having sufficient ridership demand base and physical viability to model into study routes for potential NYC Ferry service. Site assessment findings are shown on the following page.

ROUTE DEVELOPMENT AND EVALUATION

Next, the planning team clustered the 11 landing sites into three geographic regions of the city, to analyze as a potential ferry route (or routes, as many of these areas had multiple iterations):

- Staten Island – Hudson River: St. George, Stapleton, Great Kills, Chelsea (Pier 57), West 70th Street, Battery Park City, Midtown / West 39th Street
- Southern Brooklyn: Coney Island Creek, Bath Beach
- Upper East River: Ferry Point Park / Throgs Neck, College Point

The planning team analyzed various combinations of the sites within each region as routes, assessing characteristics such as distance, travel time, frequency of departures, operating hours, and seasonal schedules. These factors informed the ridership modeling profile, which projected how many people would use the service (ridership demand) and the cost of the service to operate.



Site Assessment Findings

	STAGE 1	STAGE 2	STAGE 3	STUDY SITES FOR ROUTE EVALUATION
THE BRONX	City Island / Orchard Beach	City Island / Orchard Beach		The **Ferry Point Park / Throgs Neck** area has limited transit options. A ferry would provide another transit option with competitive travel times to Lower and Midtown Manhattan for neighboring communities.
	Ferry Point Park / Throgs Neck	Ferry Point Park / Throgs Neck	Ferry Point Park / Throgs Neck	
	Yankee Stadium	Yankee Stadium		
	Mott Haven			
	Co-op City			
BROOKLYN	Coney Island Creek	Coney Island Creek	Coney Island Creek	**Coney Island Creek** could provide a faster transit alternative to Manhattan for the local community in an isolated part of the peninsula. A ferry landing at **Bath Beach** could provide the adjacent neighborhoods with more transit options when traveling to Lower and Midtown Manhattan.
	Canarsie Pier	Canarsie Pier		
	Bush Terminal	Bush Terminal		
	Sheepshead Bay	Sheepshead Bay		
	Bath Beach	Bath Beach	Bath Beach	
	Coney Island Beach			
	Gowanus			
MANHATTAN	West 70th Street	West 70th Street	West 70th Street	The **West 70th Street** site is adjacent to high-density residential buildings, offering an alternative to the subway to Lower and Midtown Manhattan. **Chelsea** could provide another transit option to an area experiencing rapid growth. Pier 57 is currently being redeveloped as commercial space, and a ferry landing could provide access to jobs at this location. This site is also within walking distance of the popular High Line Park. **Battery Park City** and **Midtown / West 39th Street** are existing ferry terminals that connect to jobs in Lower and Midtown Manhattan on the west side.
	West 125th Street	West 125th Street		
	Inwood / Dyckman Street	Inwood / Dyckman Street		
	Randall's Island	Randall's Island		
	East Harlem	East Harlem		
	Chelsea (Pier 57)	Chelsea (Pier 57)	Chelsea (Pier 57)	
	West Village (Christopher Street)	West Village (Christopher Street)		
	Battery Park City	Battery Park City	Battery Park City	
	Midtown / West 39th Street	Midtown / West 39th Street	Midtown / West 39th Street	
QUEENS	College Point	College Point	College Point	A ferry from **College Point** could provide a faster trip to Lower and Midtown Manhattan for communities adjacent to the landing in another isolated part of the city with fewer public transit options.
	Fort Totten / Bay Terrace	Fort Totten / Bay Terrace		
	LaGuardia Airport	LaGuardia Airport		
	Flushing Bay	Flushing Bay		
	Whitestone	Whitestone		
	JFK Airport			
	Far Rockaway			
STATEN ISLAND	St. George	St. George	St. George	**St. George** Ferry Terminal is a multimodal hub that connects all of Staten Island to Manhattan via the Staten Island Ferry. NYC Ferry could provide travel time savings for passengers traveling to the west side of Lower Manhattan or Midtown Manhattan. A landing in **Stapleton** could provide a faster alternative for those in the neighborhood traveling to Manhattan. The site offers a connection to the Staten Island Railroad and proximity to the New Stapleton Waterfront development. A landing at **Great Kills Park** could provide a faster trip for neighborhoods within a short driving distance of the park.
	Stapleton	Stapleton	Stapleton	
	Great Kills Park	Great Kills Park	Great Kills Park	
	Tottenville	Tottenville		
	New Dorp Beach / Midland Beach			
	Prince's Bay			
	West Shore			

SUMMARY OF ROUTE FINDINGS

STATEN ISLAND – HUDSON RIVER

While the Staten Island Ferry has long served the southern tip of Manhattan, via the Whitehall Terminal, a NYC Ferry route could provide a direct transit connection for Staten Island residents to Manhattan's lower and midtown west side, with significant savings in travel time compared to existing commute options. Of the five routes evaluated within the Staten Island – Hudson River corridor, the St. George to Battery Park City to Midtown / West 39th Street route clearly shows the most promising ridership relative to operating costs. The inclusion of additional sites along Manhattan's west side would reduce overall ridership and extend travel times, making ferry service undesirable relative to alternatives.

CONEY ISLAND

In Southern Brooklyn, a Coney Island route would have the potential to improve transit options for residents of that neighborhood. The Coney Island Creek site presents challenges to constructing a landing able to withstand the sandy environment and maintain reliable service throughout the year. However, Coney Island was the most frequently requested Brooklyn site during NYCEDC's public engagement process, indicating promising ridership potential. Adding Bay Ridge to a new Coney Island route would also provide a faster, more direct trip to Manhattan for riders who today must pass through four different stops on the South Brooklyn route. Additionally, moving Bay Ridge to a new Coney Island route would make the current South Brooklyn route more compact, creating opportunities to modify and improve it further in the future. While many Brooklyn residents expressed interest in service at Bath Beach, that site failed to achieve the travel time savings necessary to justify its inclusion in a new Coney Island route.

THROGS NECK / FERRY POINT PARK

The planning team also considered sites in the Upper East River region as additions to the existing Soundview route. A Ferry Point Park / Throgs Neck site has long had the support of neighborhood advocates and elected officials, and it was the most requested site during the public engagement process in the Bronx. Although Ferry Point Park would be a unique park-and-ride site, it has ample on-site parking available. College Point, Queens was also studied as an additional possible extension for the Soundview route, but the inclusion of other sites on the route would offer limited ridership and extend overall travel times to an unacceptable degree. The College Point site also lacks the parking necessary to support ferry service in that neighborhood.

NEXT STEPS

Implementing a new route requires constructing vessels as well as designing, permitting, and constructing in-water and upland infrastructure at landings. Additionally, reliable and efficient ferry service requires a fleet of well-maintained vessels and operationally efficient terminals to move people quickly and on schedule. Adding service to an existing system requires careful consideration of the total ferry fleet size, management of that fleet through maintenance programs and overnight moorage, and modifying schedules to optimize service for its users. System optimization is ongoing following the launch of the latest new routes and NYC Ferry continues to expand transportation options to the communities of New York City.

BUILDING ON SUCCESS 1

PURPOSE

The de Blasio administration launched NYC Ferry in 2017, building off the success of the East River Ferry pilot service and guided by the 2013 Citywide Ferry Study. NYC Ferry quickly established a new waterborne public transit system reaching New Yorkers in traditionally underserved neighborhoods and providing accessible transit in waterfront areas where jobs and housing are growing. Based upon the success of NYC Ferry's existing system, this study examines the feasibility of potential new sites and routes to expand the system to other parts of the city.

NYC FERRY GOALS

Three principle goals drive NYC Ferry, and inform the current study:



Provide affordable and convenient transit for communities' improving overall transportation options



Support growing neighborhoods and connect people to jobs and economic opportunities throughout the city



Increase the resiliency and redundancy of the city's transportation network

NYC Ferry also aligns with the goals of Mayor de Blasio's "One New York: The Plan for a Strong and Just City," which aims to create economic growth and improve New Yorkers' lives by improving citywide connectivity. Whether it is Rockaway residents gaining direct access to growing industry and jobs in Sunset Park and Lower Manhattan, or Soundview residents who have seen their commuting times cut in half, NYC Ferry is supporting economic growth, job access, and development along waterfront neighborhoods.



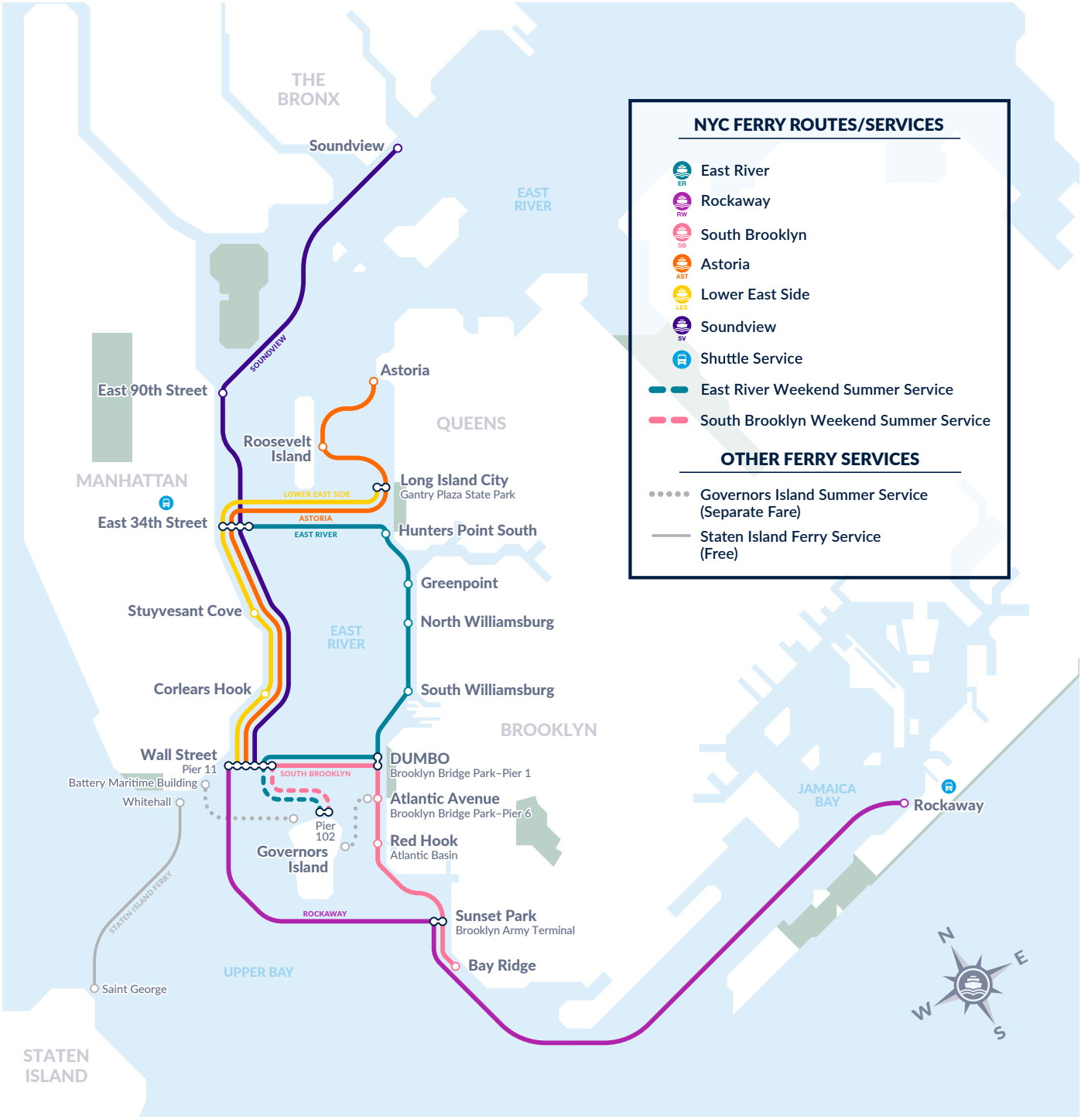
In reaching more communities and connecting residents to jobs, NYC Ferry also has modernized and expanded one of the city's most resilient transit modes. The passenger ferry fleet in the New York Harbor has played crucial roles in providing emergency access, most notably during 9/11 and after Hurricane Sandy, when flooding of the subway system caused significant transit interruptions.

Finally, NYC Ferry increases overall connectivity in isolated neighborhoods, and also offers New Yorkers direct connections to many of the City's open spaces, which help boost the economic impact to those areas (such as the Rockaways).

CURRENT NYC FERRY SYSTEM

NYC Ferry, originally called “Citywide Ferry,” launched in the summer of 2017 with four new routes including the existing East River Ferry route, which began as a pilot service in 2011. NYC Ferry has since grown to six routes across four boroughs, with daily service to 20 landings and a fleet of both 150- and 350-passenger vessels.

Existing 2018 NYC Ferry Map



CURRENT NYC FERRY SYSTEM

CURRENT ROUTES

NYC Ferry operates year round on six routes: East River, Rockaway, South Brooklyn, Astoria, Lower East Side, and Soundview. A connection to Governors Island is provided on summer weekends. Each route provides service to a variety of neighborhoods, connecting parts of New York City to one another and offering free transfers at DUMBO, Brooklyn Army Terminal and Long Island City landings as well as the main ferry terminals at East 34th Street in Midtown Manhattan and Wall Street / Pier 11 in Lower Manhattan.

In order to ensure that riders can reliably connect to job centers year-round, NYC Ferry operates with frequent and consistent departures during weekday peak periods. On weekends and off-peak periods, the frequency of departures fluctuates to meet demand with fewer departures per hour in the winter and more per hour in the summer.

7.7 M

RIDERS SINCE LAUNCH

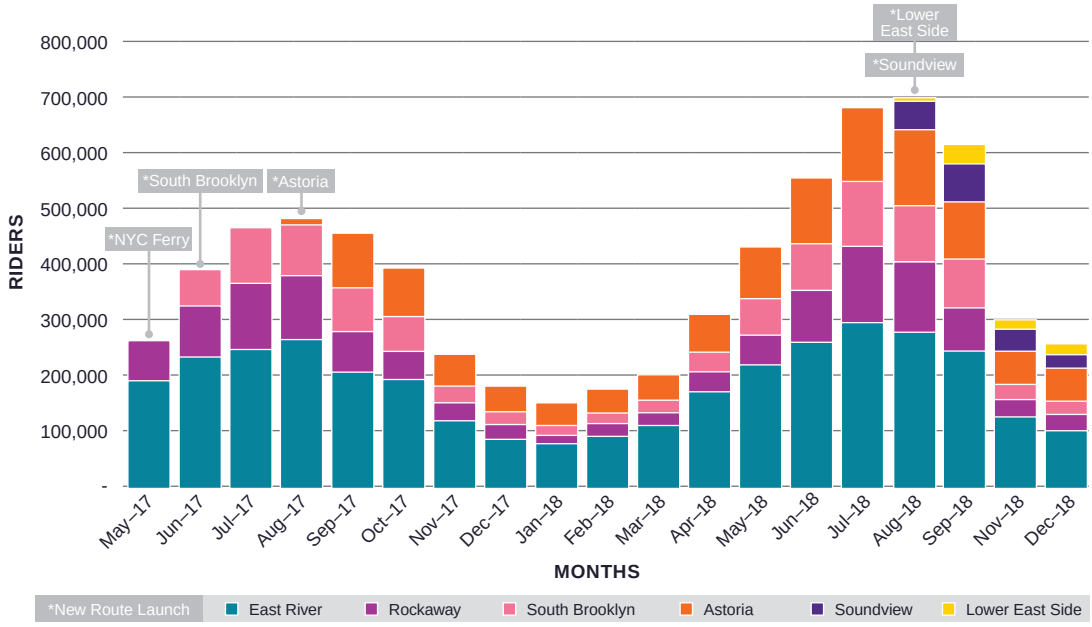
RIDERSHIP

Since launching on May 1 2017, NYC Ferry has transported over 7.7 million passengers (as of the end of 2018). As with most ferry services, ridership fluctuates throughout the year with the highest levels in the summer—NYC Ferry transported 700,000 people in August 2018 alone.

20

LANDINGS

PASSENGER FEEDBACK



21

VESSELS

6

ROUTES

NYC Ferry regularly gathers customer feedback via online and in-person surveys. The majority of riders (83 percent) are New York City residents, and during peak periods most passengers (71 percent) are commuting to and from work or school. Over 70 percent of riders walk or bike to and from the ferry landings. Passengers generally like NYC Ferry, with over 93 percent rating their overall satisfaction at seven or higher out of 10.

93%

CUSTOMER SATISFACTION

Metrics as of December 2018



OUR APPROACH 2

To assess each potential site and the options for assembling landings into NYC Ferry routes, the planning team followed a stepped approach, detailed in the following chapters of this study.

Public Outreach and Site Identification

Local residents and elected officials know their neighborhoods best and are able to provide valuable input on the opportunities and constraints of potential landing sites. To gather this important perspective, NYCEDC worked with all five borough presidents in the fall of 2018 to host meetings with community board leaders and elected officials along the city's waterfront. NYCEDC also launched an online form to identify sites for further assessment, which garnered over 3,500 responses.

Site Assessment

Following the development of a list of potential sites, the planning team assessed and evaluated them to determine feasibility of ferry service. This assessment first involved review of operational constraints, such as navigational considerations due to vessel traffic, the presence of low-clearance bridges, water depths, and other obstructions. The planning team then analyzed the opportunities associated with each site, including review of potential ridership (informed by the presence of existing transit options and travel patterns of the community), as well as current and planned development growth.

Route Development and Evaluation

The planning team then assembled sites that presented ridership potential and that could expand the number of competitive transportation options into potential ferry routes. The planning team considered service frequency, travel time, and other factors to determine if residents were more likely to use the ferry or other travel modes. These factors informed a more detailed ridership demand model and estimates of capital and operating costs to provide new service.

Route Findings

Assessment, development and evaluation led to an understanding of how many riders would use this service, what it would cost to implement and operate the service, its relationship to existing NYC Ferry service, and how this new transportation option could benefit the surrounding community.

PREVIOUS STUDIES

This NYC Ferry Expansion Feasibility Study builds upon other ferry studies completed over the past 10 years. Some sites from previous studies were included again in 2018 with new and updated data.

2011 In the absence of any existing public ferry service (other than Staten Island Ferry) NYCEDC completed the Comprehensive Citywide Ferry Study in 2011, which provided an overview of development potential for passenger ferry transportation throughout New York City. That study analyzed and prioritized potential corridors of routes drawn from a group of over 40 waterfront sites in the five boroughs. Building upon the recommendations, the City launched the East River Ferry pilot, which today is the East River route of the NYC Ferry system.

2013 Following the success of the East River Ferry pilot, NYCEDC set out to complete a second Citywide Ferry Study in 2013. The recommendations and outcomes of the 2013 Citywide Ferry Study formed the blueprint of a proposal that would later become NYC Ferry. First announced by Mayor de Blasio in February 2015, NYC Ferry began service in May 2017.



PUBLIC OUTREACH AND SITE IDENTIFICATION

3

In the five years since the 2013 Citywide Ferry Study, NYCEDC planners have received requests for ferry service at a number of sites across the city. Starting with its own list of opportunity sites developed over the years, NYCEDC then turned to the public with a broader invitation to provide input on new ferry service.

NYCEDC opened an online input form in September 2018 that allowed members of the public to suggest a location or neighborhood for consideration in the study. From this online portal, NYCEDC received more than 3,500 suggestions over five weeks. The sites most frequently requested generally matched the information NYCEDC gathered from in-person meetings with elected officials and community board representatives during the same period.



Met with over **90** elected officials & community board representatives



5 meetings in 5 boroughs



Received over **3,500** online responses across all boroughs



500+ miles of coastline in NYC

PUBLIC OUTREACH AND SITE IDENTIFICATION

Working with the city's five borough presidents, NYCEDC hosted meetings with elected officials and community board representatives along the city's waterfront to hear where they would like future NYC Ferry service. This engagement led to a better understanding of the unique characteristics, desires, and needs of each neighborhood, as well as the opportunities and constraints of suggested landing sites.

Using the input gathered from their constituents and their knowledge of ongoing and planned projects in their neighborhoods, community board representatives and elected officials voiced support for landing sites that would best serve their constituents on reference maps and National Oceanic and Atmospheric Administration (NOAA) navigational charts.



PUBLIC OUTREACH AND SITE IDENTIFICATION

In assessing potential new landing sites, each step in the process informed the next: previous studies provided useful background information, public outreach identified potential locations for focus, site viability determined the locations that could move forward to route analysis, and route evaluation and ridership forecasts determined the routes considered for implementation. It is important to note that there are rarely specific rules that would clearly or definitively qualify or disqualify a site from consideration; this planning process attempted to take into consideration community-based feedback, technical and navigational information, and an economic evaluation to determine the routes with the highest potential for being beneficial to local commuters.

The most frequently requested sites from both the online portal and the borough meetings were included in the study list and are addressed in the remainder of this chapter.





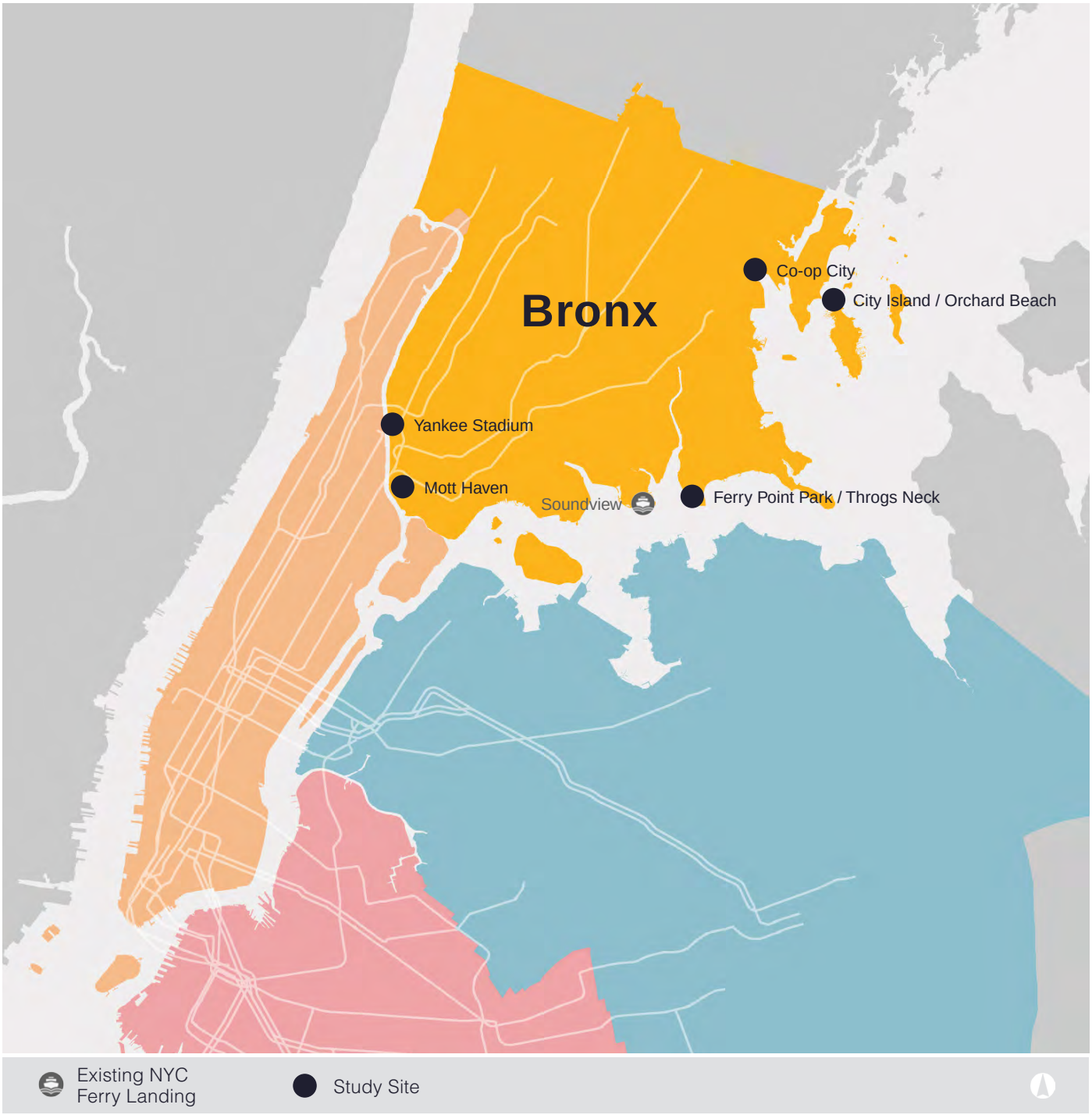
STUDY SITES

The planning team developed and mapped a full list of study sites by borough through public outreach and engagement to understand community priorities. The sites represented on the map below identify the locations most frequently requested during the public input process.



THE BRONX

Soundview, NYC Ferry's first route to the Bronx, has exceeded initial ridership projections or estimates since its launch and cut transit commute times in half for some residents. Requests for additional Bronx service were largely concentrated on the east side of the borough. Support from elected officials and members of the public led to the analysis of five Bronx areas in this study: City Island / Orchard Beach, Co-op City, Ferry Point Park / Throgs Neck peninsula, Mott Haven, and Yankee Stadium.



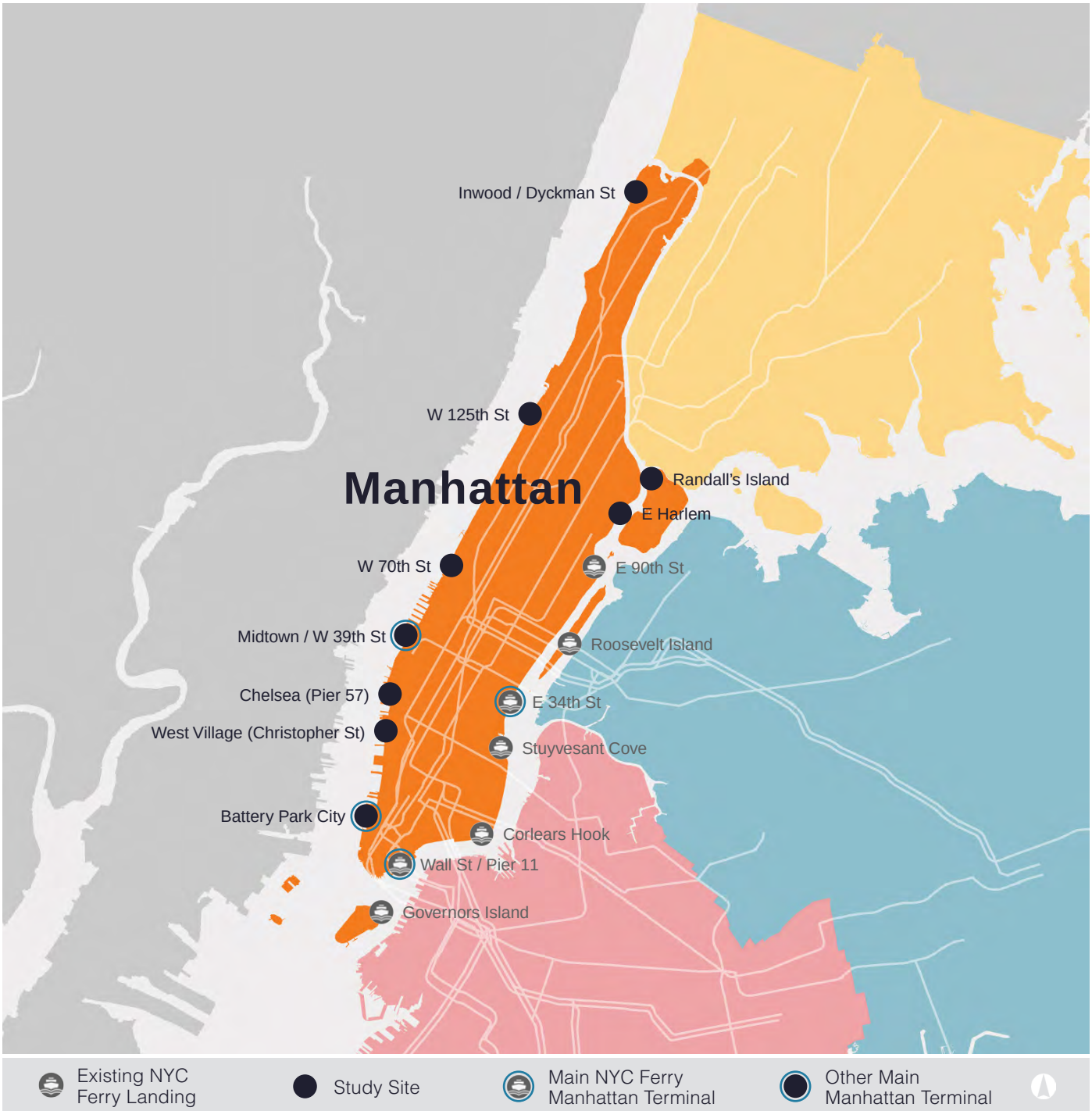
BROOKLYN

Building upon the existing landings along the East River within Brooklyn, the most frequent request from elected officials and community members was to extend service to southern portions of Brooklyn. Support from elected officials and members of the public led to the analysis of seven Brooklyn sites in this study: Gowanus, Bush Terminal, Bath Beach, Coney Island (creekside and oceanside), Sheepshead Bay / Manhattan Beach, and Canarsie Pier.



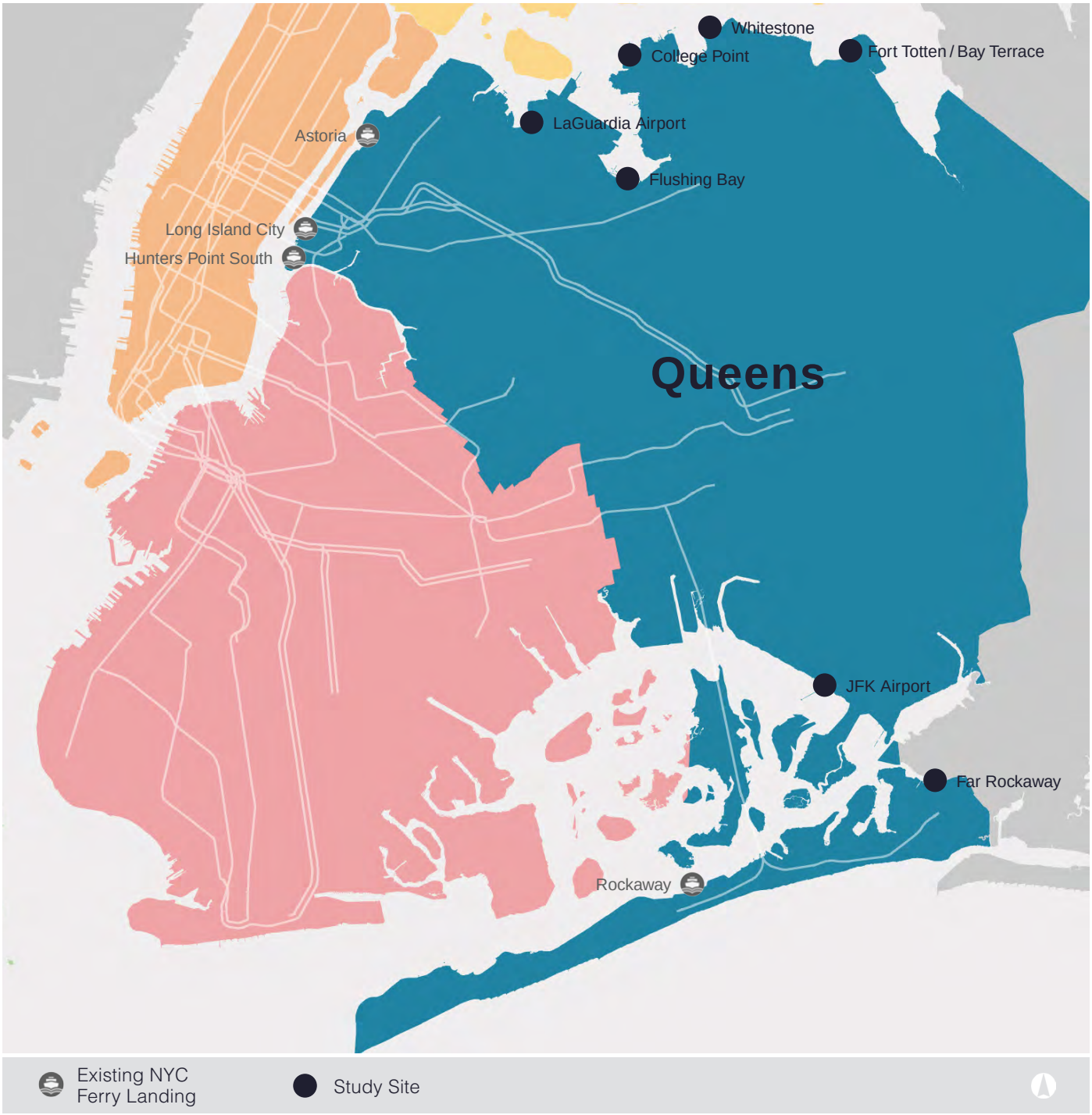
MANHATTAN

Manhattan's existing NYC Ferry routes and landings are all located along the East River. This study expanded its focus to include the west side of Manhattan along the Hudson River, as well as two sites in the northern portion of the East River. Support from elected officials and members of the public led to the analysis of seven Manhattan sites in this study: Chelsea, East Harlem, Inwood, Randall's Island, the West Village, West 70th Street, and West 125th Street. The existing commuter ferry terminals on the Hudson River at Battery Park City and Midtown / West 39th Street were also included in the study as other destination points for Lower and Midtown Manhattan. The main existing ferry terminals in Lower and Midtown Manhattan are detailed in Appendix A: Existing Ferry Terminals in NYC.



QUEENS

Current NYC Ferry landings in Queens are concentrated in the western part of the borough along the East River and in the Rockaways. Community members and elected officials requested consideration of sites in northeastern Queens: Fort Totten / Bay Terrace, Whitestone, College Point, Flushing Bay, and LaGuardia Airport. Seven sites were analyzed in total, the five from northeast Queens, plus Far Rockaway and at JFK Airport in Jamaica Bay.



STATEN ISLAND

NYC Ferry does not currently connect with Staten Island, and apart from the Staten Island Ferry (operated by the New York City Department of Transportation), many Staten Island communities have limited transit options and long travel times to Manhattan. Support from elected officials and members of the public led to the analysis of seven Staten Island sites and geographic areas in this study: Great Kills Park, St. George, Stapleton, Tottenville, the West Shore, Prince's Bay, and New Dorp Beach / Midland Beach.



SITE ASSESSMENT 4

After gathering the list of 35 sites to consider, the planning team evaluated the sites to assess their potential for successful integration into the NYC Ferry system. The team also revisited some sites analyzed in previous NYCEDC ferry studies, to assess any changes in growth patterns or community needs. This chapter includes a summary of these findings, while Appendices B and C provide the detailed profile for each site reviewed.

STUDY SITES

The Bronx

- City Island / Orchard Beach
- Ferry Point Park / Throgs Neck
- Yankee Stadium
- Mott Haven
- Co-op City

Queens

- College Point
- Fort Totten / Bay Terrace
- LaGuardia Airport
- Flushing Bay
- Whitestone
- JFK Airport
- Far Rockaway

Manhattan

- West 70th Street
- West 125th Street
- Inwood / Dyckman Street
- Randall's Island
- East Harlem
- Chelsea (Pier 57)
- West Village (Christopher St)
- Battery Park City
- Midtown / West 39th Street

Staten Island

- St. George
- Stapleton
- Great Kills Park
- Tottenville
- Prince's Bay
- New Dorp Beach / Midland Beach
- West Shore Staten Island

Brooklyn

- Coney Island Creek
- Canarsie Pier
- Bush Terminal
- Sheepshead Bay
- Bath Beach
- Coney Island Beach
- Gowanus

STAGE 1

The planning team screened **35** sites for physical limitations and environmental factors that could limit safe passage of a vessel and would be difficult to overcome. Insufficient water depths and low clearance bridge are examples of major physical limitations that resulted in nine sites being screened out at this stage.

Coney Island Beach, Gowanus, Far Rockaway, JFK Airport, Co-op City, the sites on the south and east shores of Staten Island (except Great Kills Park), and the west shore of Staten Island each had physical or operational challenges that made it dangerous or infeasible to provide ferry service at these locations. More details about these sites and their limitations can be found in Appendix B. Following the Stage 1 assessment, the planning team moved 26 sites forward to Stage 2.

SITE ASSESSMENT

A multi-step ferry transportation study assesses many factors to identify a potential landing site. The planning team used a screening process to determine which sites advanced to route profile development.

STAGE 2

The planning team carried **26** sites forward to the next stage, which included review of several factors that are key to a successful ferry service. These factors indicate if there would be fundamental demand from the surrounding neighborhood for regular ferry service and a reason for riders to choose ferries over their current transit option.

Neighborhoods with limited transit options or current commutes that require multiple transfers to reach the central business districts (CBDs) in Manhattan have the potential for ridership if the ferry trip time is shorter or offers other conveniences. Study sites were evaluated based on the existing transit options in the neighborhood, whether ferry service would provide faster access to Manhattan's CBDs, and the physical feasibility of constructing a landing in that area. Specific factors include:

Site conditions
Physical attributes, upland access, adjacent uses, and property ownership

Navigational considerations
Water depths, bridge clearance heights, adequate area for vessels to maneuver, and knowledge of underwater obstructions

Potential for ridership
Number of people traveling to and from the study area based on population and employment density, as well as commuter and recreational travel patterns

Travel time
Sailing time for a potential ferry route and existing transit time in the study area

Terminal Infrastructure needs
Capital cost estimates, permitting and planning requirements, approvals, and timeframe

Neighborhood characteristics
Residential density, transit options, other attractions near the site, and likely access mode to the ferry site (walk, bike, drive/park, etc.)

Planned growth
Development projects in the vicinity of the study site

Based on how the study sites met these criteria, the study team moved sites with more potential for success into route pairings. The factors that contributed to study sites screened out in this stage are in the following table, and site profiles summarizing the findings are included in Appendix C.

SITE ASSESSMENT

Table of Sites Screened out in Stage 2

	Ferry similar or slower than existing transit to Manhattan	Relatively good existing transit provision	Potential navigational, constructibility or upland concerns	Low number of people living within a 10 minute walk of landing	Lower number of commuters to Manhattan	Overall expectation of low ridership
City Island / Orchard Beach			● *	● *	●	●
Yankee Stadium	●	●				●
Canarsie Pier	●	●	●	●		●
Bush Terminal		●			●	●
Sheepshead Bay	●				●	●
West 125th Street	●	●				●
Inwood / Dyckman Street	●	●				●
Randall's Island				●	●	●
East Harlem	●	●				●
West Village (Christopher Street)	●	●				●
Fort Totten / Bay Terrace			●	●	●	●
LaGuardia Airport	●	●	●	●		●
Flushing Bay	●	●	●	●		●
Whitestone			●		●	●
Tottenville	●		●		●	●

* only applies to Orchard Beach

STAGE 3

11 sites with potential to provide a faster commute to the primary job centers in Manhattan from neighborhoods with limited transit options and without insurmountable physical or navigational challenges moved forward to be tested in new or modified route configurations. These sites included:

- Ferry Point Park / Throgs Neck (Bronx)
- Coney Island Creek (Brooklyn)
- Bath Beach (Brooklyn)
- West 70th Street (Manhattan)
- Chelsea (Manhattan)
- Battery Park City (Manhattan)
- Midtown / West 39th Street (Manhattan)
- College Point (Queens)
- St. George (Staten Island)
- Stapleton (Staten Island)
- Great Kills Park (Staten Island)

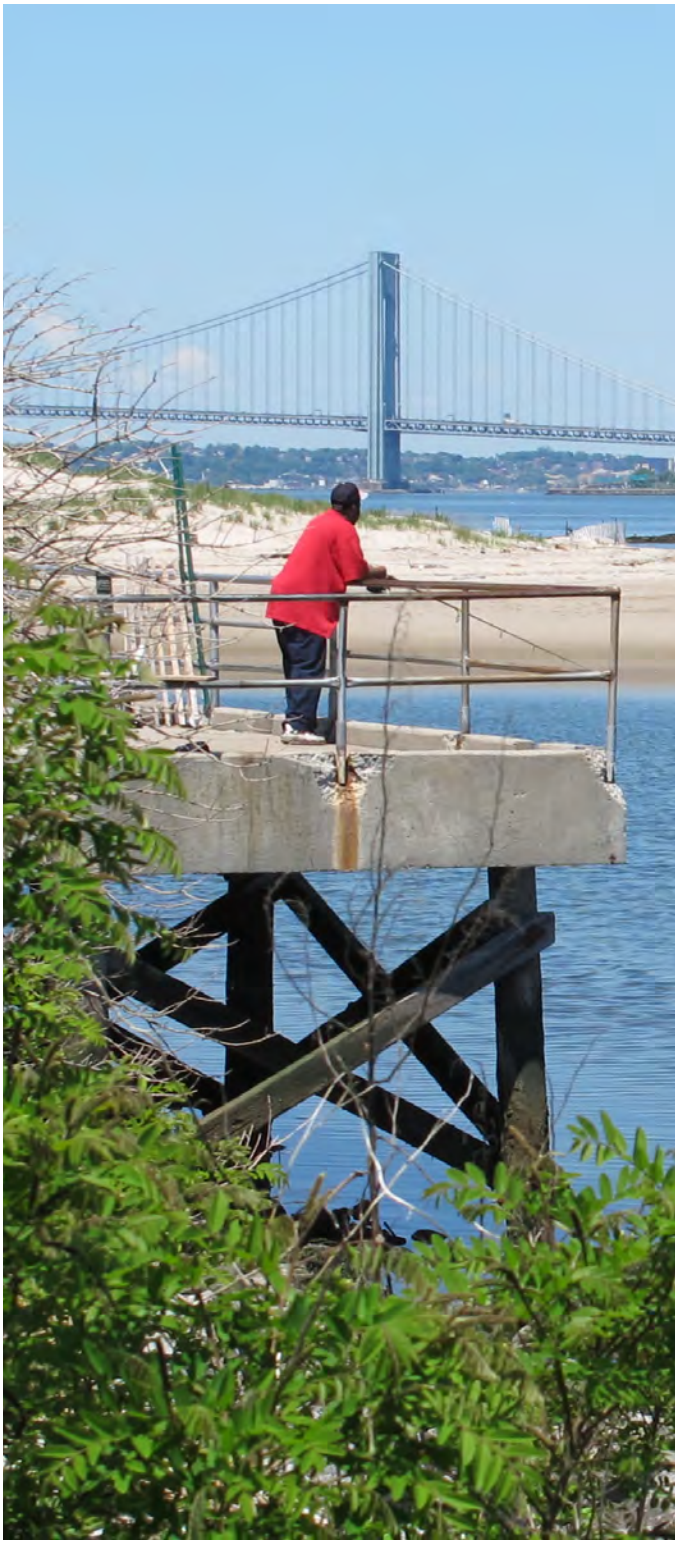
Site Assessment Findings

	STAGE 1	STAGE 2	STAGE 3	STUDY SITES FOR ROUTE EVALUATION
THE BRONX	City Island / Orchard Beach	City Island / Orchard Beach		The **Ferry Point Park / Throgs Neck** area has limited transit options. A ferry would provide another transit option with competitive travel times to Lower and Midtown Manhattan for neighboring communities.
	Ferry Point Park / Throgs Neck	Ferry Point Park / Throgs Neck	Ferry Point Park / Throgs Neck	
	Yankee Stadium	Yankee Stadium		
	Mott Haven			
	Co-op City			
BROOKLYN	Coney Island Creek	Coney Island Creek	Coney Island Creek	**Coney Island Creek** could provide a faster transit alternative to Manhattan for the local community in an isolated part of the peninsula. A ferry landing at **Bath Beach** could provide the adjacent neighborhoods with more transit options when traveling to Lower and Midtown Manhattan.
	Canarsie Pier	Canarsie Pier		
	Bush Terminal	Bush Terminal		
	Sheepshead Bay	Sheepshead Bay		
	Bath Beach	Bath Beach	Bath Beach	
	Coney Island Beach			
	Gowanus			
MANHATTAN	West 70th Street	West 70th Street	West 70th Street	The **West 70th Street** site is adjacent to high-density residential buildings, offering an alternative to the subway to Lower and Midtown Manhattan. **Chelsea** could provide another transit option to an area experiencing rapid growth. Pier 57 is currently being redeveloped as commercial space, and a ferry landing could provide access to jobs at this location. This site is also within walking distance of the popular High Line Park. **Battery Park City** and **Midtown / West 39th Street** are existing ferry terminals that connect to jobs in Lower and Midtown Manhattan on the west side.
	West 125th Street	West 125th Street		
	Inwood / Dyckman Street	Inwood / Dyckman Street		
	Randall's Island	Randall's Island		
	East Harlem	East Harlem		
	Chelsea (Pier 57)	Chelsea (Pier 57)	Chelsea (Pier 57)	
	West Village (Christopher Street)	West Village (Christopher Street)		
	Battery Park City	Battery Park City	Battery Park City	
	Midtown / West 39th Street	Midtown / West 39th Street	Midtown / West 39th Street	
QUEENS	College Point	College Point	College Point	A ferry from **College Point** could provide a faster trip to Lower and Midtown Manhattan for communities adjacent to the landing in another isolated part of the city with fewer public transit options.
	Fort Totten / Bay Terrace	Fort Totten / Bay Terrace		
	LaGuardia Airport	LaGuardia Airport		
	Flushing Bay	Flushing Bay		
	Whitestone	Whitestone		
	JFK Airport			
	Far Rockaway			
STATEN ISLAND	St. George	St. George	St. George	**St. George** Ferry Terminal is a multimodal hub that connects all of Staten Island to Manhattan via the Staten Island Ferry. NYC Ferry could provide travel time savings for passengers traveling to the west side of Lower Manhattan or Midtown Manhattan. A landing in **Stapleton** could provide a faster alternative for those in the neighborhood traveling to Manhattan. The site offers a connection to the Staten Island Railroad and proximity to the New Stapleton Waterfront development. A landing at **Great Kills Park** could provide a faster trip for neighborhoods within a short driving distance of the park.
	Stapleton	Stapleton	Stapleton	
	Great Kills Park	Great Kills Park	Great Kills Park	
	Tottenville	Tottenville		
	New Dorp Beach / Midland Beach			
	Prince's Bay			
	West Shore			

ROUTE DEVELOPMENT AND EVALUATION

5

The planning team grouped sites with higher ridership potential into geographic regions to identify potential new routes or additions to existing routes nearby. Once route options were developed, the next step in evaluating the potential for new or modified routes was to develop profiles for route configurations and forecast ridership demand.



GEOGRAPHIC REGIONS

The planning team took the sites with the highest potential and combined them into routes to test, grouped into three geographic regions:

Staten Island – Hudson River

The Staten Island – Hudson River region covers routes to and from Staten Island as well as along the Hudson River. To avoid duplicating the service from Staten Island to Wall Street / Pier 11 that exists with the Staten Island Ferry Whitehall Terminal, as well as to explore routes on the west side of Manhattan, Battery Park City was assumed to be the main Lower Manhattan ferry terminal. Midtown / West 39th Street was assumed as the main Midtown Manhattan terminal.

Southern Brooklyn

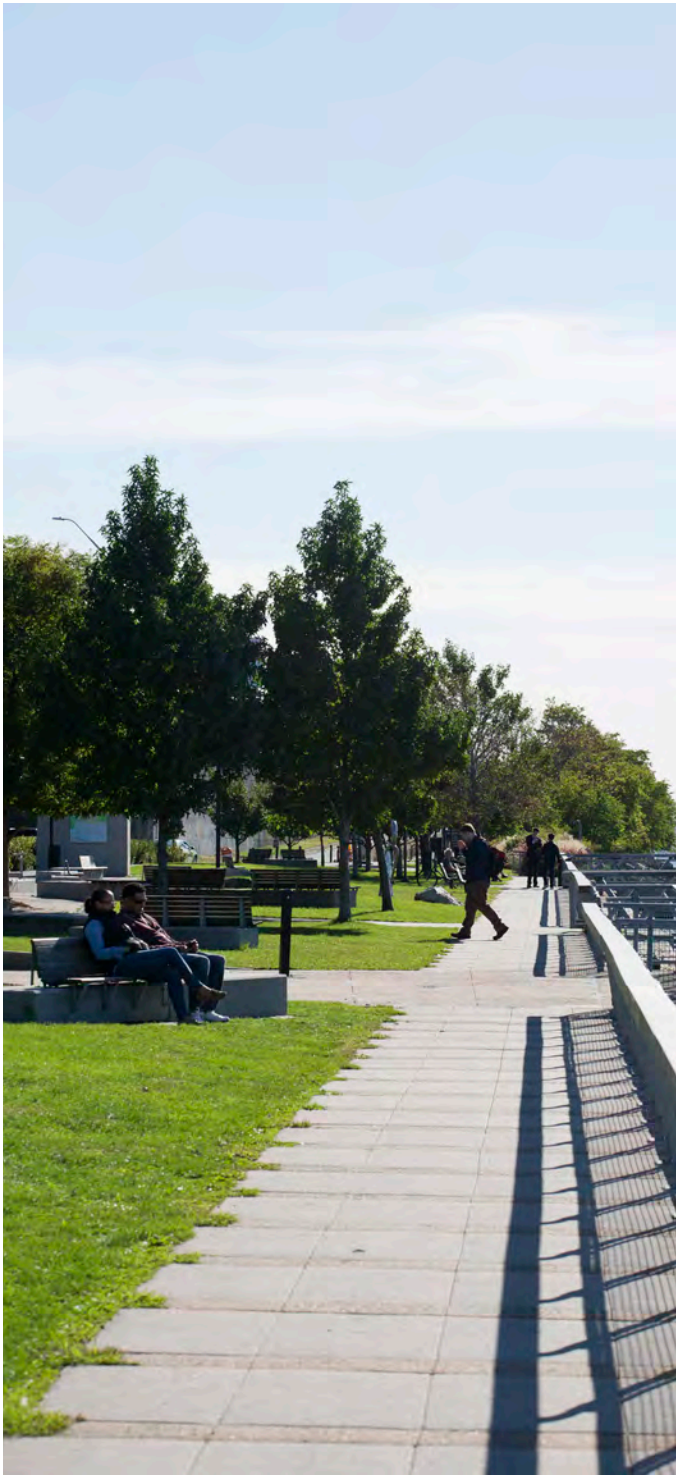
The Southern Brooklyn region covers new landings in Brooklyn that are south and east of the current Bay Ridge landing. These routes assumed Wall Street / Pier 11 as the main Manhattan terminal.

Upper East River

The Upper East River region covers sites in northern Queens and the eastern side of the Bronx. Based on geographic location and travel time, Wall Street / Pier 11 was chosen as the main Lower Manhattan ferry terminal and East 34th Street was chosen for the main Midtown Manhattan terminal.

ROUTE DEVELOPMENT AND EVALUATION

The characteristics that define a route are interrelated and interconnected, with a change in one aspect typically affecting one or more of the others. For example, if sailing frequencies changed, the number of vessels needed to deliver service, ridership demand forecasting, and the operating costs would shift to correspond with the adjusted route.



ROUTE DEVELOPMENT

For each region, the planning team developed several route profiles to test, compare, and evaluate. The route combinations adhered to current NYC Ferry route policies, such as the number of sailings per hour in peak periods and daily, year-round service. Each route profile included the following properties:

Level of service

Number of hours of service varying by day of the week and season.

Route travel times

Distance traveled and vessel speeds between each potential landing site, along with dwell time needed for passenger loading and unloading.

Frequency

How often a ferry would depart from the potential landing site.

Number of vessels

Number of vessels necessary to deliver desired route sailing frequency given total trip time. Service that is more frequent or a route that has high peak ridership could require more vessels to meet the demand.

ROUTE DEVELOPMENT AND EVALUATION

ROUTE EVALUATION

The route profiles provided the number of stops along a route, the frequency of service, the number of required vessels, and the annual operating hours required for that service. These characteristics in turn informed ridership demand forecasting and cost estimates, which fed into the evaluation of the routes:

Ridership

Demand modeling to determine how many people might shift from their current transportation mode (bus, subway, car, etc.) to a ferry for work trips to Lower or Midtown Manhattan. Appendix D contains more details on the technical approach, assumptions, and findings. The ridership model incorporates variables such as:

Travel patterns to Manhattan

The number of people traveling from the potential ferry landing to areas of Manhattan and the purpose of their trips.

Current transit options and cost

Available transit, frequency and cost of the trip for people traveling to Manhattan.

Forecast growth

Projected housing and commercial growth near the potential ferry landing.

Travel time competitiveness

Compared to existing transit, whether the ferry route saves commuters time to reach their destinations.

Capital costs

The number of vessels and landings required to provide a peak service frequency aligned with the current NYC Ferry system, and the landing infrastructure required for ferry service.

Operating costs

Operating costs based on the projected service hours and operating hours of the vessels needed for that route.

Implementation time

The time necessary to implement a new route including design, permitting, and construction, as well as the needed vessel acquisition timeline.

Community benefits

Community interest and opportunities a ferry would provide the neighborhood.

Challenges

Level of risk tied to a specific route associated with potential operational challenges.

The summaries of the route findings for each region are in Chapter 6: Route Findings.





ROUTE FINDINGS 6

The route findings were a culmination of efforts—from the initial community input and data gathered for the site profiles, to the ridership projections and cost estimates that accompanied each route configuration. Each step in the process provided the planning team with information to assess the viability of potential routes. The site combinations reviewed for each region included:

STATEN ISLAND – HUDSON RIVER

- St. George > Battery Park City > Midtown / West 39th Street
- Stapleton > Battery Park City > Midtown / West 39th Street
- St. George > Battery Park City > Midtown / West 39th Street > West 70th Street
- St. George > Battery Park City > Chelsea (Pier 57) > Midtown / West 39th Street
- Great Kills > Battery Park City > Midtown / West 39th Street

SOUTHERN BROOKLYN

The route combination explored for the Southern Brooklyn route included the Coney Island Creek and Bath Beach landing sites. Routes variations tested by the planning team include:

- Coney Island Creek > Bay Ridge > Wall Street / Pier 11
- Coney Island Creek > Bath Beach > Bay Ridge > Wall Street / Pier 11

UPPER EAST RIVER

Sites within the Upper East River region included Ferry Point Park / Throgs Neck and College Point. Based on proximity to the existing Soundview route, the study team evaluated these sites as possible additions to the Soundview route. The routes evaluated include:

- Ferry Point Park / Throgs Neck > Soundview > East 90th Street > East 34th Street > Wall Street / Pier 11
- College Point > Soundview > East 90th Street > East 34th Street > Wall Street / Pier 11



STATEN ISLAND – HUDSON RIVER

New Yorkers have expressed consistent interest in another ferry route from Staten Island to Manhattan and along the Hudson River. For many people in Staten Island, NYC Ferry could provide a faster alternative to current transportation options to other areas like Midtown Manhattan. Along the Hudson River, many Manhattan neighborhoods have good access to the subway, but a ferry would provide an additional means of transportation.

The planning team looked at five route combinations for the Staten Island – Hudson River region, with each including a stop at Lower Manhattan (Battery Park City) and Midtown Manhattan (Midtown / West 39th Street). Routes from Staten Island have higher projected ridership estimates than other routes forecast in this study. The route combinations evaluated for the Staten Island-Hudson River region included:

SI-A: St. George > Battery Park City > Midtown / West 39th Street

SI-B: Stapleton > Battery Park City > Midtown / West 39th Street

SI-C: St. George > Battery Park City > Midtown / West 39th Street > West 70th Street

SI-D: St. George > Battery Park City > Chelsea (Pier 57) > Midtown / West 39th Street

SI-E: Great Kills > Battery Park City > Midtown / West 39th Street



STATEN ISLAND – HUDSON RIVER

Of the route variations considered, SI-A has high projected ridership, and would save commuters travel time (compared to current transit). Given that it connects with existing ferry terminals, the implementation timeframe for this route is among the quickest. A Stapleton route (SI-B) could provide travel time savings over existing transit, but this route is projected to have fewer riders than a route from St. George. Routes with additional stops in Manhattan (options SI-C and SI-D) entail higher capital costs and higher annual operating costs, with less benefit per projected rider when compared to option SI-A. A ferry route from Great Kills (SI-E) would have the least amount of ridership of the options tested, require more capital investment compared to a route from St. George, and have very high operating costs due to the long distance. The following table provides a summary of the route characteristics for the five routes evaluated.

	Ridership	Travel Time Savings	Vessels Required	Capital Cost	Operating Cost	Community Benefits	Challenges
SI - A	~2.0 M	~20 min	4	$44 M	$13 M	• Faster transit option to Midtown	• Requires agreement with NYCDOT, NYWW, PANYNJ
SI - B	~1.5 M	~30 min	4	$54 M	$13 M	• Connects to new development	• Exposure to weather, lack of transit connectivity/parking • Requires agreement with NYWW, PANYNJ
SI - C	~2.0 M	~20 min	5	$62 M	$14 M	• Another transit option along Hudson	• Limited ridership increase compared to SI-A • Requires agreement with NYCDOT, NYWW, PANYNJ
SI - D	~1.8 M	~20 min	5	$62 M	$14 M	• Connects future development at Chelsea	• Less ridership than SI-A • Requires agreement with NYCDOT, NYWW, PANYNJ
SI - E	~0.5 M	~10 min	6	$50 M	$13 M*	• Provides mid-Staten Island transit option	• Lowest ridership route, driving access time into Great Kills Park challenging • Requires agreement with NPS, NYWW, PANYNJ

Notes

Ridership is the estimated annual ridership based on level of service
Travel time savings is estimated average travel time savings potential to Lower and Midtown Manhattan
Number of vessels required includes one spare vessel
Capital costs are estimated based on rough order of magnitude and estimated in 2018 dollars
Operating costs would occur annually and estimates are presented in 2018 dollars

*Despite operating more vessels, operating costs are similar to other routes due to operating smaller vessels.

STATEN ISLAND – HUDSON RIVER

The St. George > Battery Park City > Midtown / West 39th Street route is projected to serve the most people for the lowest operating costs of the Staten Island – Hudson River routes. The St. George Ferry Terminal provides transit connections from all areas of Staten Island and could provide a travel time savings for people traveling to Lower and Midtown Manhattan.

St. George > Battery Park City > Midtown / West 39th Street



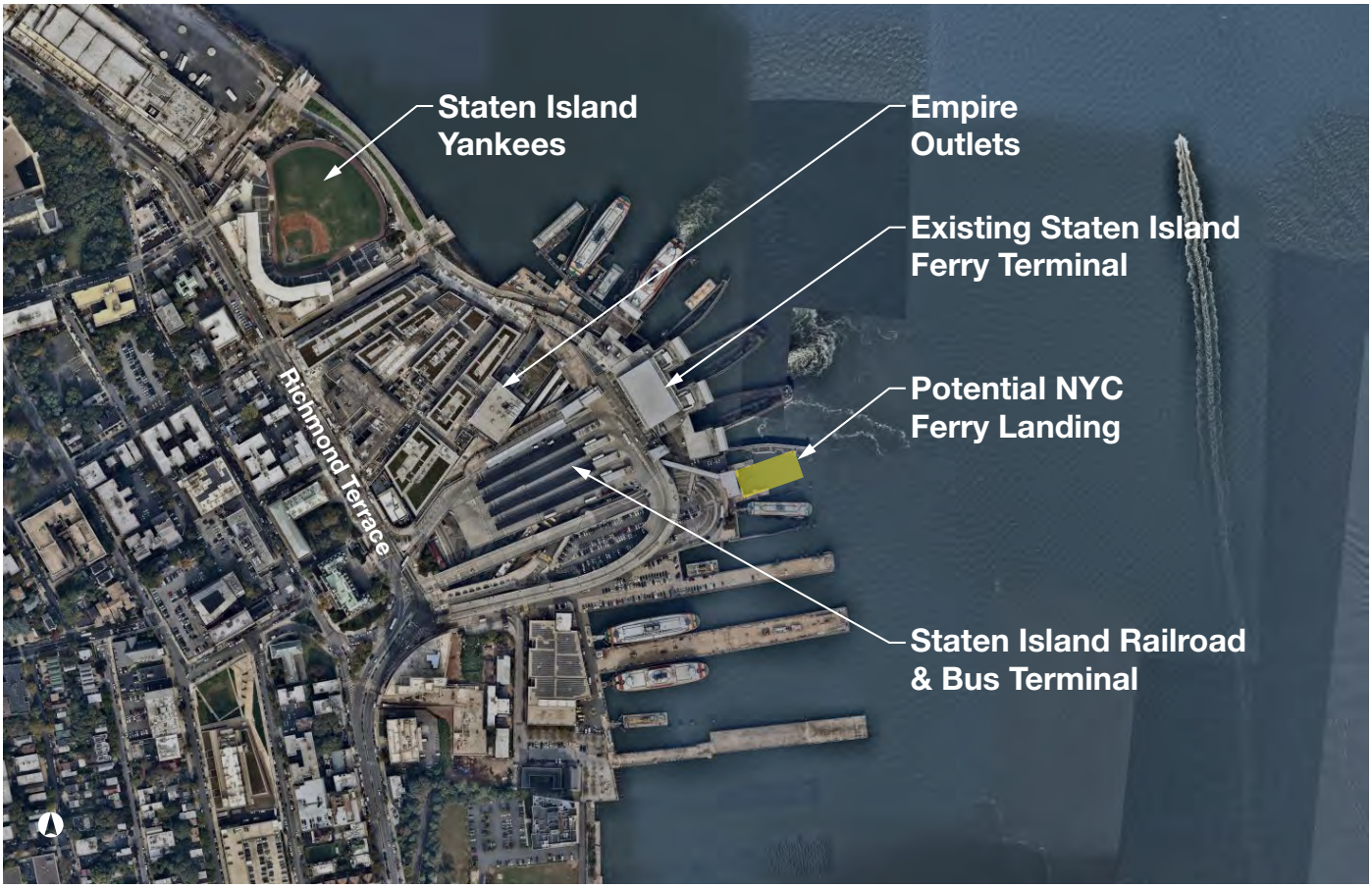
STATEN ISLAND – HUDSON RIVER

CAPITAL INVESTMENTS

New Terminal Facilities

Facility improvements would be required at St. George that include installing a barge in an existing ferry slip (Slip 7). Other required improvements include passenger waiting and queuing space, security integration, signage, wayfinding, and ticketing facilities.

St. George Ferry Terminal



Vessels

Based upon the ridership demand forecast, 350-passenger-capacity vessels would be required to meet demand. Peak times of year may require additional vessel service.

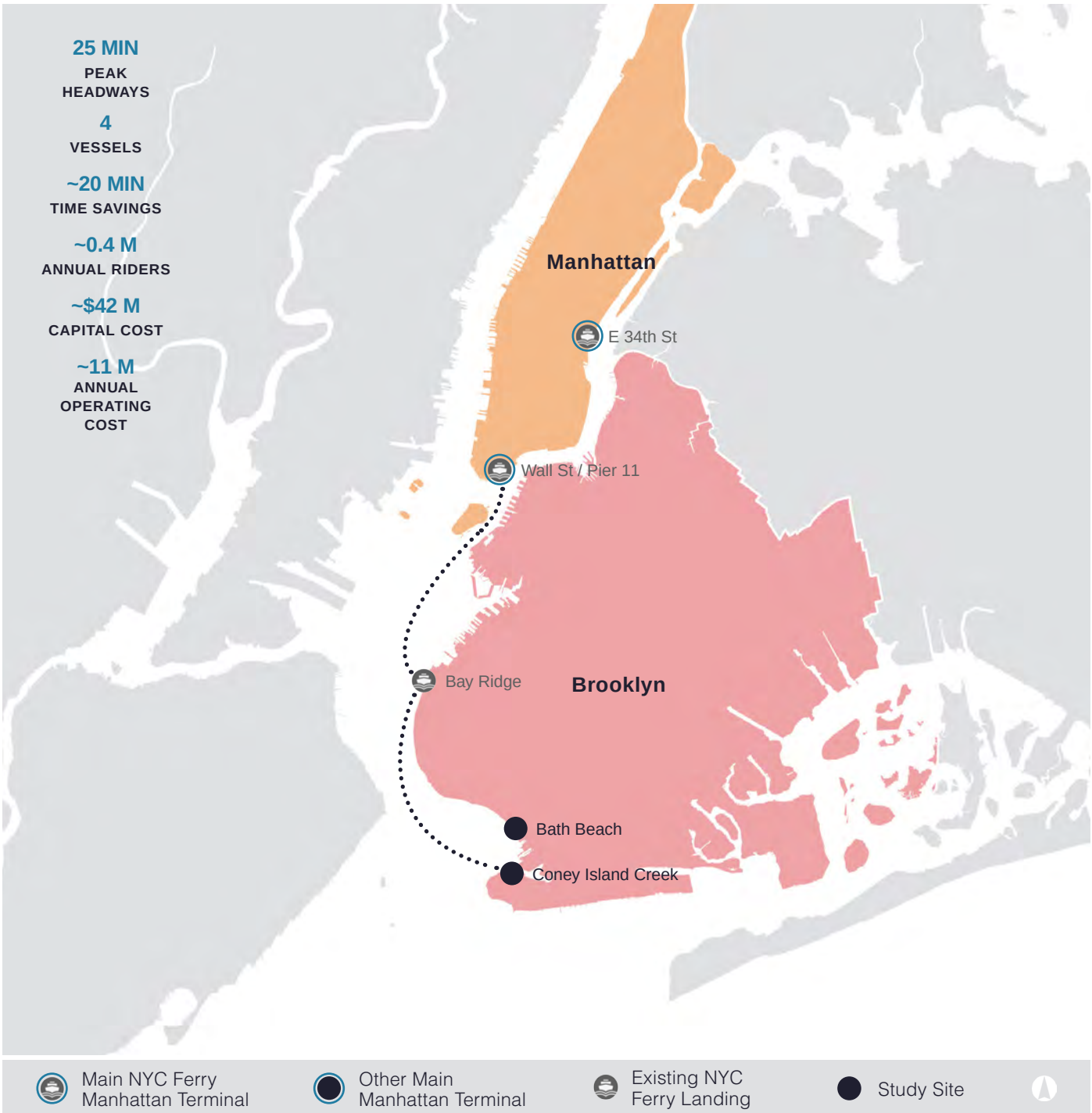
IMPLEMENTATION CONSIDERATIONS

Prior to implementing service, NYC Ferry would have to execute an operating agreement with NYCDOT to gain access to the St. George terminal. Additionally, NYC Ferry currently does not operate from the Battery Park City or Midtown / West 39th Street terminals, and agreements with New York Waterway and the Port Authority of New York and New Jersey would be required. In-water infrastructure and upland improvements would need to be designed, permitted, and constructed prior to implementation.

SOUTHERN BROOKLYN

Of Brooklyn study sites, Coney Island Creek and Bath Beach were carried forward to route profile development. A Coney Island route via Bay Ridge could provide another transportation option supporting resiliency and redundancy in the network as well as improving access to economic opportunities around New York City. A variation of this route added Bath Beach as well, but the time travel savings for that site on this route was less competitive with existing transit, and weather exposure at this site added to concerns over safe and reliable service.

Coney Island Creek > Bay Ridge > Wall St / Pier 11



SOUTHERN BROOKLYN

CONEY ISLAND CREEK > BAY RIDGE > WALL STREET / PIER 11

A Coney Island Creek route could offer significant travel time savings to the Coney Island community, with a 35 minute ferry ride to lower Manhattan. This landing would serve approximately 7,000 residents within a half mile area, including 4,000 NYCHA residents.

If the existing Bay Ridge stop moved from the South Brooklyn to the Coney Island route, Bay Ridge riders would enjoy an even faster (15-minute) trip directly to Wall Street / Pier 11. Coupled with this change is an opportunity to further modify the existing South Brooklyn route, shortening the number of landings by removing Bay Ridge and DUMBO (which is well-served by the East River route). These modifications would reduce the travel times for all passengers traveling on the South Brooklyn route to Lower Manhattan, smooth out operations at DUMBO (one of the most congested landings), and reduce operational expenses on the South Brooklyn route.

Challenges

- Shifting sands and potential dredging for reliable waterside access

Community Benefits

- Improves transit options

CAPITAL INVESTMENTS

Coney Island Creek Site

Potential landing sites at Coney Island Creek have challenges with distribution of sand to the west of the sandspit and the width of entry to the creek. Both present operational risks that will need careful consideration to mitigate during any design and planning phase.



Vessels

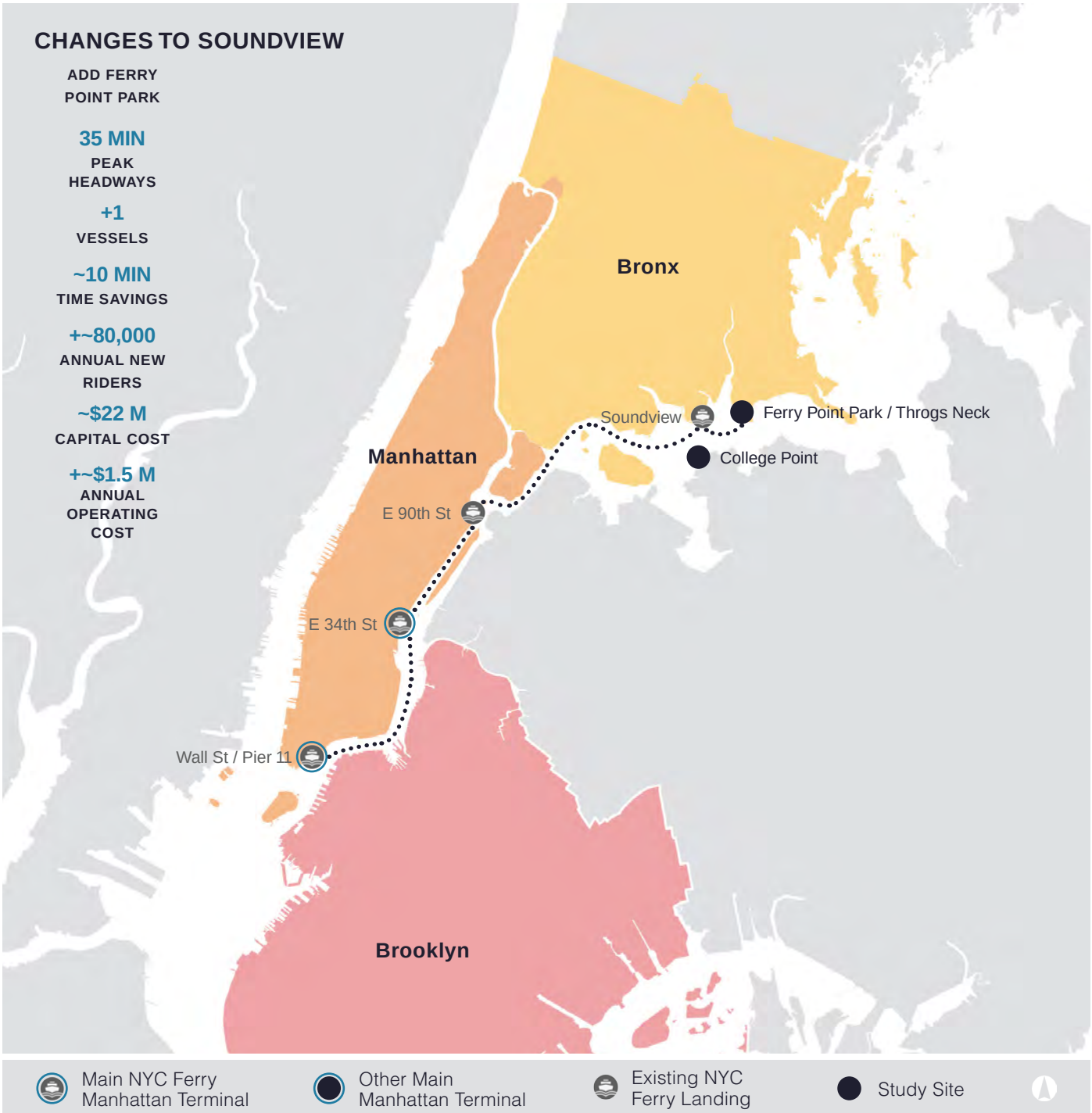
Based on the ridership demand forecast, 150-passenger vessels would likely be sufficient to meet demand for most times of the year. Summer weekends may bring an increase in recreational trips and larger vessels may be needed on occasion.

IMPLEMENTATION CONSIDERATIONS

A landing at Coney Island Creek presents operational risks and is a challenge to design, likely requiring higher maintenance costs due to the dynamic coastal environment. Careful design and planning are required to determine the exact siting during an implementation stage.

UPPER EAST RIVER

Building off the success of the Soundview and Astoria routes, communities in the Bronx and northern Queens have requested additional sites to serve their neighborhoods. Many people commuting from the Bronx and northern Queens experience long transit times to Manhattan. A ferry would provide another option to reach these communities, support economic growth, and provide travel time savings. The two sites that were most feasible from a physical and ridership perspective were Ferry Point Park / Throgs Neck in the Bronx and College Point in Queens. Due to the proximity to the existing Soundview landing, the planning team assessed these sites as modifications to the Soundview route.



SOUNDVIEW ROUTE MODIFICATION OPTIONS

The addition of either Ferry Point Park / Throgs Neck or College Point would not change the travel time for passengers from Soundview to Manhattan. The operating costs are similar at either location. College Point would need a longer ~400-foot pier (and therefore likely higher capital investment) to construct a landing with sufficient water depths. Projected annual ridership from Ferry Point Park is nearly 10,000 more than projections for College Point. Ferry Point Park / Throgs Neck was also the most requested site for study from the Bronx during the public engagement process.

Based on the limited parking options, and water depth challenges, at College Point, the Ferry Point Park / Throgs Neck addition to the Soundview route is preferable from a planning perspective.

FERRY POINT PARK / THROGS NECK

Challenges

- No residential units within walking distance, and requires park-and-ride with an approximate 1/3 mile walk through the park from the parking lot to the landing site

Community Benefits

- Another transit option for the Bronx

CAPITAL INVESTMENTS

Ferry Point Park / Throgs Neck

Ferry Point Park was reviewed as the potential landing site. There is currently no ferry infrastructure in Ferry Point Park and facilities would need to be constructed. The landing would be a short walk from the parking area.



Vessels

Based on the ridership demand forecast, one additional vessel added to the existing Soundview route would likely be sufficient to meet demand for most travel periods.

IMPLEMENTATION CONSIDERATIONS

Either site would require an agreement with the Department of Parks and Recreation. Ferry Point Park would require improvements to pathways in the park and improvements to the parking area to support commuter parking. Additionally, the in-water infrastructure and upland improvements would need to be designed, permitted and constructed prior to implementation.



LOOKING AHEAD 7

This feasibility study provides options for service expansion in the near term along with capital investments anticipated for those possibilities. However, prior to the expansion of NYC Ferry service, operational impacts of new service on existing terminal infrastructure, the existing fleet, and maintenance capabilities should be considered to ensure that NYC Ferry continues to provide safe, reliable service to its riders.

In the future, other important factors, such as closer assimilation into the MTA ticketing system and advancement of local urban development and revitalization projects, could improve the viability of some landing sites. Changes to ticketing could simplify the way passengers move between other transit and NYC Ferry. Additionally, planned projects along the waterfront could generate jobs and population growth that could increase demand for ferry service. In considering future route modifications, particular consideration should be given to emerging job clusters, including in the northern portion of Sunset Park where the Made in New York Campus is currently under development. In the event that service to the northern part of Sunset Park is established, it would likely be as a substitute for some service currently provided to the neighborhood at Brooklyn Army Terminal, to ensure the widest possible service coverage for residents and riders.

The following sections provide the next steps to assess the operational impacts of new routes prior to implementation, as well as future considerations for NYC Ferry.

SYSTEM-WIDE OPTIMIZATION

Similar to many transit modes, expansion of ferry service is not as simple as bringing on more vessels and improving or constructing a terminal. Prior to implementation, there are many operational factors to consider for the system as a whole, such as the number and size of vessels in the fleet and the capacity and configuration of terminal and maintenance infrastructure.

If a decision is made to expand current NYC Ferry service, service implementation planning is the next step. This planning provides an opportunity for system-wide optimization and resource planning for the fleet, landing site infrastructure, and operations to ensure safe and reliable service.

FLEET SIZE AND CONFIGURATION

Each ferry route is unique and serviced by vessels with characteristics that enable safe and reliable service that meets the desired schedule. While each route is unique, the ferry service is a system—treated holistically. This feasibility study provides a high-level estimate of the number of vessels needed to deliver service, but it is important to consider the optimum fleet composition for NYC Ferry as a whole. Assessing the optimum fleet composition requires a comprehensive analysis of the current fleet, anticipated frequency of service, projected ridership demand, and route conditions of new service to “right-size” the vessels for route demands, and performance expectations.

FERRY SYSTEM INFRASTRUCTURE

Terminal infrastructure plays a large role in the accessibility of passengers to and from the facility and the ability for vessels to load and unload passengers efficiently. As a result, terminal infrastructure is key to NYC Ferry maintaining a reliable service schedule. Some current NYC Ferry terminals at Wall Street / Pier 11, East 34th Street, and DUMBO already experience capacity challenges, which can lead to delays in service that often trickle throughout the day. Service expansion to these sites in particular should be reviewed to maintain reliable service. Ongoing review should focus on the assessment of schedules (landing and dwell times), terminal capacity (slip availability and assignments), and passenger queuing characteristics.

Another component to reliable ferry service is the ability to maintain vessels and terminal infrastructure as needed and reduce unplanned service interruptions. To do so, there must be the supporting maintenance infrastructure including spare vessels and a place to perform needed maintenance.

FUTURE CONSIDERATIONS

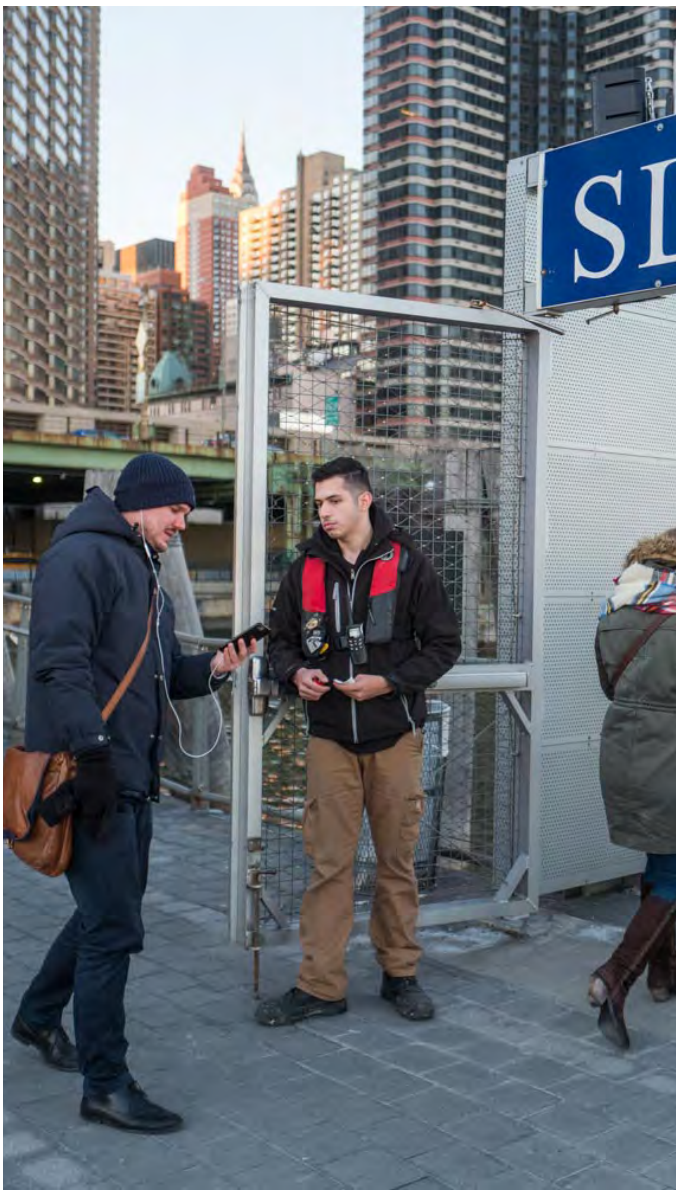
Future considerations for NYC Ferry include assessment of fare policies and fare acceptance to improve the passenger experience as well as conducting future studies as communities and neighborhoods grow and evolve.

TICKETING

Coordinating acceptance of fare types with other transit modes around the city can have many benefits: increased convenience to passengers by making transfers between modes easier; increasing ridership by making service more attractive to riders; and enhancing operational efficiencies at the terminal. While the benefits are undeniable, there are operational challenges with this integration, and the MTA is in the midst of rolling out a new fare payment system, retiring the legacy MetroCard over the next few years. NYC Ferry will continue to monitor developments in this area to determine if there could be synergy in the future.

FUTURE STUDIES

Many of the sites considered in this study are undergoing development expansions, and economic and population growth that could increase their viability as a future ferry expansion landing site. Additionally, emerging transportation technologies like autonomous vehicles and micro-transit options like electric scooters and bike share can increase accessibility to potential ferry landings. As NYC Ferry continues to grow, review of other options will continue.

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GLOSSARY

TERMS

Barge	Floating structure placed in the water for a vessel to tie-up while passengers load and unload.
Berth	A place for a vessel to tie-up.
CBD	The central business district is the commercial and business center of a city.
Fetch	The distance traveled by wind or waves across open water.
Jetty	Narrow structure that protects the coastline from currents and tides.
Landing	The ferry terminal facilities that includes a barge, gangway and pier where necessary.
Queue	The line where people wait to board the ferry.
Sandspit	Narrow point of sandy land projecting into the sea.

ACRONYMS

NOAA	National Oceanic and Atmospheric Administration
MTA	Metropolitan Transportation Authority
NYCDOT	New York City Department of Transportation
NYCEDC	New York City Economic Development Corporation
NYWW	New York Waterway
PANYNJ	Port Authority of New York & New Jersey
NYCHA	New York City Housing Authority

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NYC

APPENDICES

A – EXISTING FERRY TERMINALS IN NYC

B – STAGE 1 SITE PROFILES

C – STAGE 2 SITE PROFILES

D – RIDERSHIP DEMAND MODELING APPROACH


NYWATERWAY

EXISTING FERRY TERMINALS IN NYC

A

EXISTING FERRY TERMINALS IN NYC

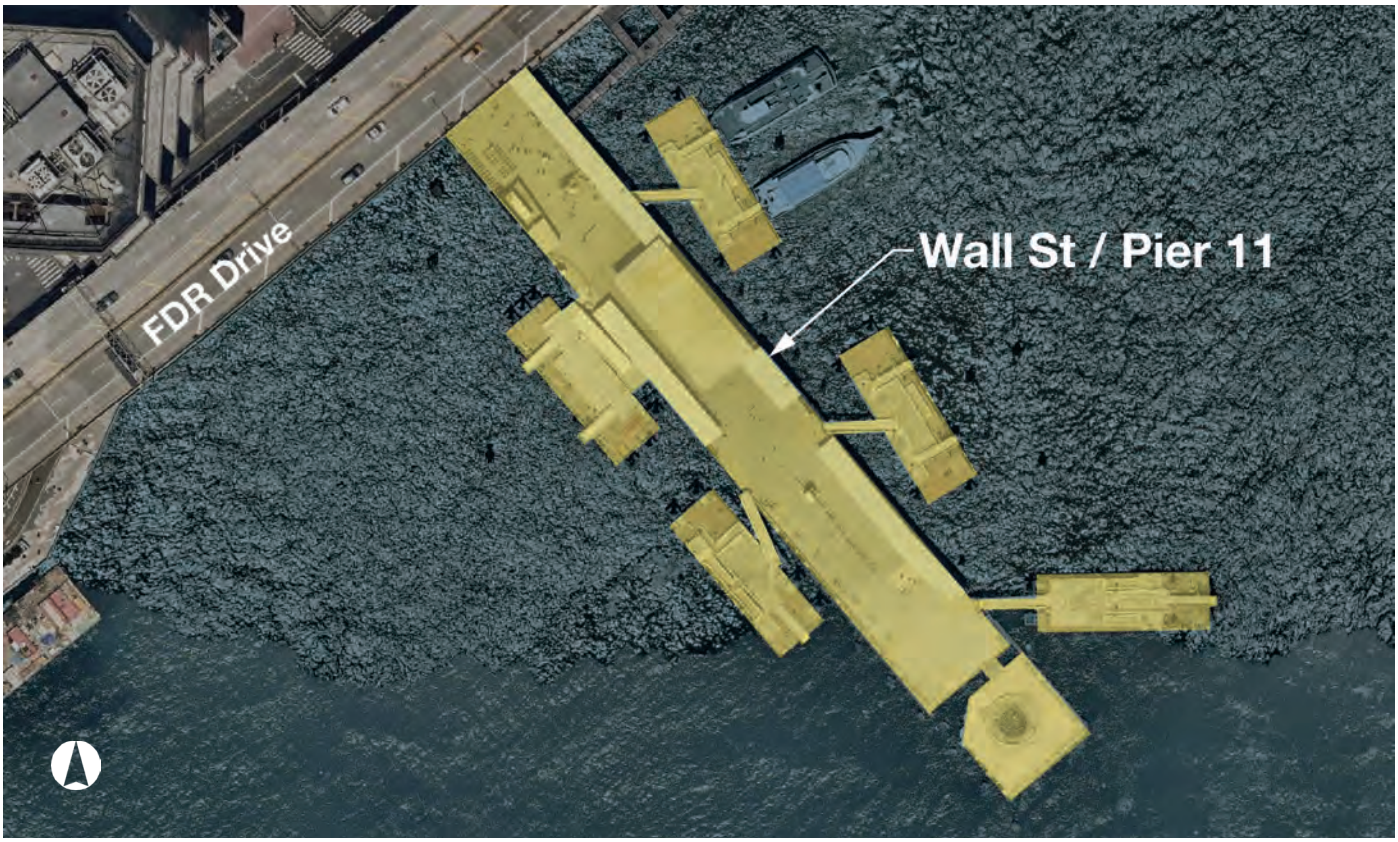
The majority of jobs in NYC are located in Manhattan. However, many people working in Manhattan live in surrounding boroughs and commute to and from work. There are four ferry terminals in NYC located in Lower Manhattan and Midtown Manhattan that connect people to these jobs. NYC Ferry currently operates from Wall Street / Pier 11 and East 34th Street whereas the Battery Park City Terminal and Midtown / West 39th Street are used by other operators.

WALL STREET / PIER 11

Pier 11 is in Lower Manhattan, located at the end of Wall Street. The pier is used by several ferry operators and is the epicenter of NYC Ferry operation as all routes terminate here. The landing primarily serves commuters traveling to the Financial District in the morning and departing in the afternoon. The East River Waterfront Esplanade and bike path run along the waterfront in the vicinity of the landing. The number of ferry operators using Pier 11, the frequency of landings, and the volume of riders queuing on the pier are nearing the capacity of this important ferry terminal. Additional ferry service at this terminal may require further capital improvements to expand capacity.

5 OPERATORS

7 FERRY SLIPS



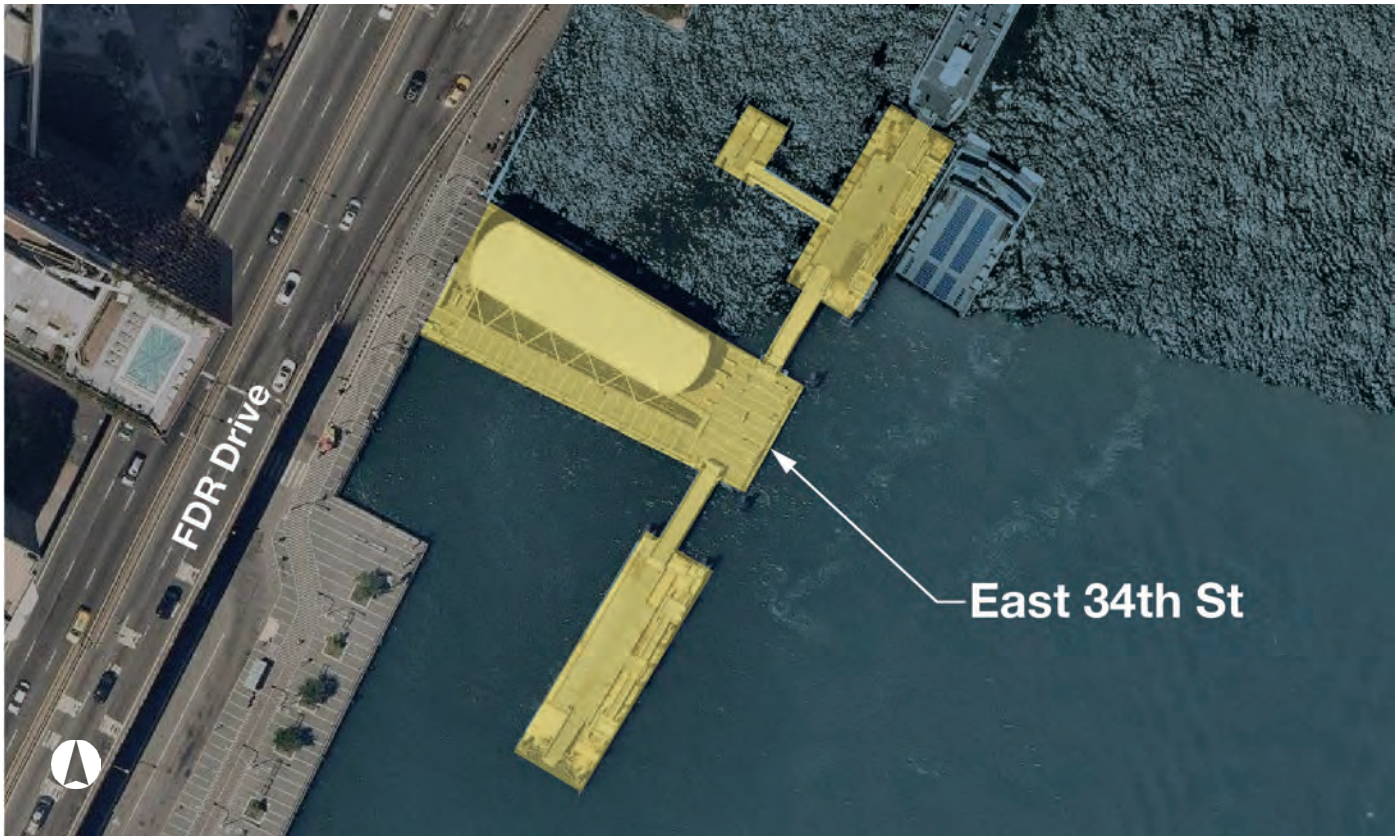
EXISTING FERRY TERMINALS IN NYC

EAST 34TH STREET

The East 34th Street Ferry Landing serves as East Midtown Manhattan's commuter ferry terminal. The landing is located on the East River, just north of East 34th Street by the FDR Drive. The existing ferry landing is adjacent to the East River Esplanade and includes a large covered shelter and ticketing facilities. The number of routes, frequency of landings, and the volume of riders queuing on the pier has reached the capacity of this ferry terminal. It is nearing capacity at peak times and may require further investment in the future.

3 OPERATORS

5 FERRY SLIPS



EXISTING FERRY TERMINALS IN NYC

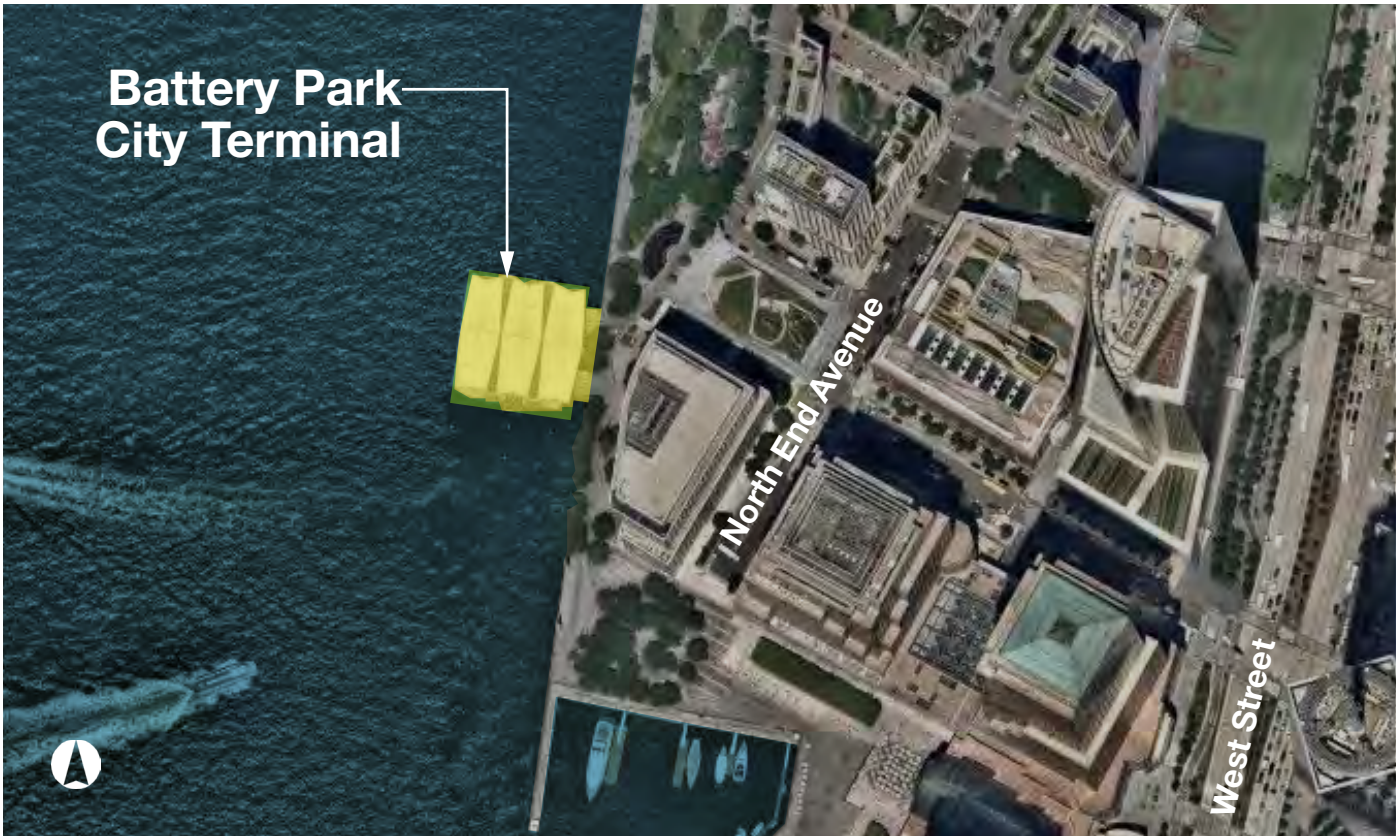
BATTERY PARK CITY TERMINAL

The Battery Park City ferry terminal is a major ferry landing for commuter service from New Jersey. The ferry terminal is located on the Hudson River at the end of Vesey Street in Hudson River Park in Battery Park City. The existing facility has capacity to accommodate some additional service.

2 OPERATORS

6 FERRY SLIPS

✓ ADDITIONAL LANDING CAPACITY



EXISTING FERRY TERMINALS IN NYC

MIDTOWN / WEST 39TH STREET

Midtown / West 39th Street Ferry Terminal is a major ferry landing for commuter service from New Jersey. It is located at Pier 79 in Hudson River Park adjacent to the West Side Highway at West 39th Street in Midtown Manhattan. The landing predominantly serves commuters traveling from New Jersey to Manhattan in the morning and departing in the afternoon. The existing facility has room to accommodate some additional service.

1 OPERATOR

6 FERRY SLIPS

✓ ADDITIONAL LANDING CAPACITY





STAGE 1
SITE PROFILES

B

Mott Haven (Lower Concourse)

SUMMARY

Mott Haven is a primarily residential neighborhood in the South Bronx. The area has population density, planned waterfront development, and good public transit access.



Beyond a clear publically-owned site, a physical constraint for siting a ferry landing is a live freight railway track that runs along the waterfront. In order to overcome this constraint a new ADA accessible pedestrian bridge would be required to access Mott Haven from a ferry landing. In some areas, upland access is also partially blocked by Interstate 87. In addition, the Willis Avenue Bridge, across the Harlem River, has a low vertical clearance which would require some modification to NYC Ferry vessels in order to safely travel under the bridge.

Co-op City

SUMMARY

Co-op City is located in the Baychester area of northeast Bronx. Significant affordable high-density residential development and a large shopping mall are located there.



Accessing Co-op City by water is problematic for NYC Ferry because of bridge heights. When closed, Pelham Bay Bridge and Hutchinson River Bridge have a vertical clearance that is too low for NYC Ferry vessels to traverse. Both bridges can be raised to allow vessels to pass through, but the cost and disruption to car traffic and Amtrak service to accommodate frequent and regular ferry service is unlikely to be acceptable.

Coney Island Beach

SUMMARY



Coney Island is located at the southernmost point of Brooklyn, bordering the Atlantic Ocean. Coney Island is currently in the midst of a revitalization process, which is stimulating local neighborhood development and attracting visitors from locations beyond the peninsula. Steeplechase Pier has been considered as a possible future ferry landing, but general conclusions below apply to the whole southern shoreline of Coney Island.

Siting a ferry landing on the southern shoreline of Coney Island is problematic. The primary concern is the exposure to ocean swells and strong southeast winds, which would lead to the landings being inoperable under certain weather and ocean conditions. Although some protection could be provided by an offshore wave attenuator structure, this has very large capital costs. Given these constraints an alternative site at Coney Island Creek, which is more protected from weather, is also being considered in this study.

Gowanus

SUMMARY



The Gowanus Canal is a 1.8-mile-long canal in Brooklyn. The canal is used occasionally for the movement of goods by small boats, tugs, and barges.

Operating a ferry around the Gowanus Canal is problematic for several reasons, primarily related to vessel navigation of the bay and canal. There is inadequate water depth and channel width for an NYC Ferry vessel to operate safely, making docking and departing difficult. In addition, the narrow dimensions of the canal and bay would significantly reduce the speed at which a vessel could navigate thus the ferry commute time would not be competitive with other transportation alternatives.

Far Rockaway

SUMMARY

Far Rockaway is a neighborhood on the eastern end of the Rockaway Peninsula in the borough of Queens. The main constraint of siting a landing in the Downtown Far Rockaway or Edgemere neighborhood is bridge height clearance.

Ferry service to Far Rockaway would require vessels to pass under the A-train Bridge to the Rockaways. There is insufficient clearance for NYC Ferry vessels to pass under the bridge safely year round. While the swing bridge could open for marine traffic, this would significantly disruptive subway service to the Rockaways. Bridge height is an issue for vessel access north and south of Broad Channel.



Alternative ferry sites on the ocean side of the Rockaways are extremely challenging due to water depths, high winds, and ocean swell.

JFK Airport

SUMMARY

Waterside access to JFK Airport has the same bridge height issue as a site at Far Rockaway.

In addition, the waterside access to most of the airport leads to active runways, blocking easy upland access to the terminals. This runway and terminal configuration mean it would be challenging to provide riders easy passage from the ferry landing to the Airport's passenger terminal.



West Shore Staten Island

SUMMARY

Operating a ferry service along the West Shore of Staten Island and anywhere along the North Shore east of St. George is challenging because of the high level of marine traffic in the water channel.

The Kill Van Kull tidal strait, between Staten Island and New Jersey is one of the most heavily travelled waterways in the Port of New York and New Jersey. Large container vessel prioritization and marine protocol in this heavily trafficked water limit the extent that reliable passenger ferry service can be operated.



South & Mid Shore

SUMMARY

Apart from Great Kills and Tottenville, the majority of the South Shore and Mid Island beaches have insufficient water depths to accommodate ferry service. Sites requested for inclusion in the study but ultimately not moved further along in the process include Prince's Bay/Mount Loretto, New Dorp Beach, and Midland Beach.

All areas require pier structures of several thousand feet long to reach adequate water depths, making them both impractical and very expensive. Any dredging comes at significant cost and is a reoccurring expense.





STAGE 2
SITE PROFILES

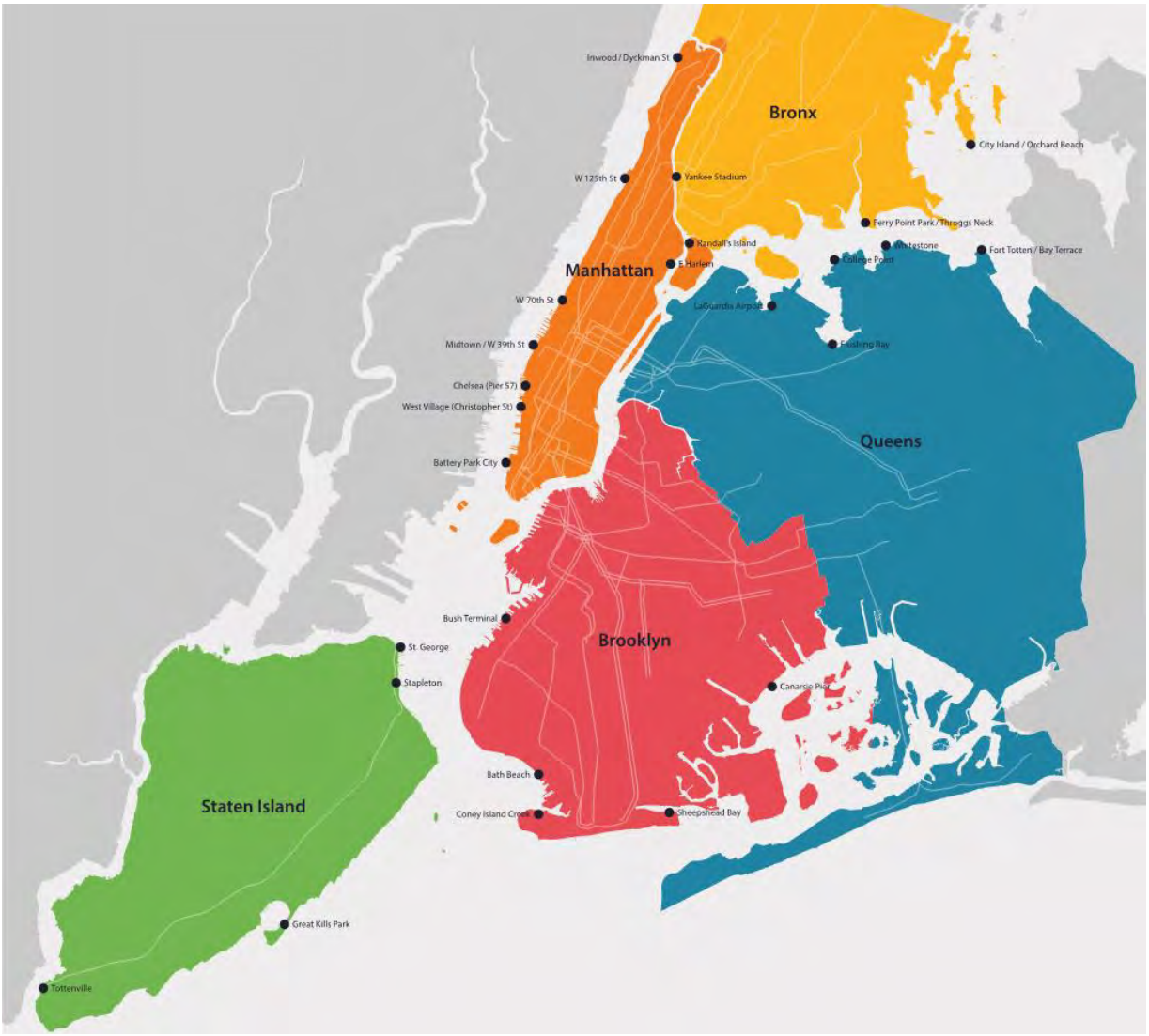
C

SITE PROFILES

There were several geographic areas that contained physical or geographic barriers to implementing NYC Ferry service, such as bridge height clearances that were too low, or coastline beach conditions with water depths that were too shallow, and these sites were screened from further study in the first phase.

Potential sites that did not have major environmental and physical constraints restricting a potential ferry landing were assessed for viability by developing in-depth site profiles for each potential location. Site profiles considered a number of factors including: defining the anticipated market area; assessing travel time of both current transit as well as potential ferry; gathering background information on site and neighborhood characteristics; and assessing development considerations. This information was used to compare sites and determine which were most suited to carry forward to route development and evaluation.

Site profiles were developed for the following areas illustrated by borough:



STAGE 2 SITE PROFILE METHODOLOGY

The following sections provide context to each section of the site profiles and serves as a reference guide.

COLOR KEY

The color band at the top of each site profile corresponds to the borough where each site is located as indicated below:

Bronx
Brooklyn
Manhattan
Queens
Staten Island

SUMMARY SECTION

The summary section is intended to provide a brief overview of the findings relevant to the decision making process.

MARKET AREA SECTION

Market area is an approximate area where the majority of ferry riders might live and travel from to reach a specific landing. The size of this area varies for each site and is based on the number of people living within the vicinity of a potential ferry landing and how they would access the landing (walking, driving, etc.). This area provides the baseline for calculating the number of commuting trips to Lower or Midtown Manhattan from that potential ferry landing site.

Transit access indicates the existing transit options to Lower and Midtown Manhattan from the study area.

Assumptions/Definitions for Section

- Number of Daily Commute Transit Trips
    - The total number of transit-only commute trips starting from the market area based on an average weekday. This excludes trips starting and finishing within the same market area.
    - From the total market area, the number of transit-only commute trips starting from the market area to Lower and Midtown Manhattan were identified.

- The number of trips was calculated using AirSage data that distinguishes between commute-only transit trips and non-commute transit trips. The Ridership Memo in Appendix D provides more detail on this data.

- Transit Access
  - Using Google Maps and crosschecked by MTA's travel data, identified the proximity and route for bus and subway to the potential ferry landing. Weekday arrival time of 9 AM was used to estimate travel times.

BACKGROUND INFORMATION SECTION

Other factors provide context to the potential viability of a site and how many people might be interested in using a ferry service. Understanding the surrounding neighborhood, special or unique attractions and planned development near the potential landing illustrates how a ferry might be used. There could be a unique site that people want to travel to or the neighborhood could be lower density residential with limited transit options and a ferry would provide an alternative transit option.

Assumptions/Definitions for Section

- Neighborhood characteristics describes the surrounding development based on review of the zoning adjacent to the potential landing.
- Site visits and aerial photographs helped determine the adjacent properties, waterways, and uses.
- Active construction permit activity, zoning amendments, and press releases assisted with determining if there has been or there is planned significant development near the landing.
- Both the previous 2011 and 2013 Citywide Ferry Studies provided some historic information on areas studied in the past.

PHYSICAL AND NAVIGATIONAL CONSIDERATIONS SECTION

For a landing to be viable, it must be able to support reliable ferry operations with few navigational challenges and provide safe access for passengers getting onto and disembarking the vessel. It is also important to know how much it would cost to construct the required landing infrastructure and how long it might take to implement.

This section reviewed water depths and navigational considerations needed to support ferry operations as well as the existing infrastructure and what improvements would be needed at the site. Once the necessary development for a landing was identified, the regulatory process, timeframe and rough order of magnitude costs were estimated. Further due diligence will be required before a landing could be designed and implemented.

Assumptions/Definitions for Section

- Pedestrian access was evaluated based on site visits and review of aerial photos. For some sites that did not have good pedestrian or transit connections, a shuttle or parking was assumed.
- National Oceanic and Atmospheric Administration (NOAA) charts, site visits and discussions with local operators provided information on navigational considerations. NOAA charts include water depth information and known obstructions in the marine environment. NYC Ferry planning uses a minimum of 12 feet water depth when evaluating sites. Bathymetric surveys provide the specific water depths in marine areas and are recommended early in the planning process for those sites moving forward.
- NYC maps including zoning and land use (ZoLa) maps, Department of City Planning (DCP) maps and zoning text were used to determine site ownership and zoning.
- An assessment of capital infrastructure needs was based on visual observations of existing infrastructure. Further assessment would be necessary prior to designing and constructing a new landing.
- Implementation timeframes based on previous NYC Ferry landing construction.
- Costs are rough-order of magnitude for planning purposes and only include the cost to construct the landing, it does not include the cost to procure or operate vessels. These costs were estimated based on historic costs for NYC Ferry landing construction as well as industry knowledge of costs for marine structures.

TRAVEL TIME COMPARISON SECTION

The travel time comparison is a metric to determine if people are likely to choose a ferry compared to other travel options. If a direct ferry trip would take significantly longer than other modes to reach Manhattan, the NYC ferry service with additional stops may not see the same ridership demand compared to those routes that provide a time savings compared to existing travel options. This evaluation was focused on comparing commute travel times under the following definitions:

Assumptions/Definitions for Section

- Travel times were based on point-to-point connections under best case scenario where each connection is made and there are no delays. This is most applicable to ferry and transit times, whereas car trips include a range of estimated travel times given the variability of traffic conditions.
- Origin points were estimated based on a half mile of the landing or expanded in certain cases if necessary (i.e. parking availability or other transit connections). Destination points were identified in the central business districts of Lower and Midtown Manhattan within walking distance to the main Manhattan terminals. The origin and destination points were used to assess an average trip time for comparative purposes only to relate direct ferry and direct transit trips.

- Direct ferry transit time was calculated includes the estimated time to walk to the site from the origin, direct trip from the site to Lower Manhattan and Midtown Manhattan as well as the walk time to the destination point for Lower Manhattan and Midtown Manhattan. The following information was used for these calculations:
    - Distances measured by Google Maps
    - Speeds vary by route segment distance and based on actual operating speeds:
        - Less than 2 mile route = 18 knots or 20.7 miles per hour
        - More than 2 miles but less than 5 miles = 22 knots or 25.3 miles per hour
        - Greater than 5 miles = 24 knots or 27.6 miles per hour
    - Maneuvering distance is estimated at 0.25 miles at each end of the segment with a speed of 7 knots or 8.1 miles per hour

- Transit time was calculated based on the following:
    - Calculated using Google Maps for an arrival time of 9:00 AM on weekdays. The MTA trip planner was also used to confirm transit options.

- Car travel time
    - Ranges were derived from Google Maps with an arrival time of 9:00 AM on weekdays
    - Cost estimated based on distance in Google Maps using $0.545/mile (IRS standard)

REFERENCES

- Google Earth
- NearMap aerial imagery
- Zola – https://zola.planning.nyc.gov/
- NYC Active Major Construction – https://www1.nyc.gov/assets/buildings/html/nyc-active-major-construction.html
- NOAA navigational charts
- AirSage data to generate transit trip tables for the market area
- New York State Department of Environmental Conservation, Environmental Resource Mapper http://www.dec.ny.gov/gis/erm/

City Island / Orchard Beach

SUMMARY



City Island is a lower-density area in the northern Bronx, with Orchard Beach to the north.

City Island includes two potential pier options: the existing Hart Ferry Terminal and at the end of City Island Avenue. Construction of a new landing facility would likely be required at either location. Although a ferry could potentially provide a faster option for those travelling to Manhattan, there are few people living on City Island that currently commute to Manhattan. The likelihood of additional travelers coming from off island to use the ferry landing to access Manhattan is low, in part because of the lack of parking near the existing ferry terminal. The ferry might bring additional visitors to the Island.

Orchard Beach has very shallow water depths in most of Pelham Bay, making the siting of any ferry landing difficult. A pier constructed at the outer edges of the beach would require a 10-minute walk from the parking lot. The closest residential neighborhood to the beach is at least a 10-minute drive. Ferry service from this location is not competitive with existing transit for the surrounding neighborhoods, especially with the additional access time to reach a pier at the edge of the beach. The remainder of this site profile focuses on City Island.

MARKET AREA

The market area for potential ferry trips from this location includes all of City Island, but does not extend to the rest of the Bronx.



- **Daily Commute Transit Trips:** ~400
  - **Trips to Lower Manhattan:** Less than 50
  - **Trips to Midtown Manhattan:** Less than 50
- **Transit Access:** Bus: Bx29 and BxM8
- **Ferry Travel Time to Manhattan:** Faster than existing transit to Lower Manhattan and Midtown East.

City Island / Orchard Beach

BACKGROUND INFORMATION

Neighborhood Characteristics

City Island consists of low density residential with neighborhood commercial uses along City Island Avenue.

Adjacent Properties / Waterway Use / Special Sites

City Island is part of a Lower Density Growth Management Area with primarily R3A zoning that allows for single-family development. There are private boat yards and marinas along the waterfront of City Island / Orchard Beach.

Recent and Planned Substantial Development near Potential Sites

On the Sound, a 43-unit condominium was recently completed near the proposed Hart Island Ferry Terminal site.

Latitude, Longitude	40.837193, -73.782732
Census Tract	516
Approx. Location	Hawkins St and Fordham St, Bronx, NY 10464
Previously Studied by EDC	2011, 2013
Borough	Bronx
Borough President	Ruben Diaz Jr.
City Council District	13
Council Member	Mark Gjonaj
Community Board	10

PHYSICAL AND NAVIGATIONAL CONSIDERATIONS

Upland Access

Fordham Street dead-ends at the NYCDOT dock and does not have sidewalks or bike lanes. A public park, Fordham Street Promenade, accesses Fordham Street near the dock. Access to the Hart Island Ferry dock is currently restricted and it would likely be necessary to build a new facility at this location.

If the landing were located at the south end of City Island Avenue, there are sidewalks leading up to the park area.



Hart Island Ferry Terminal

City Island / Orchard Beach

Existing Infrastructure

The existing Hart Island ferry terminal is located at the end of Fordham Street and is operated by NYC DOT. The terminal is designed to support the car ferry with a vehicle ramp and wingwalls sized to fit the existing ferry.

The existing ferry terminal infrastructure may be able to support passenger-only ferry services, infrastructure requirements for the NYC Ferry vessels to operate from this location would need to be assessed.

There is no in-water infrastructure at the south end of City Island. This location would require a new pier structure and a standard NYC Ferry barge.



Photo shows the south end of City Island Ave.

Waterside Access

Waterside access to etiher site at City Island would be through the East River and western Long Island Sound, with sufficient well-marked navigational channel to support ferry operations. If located near the existing ferry terminal on the eastern shore of the island, the landing would be at the western end of Long Island Sound, with considerable distance for easterly storms to build fetch generated waves.

If located at the southern tip of the island at the end of City Island Avenue, a pier would be required to reach water depths to support ferry operations. This location would be exposed to the weather from multiple directions, representing an operational challenge.

- **Ownership:** NYC Department of Small Business or One City Island Avenue
- **Zoning:** M1 (Hart Island Ferry) or R3A (south end of City Island)

Implementation Requirements

- An assessment of the Hart Island Ferry Terminal would be required to determine if this site could support NYC Ferry service.
- If a landing were located at the south end of the island, a pier and barge would need to be installed.
- **Approvals needed:** Environmental Review; New York State Department of Environmental Conservation and United States Army Corps of Engineers in-water construction permits; agreement with New York City Department of Transportation, New York City Department of City Planning, New York City Department of Parks and Recreation; Mayoral Zoning Override
- **Estimated Capital Cost:** $8 million, plus the cost of a pier depending on the length.



Figure shows water depth in feet at mean lower low water. NYC Ferry planning uses a minimum of 12 feet water depth when evaluating sites.

City Island / Orchard Beach

TRAVEL TIME COMPARISON

While a direct ferry would be faster than transit to Lower Manhattan and Midtown East, combining the City Island or Orchard Beach stop with another route, such as Soundview, would dictate whether ferry service would be time competitive, and in the case of Orchard Beach also be hampered by the driving and walking time to reach the landing. From City Island to Midtown East, there is a transit option (Bus: BxM8) that does not require a transfer but is a longer trip than those with transfers.



The table below shows approximate travel times to Lower and Midtown Manhattan from a central address in the City Island study neighborhood, including some walk time to/from transit or ferry.

Destination	Car	Transit	Direct Ferry	Direct Ferry vs. Existing Transit
Lower Manhattan (Wall St / Pier 11)	**55-100 min / $11.50**	*(3 transit legs)* **86 min / $6.50**	*(~20 miles)* **58 min / $2.75**	**-28 min**
Midtown East (E 34th St)	**45-85 min / $8.99**	*(2 transit legs)* **79 min / $6.50**	*(~16 miles)* **54 min / $2.75**	**-25 min**

Ferry Point Park / Throgs Neck

SUMMARY

Ferry Point Park is located in the Throgs Neck peninsula of the Bronx. The park is located just to the west of Whitestone Bridge and Highway I-678. It is comprised of considerable green areas with sports fields, with an associated parking area.

Given this distance from residential areas, driving or biking is required to access the site. With the water depths in Westchester Creek, a landing location would need to be near the southern end of the park. A potential ferry landing would be about 0.3 miles from the existing parking, or roughly an 8- to 10-minute walk.

This study considered other areas along the Throgs Neck peninsula closer to residential areas, but no viable public sites with adequate water depths were found.



MARKET AREA

The market area for potential trips includes the area east of the Hutchinson River Expressway (I-678), south of the Cross Bronx Expressway (I-295) and west of Hollywood Avenue.



- **Daily Commute Transit Trips:** ~2,350
  - **Trips to Lower Manhattan:** ~50
  - **Trips to Midtown Manhattan:** ~175
- **Transit Access:** BxM9 express bus, Bx40 and BX42
- **Ferry Travel Time:** Faster than transit to Lower Manhattan and Midtown East.

Ferry Point Park / Throgs Neck

BACKGROUND INFORMATION

Neighborhood Characteristics

The Throgs Neck neighborhood is comprised of primarily low-density residential development but is also home to SUNY Maritime College and a City-owned golf course. Retail and commercial services are available along East Tremont Avenue.

Adjacent Properties / Waterway Use / Special Sites

Sites adjacent to Ferry Point Park and Throgs Neck are zoned for manufacturing to the north and primarily residential to the east. Throgs Neck is located within the Lower Density Growth Management Area.

Recent and Planned Substantial Development near Potential Site

There are no major planned development activities near the potential landing site.

Latitude, Longitude	40.806258, -73.836865
Census Tract	110
Approx. Location	10 Hutchinson River Pkwy, Bronx, NY 10465
Previously Studied by EDC	2011, 2013
Borough	Bronx
Borough President	Ruben Diaz Jr.
City Council District	13
Council Member	Mark Gjonaj
Community Board	10

PHYSICAL AND NAVIGATIONAL CONSIDERATIONS

Upland Access

Vehicle access to the site is a one-way loop, located inland from the water. Pedestrian access requires a long walk from the parking lot. Parking is currently available, but is an 8-10 minute walk from where a landing would likely be located.



Ferry Point Park / Throgs Neck

Existing Infrastructure

No marine infrastructure currently exists at this location. Riprap covers the shoreline. The park site totals approximately 400 acres and includes sports fields and walkways, but with no piers or waterside access.



- **Ownership:** NYC Parks and Recreation
- **Zoning:** PARK

Implementation Requirements

- A fixed pier would likely be necessary to move the gangway away from the rock/riprap shoreline, along with the installation of required gangway and guide piles for ferry service.
- **Approvals needed:** Environmental Review; New York State Department of Environmental Conservation and United States Army Corps of Engineers in-water construction permits; and an agreement with Department of Parks and Recreation
- **Estimated Capital Cost:** $8 million, plus the cost of a pier depending on the length

Waterside Access

Waterside access to this location would use the East River, which is deep and well marked. Vessel approaches using Westchester Creek would be unacceptable due to limited water depths, with the only location within the park that provides sufficient water depths at the far southern end. Any potential location would take into account water depths, currents, and sea conditions near the area.

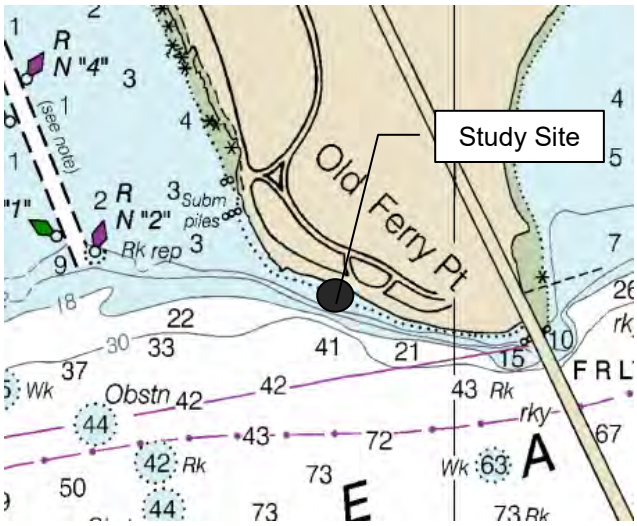
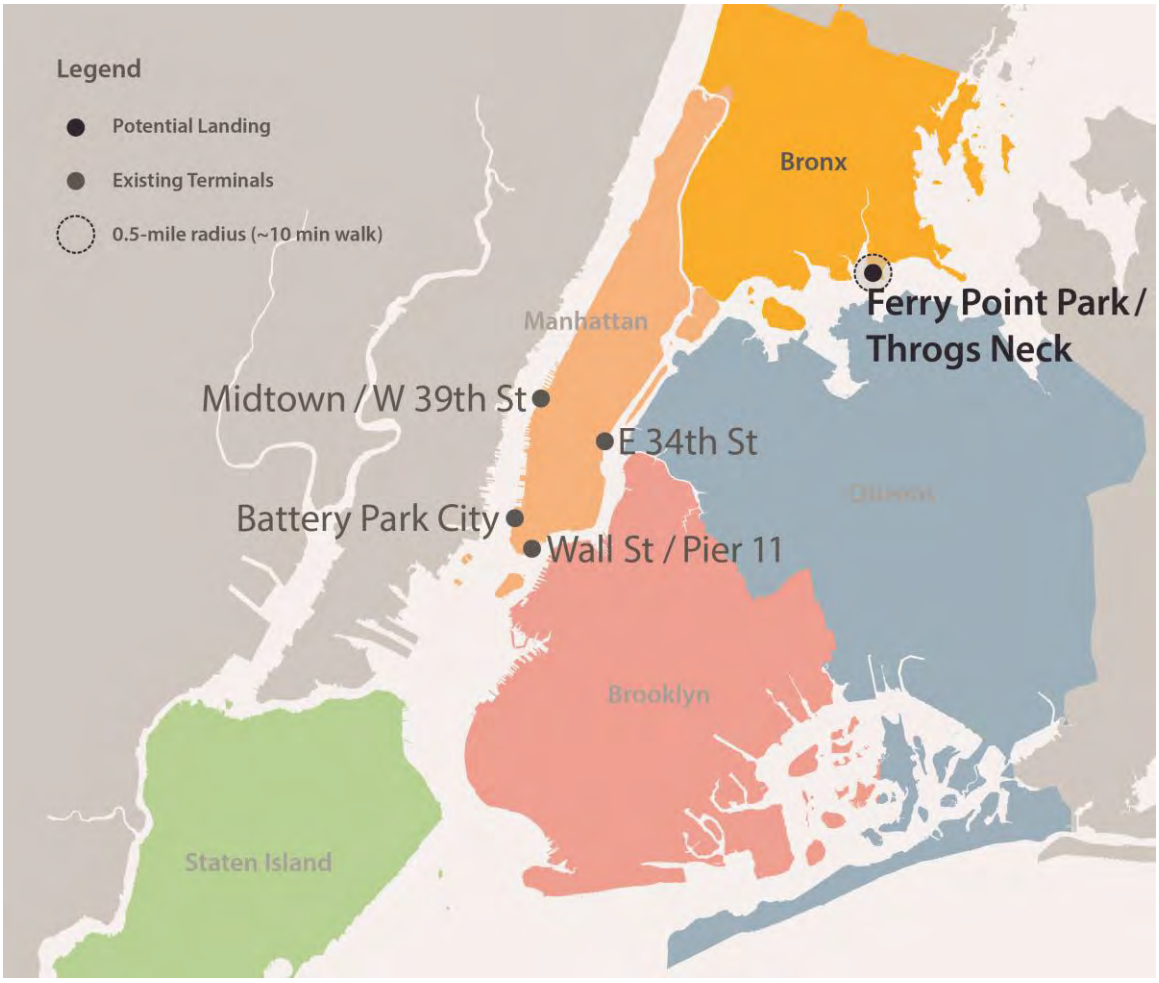


Figure shows water depth in feet at mean lower low water. NYC Ferry planning uses a minimum of 12 feet water depth when evaluating sites.

Ferry Point Park / Throgs Neck

TRAVEL TIME COMPARISON

A ferry from Ferry Point Park to the Wall Street / Pier 11 or East 34th Street is faster than existing transit options.



The table below shows approximate travel times to Lower and Midtown Manhattan from a central address in the study neighborhood, including some walk time to/from transit or ferry.

Destination	Car	Transit	Direct Ferry	Direct Ferry vs. Existing Transit
Lower Manhattan (Wall Street / Pier 11)	**60-110 min / $8.93**	*(2 transit legs)* **90 min / $2.75**	*(~14 miles)* **56 min / $2.75**	**-30 min**
Midtown East (East 34th Street)	**45-100 min / $8.67**	*(1 transit leg)* **80 min / $2.75**	*(~10 miles)* **52 min / $2.75**	**-20 min**

Yankee Stadium

SUMMARY



Yankee Stadium has an existing ferry landing along the Harlem River, occasionally used for Yankee Stadium-related events but not for commuter ferry service. Active freight railway tracks separate the landing from the neighborhood, making site access problematic.

Waterside access to this site would be up the Harlem River, requiring passage under seven bridges, three of which have a 25-foot clearance at high water, limiting the vessels available for a route to this area. The Willis Avenue Bridge across the Harlem River has a low vertical clearance, which would require modifications to NYC Ferry vessels for safe passage under the bridge. The navigational challenges represented by this narrow waterway and other marine traffic would slow ferry speed, increasing transit times.

The area has competitive existing transit. Properties adjacent to the landing are largely commercial entities with several sports complexes. Residential properties are approximately 0.5 miles away. Waterfront areas around the landing are likely to grow in the future, particularly to the south with developments like Bronx Point.

MARKET AREA

The market area for potential ferry trips from this site is predominately from Concourse Village and along the Harlem River from Macombs Dam Bridge to Third Avenue Bridge.



- **Daily Commute Transit Trips:** ~12,400
  - **Trips to Lower Manhattan:** ~300
  - **Trips to Midtown Manhattan:** ~800
- **Transit Access:** Bus and Rail
  - **Bus:** Bx13 ~0.3 miles from site
  - **Rail:** Yankees-E 153 St Station ~0.2 miles from site
  - **Subway:** 161 Street – Yankee Stadium 4, B and D Lines ~0.5 miles from site.
  - **Subway:** 149 Street – Grand Concourse, trains 2, 4, 5 ~0.7 miles from site
- **Ferry Travel Time to Manhattan:** Faster than transit to Lower Manhattan and slower than transit to Midtown.

Yankee Stadium

BACKGROUND INFORMATION

Neighborhood Characteristics

The study site is located within the west portion of the Concourse Village neighborhood in the Bronx.

Adjacent Properties / Waterway Use / Special Sites

The site contains commercial and recreational uses. Residential areas are located less than 0.5 miles from the landing. The landing site is located approximately 0.5 miles away from Yankee Stadium, with Joseph Yancey Track and Field, Heritage Field, and Stadium Tennis Center all less than this distance from the site.

Recent and Planned Substantial Development near Potential Site

In 2016, the NYCEDC requested proposals for an extensive development project called Bronx Point, along the Harlem River waterfront near the study site. This development project would include over 1,000 housing units, community space, commercial and retail space as well as a museum. Phase one of the development project is anticipated to be complete in 2022.

Latitude, Longitude	40.825033, -73.932869
Census Tract	63
Approx. Location	725-780 Exterior Street; Bronx, NY 10451
Previously Studied by EDC	2011, 2013
Borough	Bronx
Borough President	Ruben Diaz Jr.
City Council District	8
Council Member	Diana Ayala
Community Board	4

PHYSICAL AND NAVIGATIONAL CONSIDERATIONS

Upland Access

Current pedestrian access from the landing to the upland is not ideal and would require riders to cross an active freight railway track. An at-grade walkway appears to have restricted access for non-game days.

Improvement to upland access would be important for regular commuter ferry operation.



Yankee Stadium

Existing Infrastructure

The existing ferry terminal infrastructure at this site accommodates bow-loading ferries similar to those operated by NYC Ferry. Use is currently for charted service during games and events.

The barge may need an assessment to determine if replacement is required prior to implementing service.

- **Ownership:** New York State Department of Transportation (site connected to dock) / State of New York (adjacent parking facilities)
- **Zoning:** M2-1

Implementation Requirements

- Replacement of the barge may be needed. Typical NYC Ferry barge would need to be installed. Structural and mechanical survey of the existing barge is recommended.
- **Approvals needed:** Environmental Review; New York City Department of City Planning; New York State Department of Environmental Conservation and United States Army Corps of Engineers in-water construction permits; Mayoral Zoning Override
- **Estimated Capital Cost:** $8 million for barge replacement if required

Waterside Access

Ferry waterside access to this location would be up the East and Harlem Rivers. The Harlem River is a relatively narrow channel, with NOAA charts indicating sufficient water depths throughout the length of the transit.

Traveling up the Harlem River to this site would require transit under seven bridges, with three of them at 25-foot clearance at mean high tide. Typically, a safety factor would be employed by any vessel transiting under these bridges to ensure no interactions. The existing NYC Ferry River Class vessels closely approach this height and the larger vessels exceed this height, meaning that ferry transits would potentially be restricted to avoid high tides. Further transit up the Harlem River represents some navigational challenges with multiple bridge abutments and other vessel traffic likely necessitating slower speeds to ensure safety of navigation.

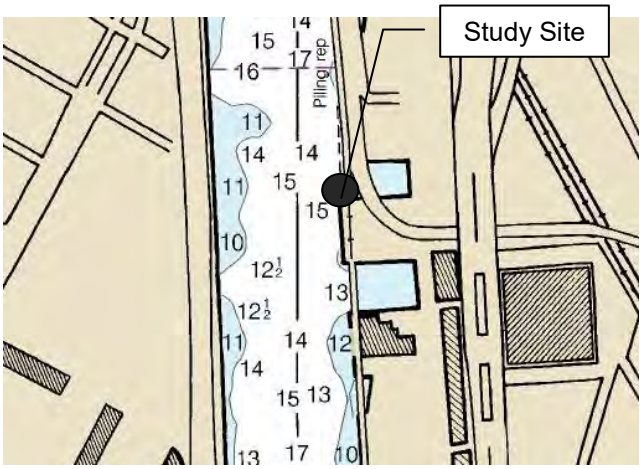


Figure shows water depth in feet at mean lower low water. NYC Ferry planning uses a minimum of 12 feet water depth when evaluating sites.

Yankee Stadium

TRAVEL TIME COMPARISON

A direct ferry would be faster than transit to Lower Manhattan but slower to Midtown East. Ferry travel times would also increase with other stops added along any potential route, making it less competitive to existing transit options.



The table below shows approximate travel times to Lower and Midtown Manhattan from a central address in the study neighborhood, including some walk time to/from transit or ferry.

Destination	Car	Transit	Direct Ferry	Direct Ferry vs. Existing Transit
Lower Manhattan (Wall Street / Pier 11)	**35-60 min / $7.03**	*(1 transit leg)* **52 min / $2.75**	*(~10 miles)* **39 min / $2.75**	**-13 min**
Midtown East (East 34th Street)	**30-55 min / $5.07**	*(2 transit legs)* **32 min / $2.75**	*(~6 miles)* **36 min / $2.75**	**+4 min**

Coney Island Creek

SUMMARY



The Coney Island Creek site is located at the western end of Coney Island in Brooklyn. This creek is somewhat sheltered from weather-generated sea conditions, which is an important reason why other sites on the southern beach side of Coney Island are not suitable for a ferry landing.

Ferry service here would help Coney Island residents to commute more quickly into Manhattan and would provide a new mode of transportation for people to visit Coney Island's attractions.

Placement of a landing needs careful consideration as shifting sands, fog, and high winds would be an ongoing challenge to maintaining safe and reliable commuter ferry operations here. A ferry landing on either side of the sandspit is included in the study, though both options present operational and navigational risks, requiring careful design and mitigation.

MARKET AREA

The market area for potential ferry trips from Coney Island Creek includes the area south of Belt/Shore Parkway and west of Shell Road.



- **Daily Commute Transit Trips:** ~6,500
  - **Trips to Lower Manhattan:** ~700
  - **Trips to Midtown Manhattan:** ~400
- **Transit Access:** Bus and Subway
  - **Bus:** B36 and B74 adjacent to the site
  - **Subway:** D, F, N, and Q lines ~1.3 miles from the site
- **Ferry Travel Time to Manhattan:** 25- 36 minutes faster than other transit to Lower and Midtown Manhattan.

Coney Island Creek

BACKGROUND INFORMATION

Neighborhood Characteristics

The neighborhood surrounding the potential landing is primarily residential with a strip of commercial shops along Mermaid Ave. West of the landing is the private community of Sea Gate. South and east of the landing is a mixture of residential homes and medium density public housing. Farther east are cultural and entertainment amenities including restaurants, MCU Stadium, Amusement District, and New York Aquarium.

Adjacent Properties / Waterway Use / Special Sites

Adjacent parcels are zoned R5 and R6 for low to medium density housing (low-rise attached houses, to apartment buildings).

Recent and Planned Substantial Development near Potential Site

While no specific plans were identified, in December 2017, Brooklyn borough president Eric L. Adams, unveiled his recommendations as part of a Uniform Land Use Review Procedure (ULURP) response to approve with conditions an application submitted by the SP North of North Limited Partnership in Coney Island to facilitate a zoning map amendment to rezone portions of a block bounded by Mermaid and Neptune avenues at West 29th Street. The proposal would facilitate the development of the Harbor Houses project, including two eight- and seven-story buildings with a total of 153 residential units, all of which will be affordable including 25 percent permanently affordable units. A residential development including 311 units is currently under construction at 3514 Surf Avenue and will be delivered in 2019.

Latitude, Longitude	40.581254, -74.000703
Census Tract	336/330
Approx. Location	W 33 Street and Bayview Avenue; Brooklyn, NY 11224
Previously Studied by EDC	2013
Borough	Brooklyn
Borough President	Eric Adams
City Council District	47
Council Member	Mark Treyger
Community Board	13

PHYSICAL AND NAVIGATIONAL CONSIDERATIONS

Upland Access

There is an existing sidewalk and trail along Bayview Avenue. There is limited street parking along Bayview Avenue.



Coney Island Creek

Existing Infrastructure

There is no existing infrastructure for a ferry landing in Coney Island Creek Park, requiring upland improvements that would allow access from the street to the vessel.

However, if the landing was located inside the creek, there is an existing fishing pier of approximately 180 feet long by 10 feet wide, which would need to be carefully considered in relation to a ferry landing.

Waterside Access

Located on the northwest side of Coney Island, the potential sites would be accessed from Graveshead Bay. There are prominent and shifting sands in this area that have the potential to be an ongoing challenge to ferry operations.

Site Option 1: Ferries approaching the Coney Island Creek site to the west of the sandspit would have easy/direct access, but the water depths are shallow on this approach due to the build up of sand along the shore. This site would require a new pier of significant length, adding to its exposure and perhaps requiring dredging to ensure adequate depths are maintained. This approach would also be exposed to occasional bad weather coming from the northwest which may impact reliability of service.

Site Option 2: Access to the Kaiser Park site (east of the sandspit) would require transiting the channel into Coney Island Creek, with a navigational channel less than 120 feet across, but with good water depths once through the channel all the way to the fishing pier. This landing possesses deep water and is protected from ocean swells, with adequate maneuvering area. However, the channel passage would likely represent unacceptable navigating risk without a mitigation solution like dredging.

Some small-scale recreational boat activities occur inside the creek and would need to be taken into consideration.

- **Ownership:** NYC Parks and Recreation
- **Zoning:** PARK

Implementation Requirements

- A fixed pier and landing barge would need to be constructed on the Coney Island Creek Park side of the spit.
- If the Kaiser Park Fishing Pier were used, improvements would likely be required to the existing pier.
- The Coney Island Park site would require a relatively lengthy pier or gangway, or inshore dredging, to ensure adequate water at low tides. The Kaiser Park site may necessitate some dredging of the channel to accommodate transit.
- Mitigation efforts could be accomplished in Coney Island Creek area with existing marine wreck removal.
- **Approvals needed:** Environmental review; New York State Department of Environmental Conservation and United States Army Corps of Engineers in-water construction permits; and an agreement with Department of Parks and Recreation
- **Estimated Capital Cost:** $8-12 million, plus addition cost for a pier structure depending on length.

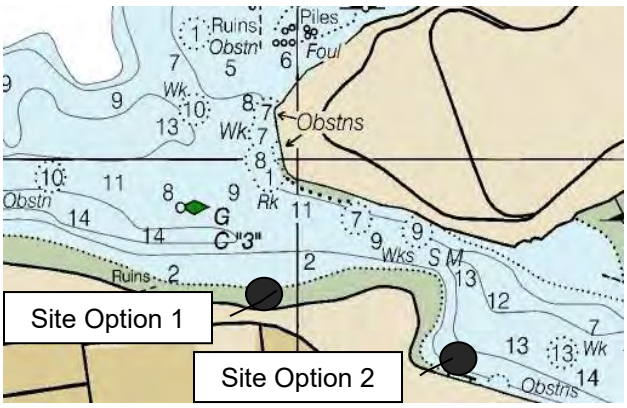
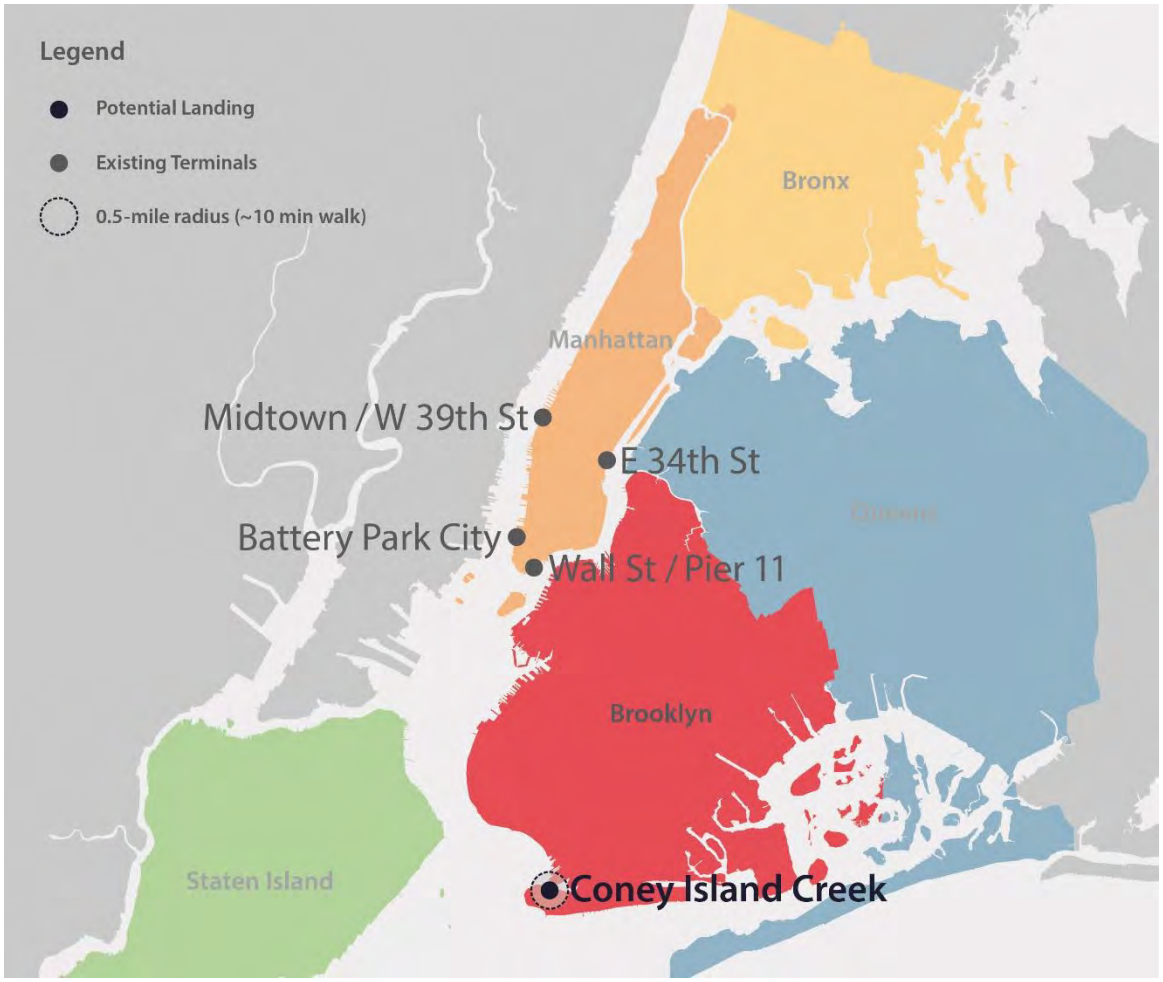


Figure shows water depth in feet at mean lower low water. NYC Ferry planning uses a minimum of 12 feet water depth when evaluating sites.

Coney Island Creek

TRAVEL TIME COMPARISON

A direct ferry trip to Manhattan would offer a faster trip time than public transit from this location, but the inclusion of a Coney Island Creek stop in a route with other stops would dictate whether ferry service would be time competitive.



The table below shows approximate travel times to Lower and Midtown Manhattan from a central address in the study neighborhood, including some walk time to/from transit or ferry.

Destination	Car	Transit	Direct Ferry	Direct Ferry vs. Existing Transit
Lower Manhattan (Battery Park City)	**30-75 min / $7.47**	*(1 transit leg)* **76 min / $6.50**	*(~7 miles)* **40 min / $2.75**	**-36 min**
Midtown West (Midtown / West 39th Street)	**40-100 min / $9.10**	*(2 transit legs)* **77 min / $2.75**	*(~ 10 miles)* **52 min / $2.75**	**-25 min**

Canarsie Pier

SUMMARY

The study site is located at Canarsie Pier adjacent to the Canarsie neighborhood. Access to the site is predominately by car or via bus with a bus stop within a short walk from the site.

The site has a very large existing pier structure that supports park activities, such as recreational fishing. There are adequate water depths in vicinity of the pier with easy access through the relatively protected waters of Jamaica Bay.

The site is owned and managed by the National Park Service. How potential ferry use and the need for commuter parking would affect existing pier activities would need to be considered.



Many trips from Canarsie to Manhattan rely on the L train. On average, the L provides a faster trip to Manhattan with more transfer options than potential ferry service. This site has been proposed by community members as a mitigation solution to the Canarsie tunnel repair project expected to start in April 2019, but the timeline to permit and construct a ferry landing at Canarsie Pier does not make a ferry a feasible mitigation option.

MARKET AREA

The market area for potential ferry trips from Canarsie Pier includes the area east of Flatbush Avenue, south of Flatlands Avenue, and west of Fountain Avenue.



- **Daily Commute Transit Trips:** ~19,800
  - **Trips to Lower Manhattan:** ~2,000
  - **Trips to Midtown Manhattan:** ~2,000
- **Transit Access:** Bus: B42 ~0.18 mile from site
- **Ferry Travel Time to Manhattan:** Similar to transit to Lower Manhattan, but slightly longer than transit to Midtown Manhattan.

Canarsie Pier

BACKGROUND INFORMATION

Neighborhood Characteristics

Canarsie Pier is located in Brooklyn in an area of primarily mid-density residential development, with neighborhood commercial sites located inland from the park along Rockaway Parkway and Flatlands Ave.

Adjacent Properties / Waterway Use / Special Sites

The site is part of the National Park Service. The majority of the surrounding area is mapped parkland. Adjacent parcels are zoned R5 for low/mid-density housing (low-rise attached houses to small multifamily apartment buildings).

Recent and Planned Substantial Development near Potential Site

No major residential or commercial development noted.

Latitude, Longitude	40.629497, -73.884858
Census Tract	1028 and 1034
Approx. Location	Canarsie Veterans Cir, Brooklyn, NY 11236
Previously Studied by EDC	No
Borough	Brooklyn
Borough President	Eric Adams
City Council District	46
Council Member	Alan N. Maisel
Community Board	18

PHYSICAL AND NAVIGATIONAL CONSIDERATIONS

Upland Access

Vehicles access the pier from Canarsie Veterans Circle, which connects to Rockaway Parkway and Shore Parkway on- and off-ramps. The Jamaica Bay Greenway bicycle and pedestrian path runs parallel to Shore Parkway and past the pier. Parking is available on the pier but currently restricted from commuters.



Canarsie Pier

Existing Infrastructure

A large recreational pier (approximately 400 by 625 feet) built in 1926 with parking in the center and tree lined walkway around the edge. Existing pier structure should be assessed to determine if it could support ferry services, but would need some improvements to allow for access to/from a barge and the ferry. Consideration would be required for how ferry service would affect the recreational activities, like fishing, that take place at the pier.



- **Ownership:** National Park Service
- **Zoning:** PARK

Implementation Requirements

- A standard NYC Ferry landing would need to be installed along the pier for ferry service.
- A preferred location would need to be determined for a barge, with guide piles and access to the pier, along the pier to berth a vessel for ferry service.
- Coordination with National Parks Service would be required to incorporate the ferry landing in an environmentally sensitive way.
- **Approvals needed:** Environmental Review; New York State Department of Environmental Conservation and United States Army Corps of Engineers in-water construction permits; agreement with National Park Service
- **Estimated Capital Cost:** $8 million

Waterside Access

Water depths in vicinity of the pier appear adequate (15 to 29 feet), making vessel access and approach feasible from either the southwest or northeast side of the pier. Access from the Southeast would likely be preferred operationally. However, the charts indicate more water to northeast for approach and turning. A pile field is located on the west side of pier, which may impact the approach from this side. However, removal of the pile field may represent a mitigation strategy for installation of a barge at this location. Inside Jamaica Bay, this site should be relatively protected from significant wave generation (limited swell, but some wind generated waves). The beach next to the pier supports canoe/kayak launch with recreational traffic in this area and should be considered.

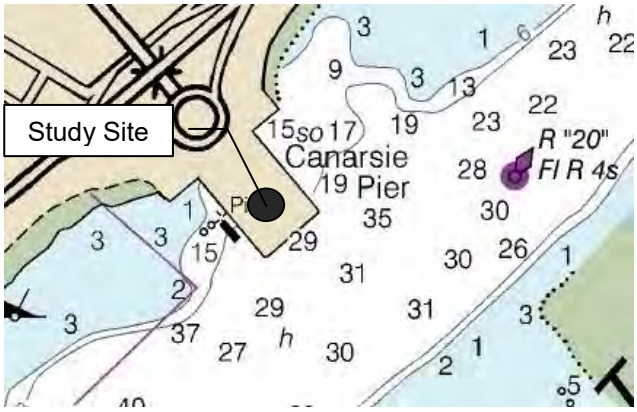
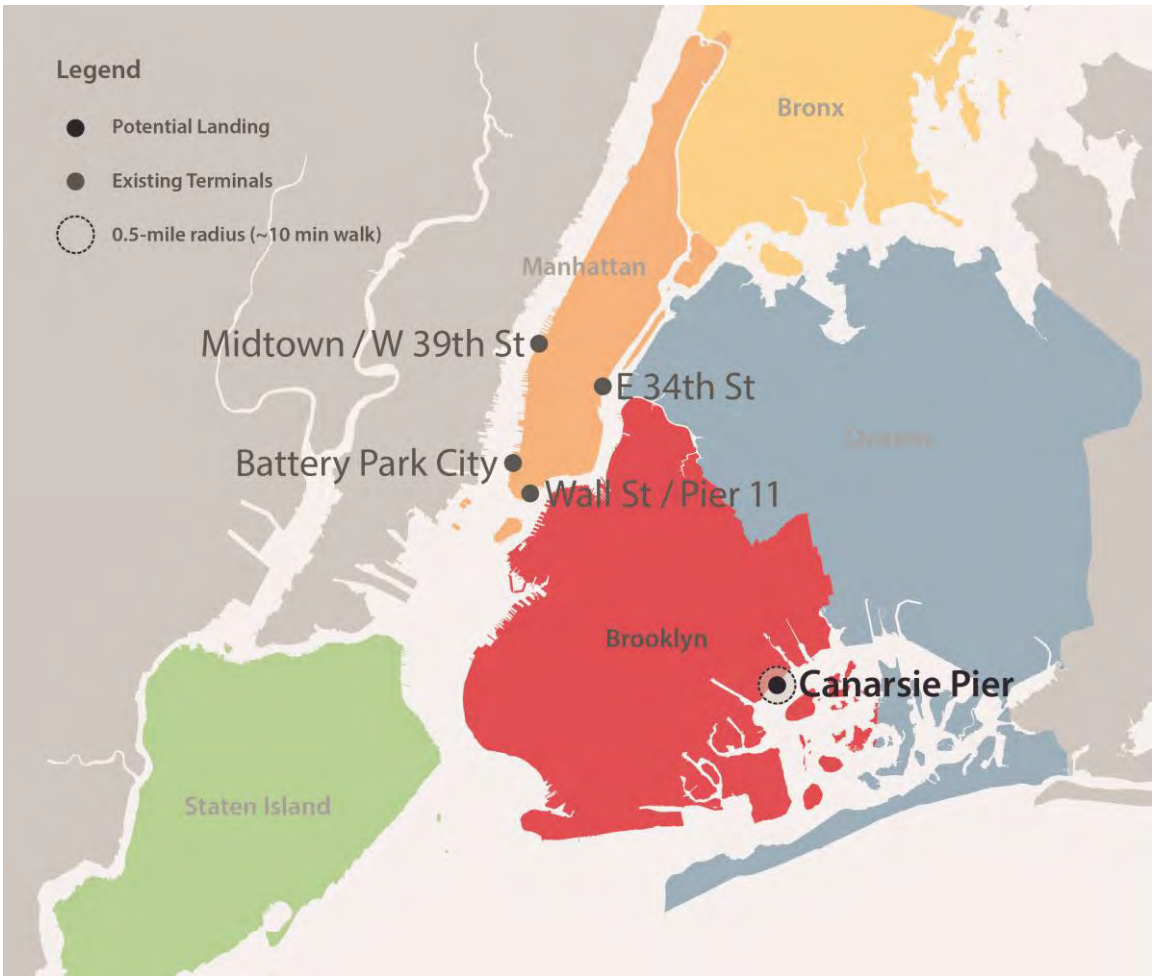


Figure shows water depth in feet at mean lower low water. NYC Ferry planning uses a minimum of 12 feet water depth when evaluating sites.

Canarsie Pier

TRAVEL TIME COMPARISON

The estimated non-stop ferry trip time is slightly slower to other modes of transit to Lower Manhattan, and 6 minutes longer than an estimated transit trip to Midtown. Ferry travel time would increase with additional stops along a potential route, thereby making it even less competitive to existing transit.



The table below shows approximate travel times to Lower and Midtown Manhattan from a central address in the study neighborhood, including some walk time to/from transit or ferry.

Destination	Car	Transit	Direct Ferry	Direct Ferry vs. Existing Transit
Lower Manhattan (Battery Park City)	**40-80 min / $11.06**	*(3 transit legs)* **65 min / $2.75**	*(~22 miles)* **67 min / $2.75**	**+2 min**
Midtown West (Midtown / West. 39th Street)	**45-110 min / $9.10**	*(3 transit legs)* **74 min / $2.75**	*(~25 miles)* **80 min / $2.75**	**+6 min**

Bush Terminal

SUMMARY

The Bush Terminal site is located at the end of 43rd Street in the Sunset Park neighborhood of Brooklyn. The site is near the planned Made in New York campus as well as the Industry City complex and the South Brooklyn Marine Terminal.



The wider Bush Terminal area is both an employment hub and part of the Sunset Park residential neighborhood.

Waterside access to this site is similar to the existing NYC Ferry landing at Sunset Park/Brooklyn Army Terminal, located a mile to the southwest. Due to this proximity, the route relationship between these two sites would need careful consideration.

A landing would need a barge with piles and potentially a fixed pier in order to berth a vessel for ferry service at this site.

Depending on the route configuration, a landing at this site could provide a faster connection to Manhattan compared to existing transit options, given that this growing waterfront job center is approximately a 15 walk from the closest subway.

MARKET AREA

The market area for potential ferry trips from Bush Terminal includes the area from Prospect Expressway (Route 27) to Gowanus Expressway (I-278), and extending as far as 4th Avenue.



- **Daily Commute Transit Trips:** ~5,700
  - **Trips to Lower Manhattan:** ~980
  - **Trips to Midtown Manhattan:** ~745
- **Transit Access:** Bus and Subway
  - **Bus:** B11 ~0.4 miles from site
  - **Subway:** N and R lines ~0.6 miles from site
- **Ferry Travel Time to Manhattan:** Direct ferry trip would be faster than transit.

Bush Terminal

BACKGROUND INFORMATION

Neighborhood Characteristics

The site is located in the Sunset Park neighborhood. Surrounding uses are primarily manufacturing and industrial use.

Adjacent Properties / Waterway Use / Special Sites

The existing Sunset Park/Brooklyn Army Terminal landing site is located approximately 0.75 miles southwest along the waterfront. Industry City is located nearby. The South Brooklyn Marine Terminal is located three blocks to the north, also along the waterfront.

Recent and Planned Substantial Development near Potential Sites

NYCEDC is developing the Made in New York campus adjacent to Bush Terminal Piers Park, anticipated to complete construction in 2020. The site will include a 200,000-square-foot garment manufacturing hub, and a 100,000-square-foot film and television production facility, and is anticipated to create 1,500 jobs. Further investment in Industry City is expected.

Latitude, Longitude	40.654899, -74.017061
Census Tract	18
Approx. Location	Marginal St and 43rd St, Brooklyn, NY 11232
Previously Studied by EDC	No
Borough	Brooklyn
Borough President	Eric Adams
City Council District	38
Council Member	Carlos Menchaca
Community Board	7

PHYSICAL AND NAVIGATIONAL CONSIDERATIONS

Upland Access

The most likely site for a ferry landing would be the end of 43rd Street by the northwestern entrance to Bush Terminal Piers Park, which has both bicycle and pedestrian access. The blocks adjacent to the site are mainly industrial. The park has a small parking lot (approximately 50 spaces) in proximity to the potential ferry landing.



Bush Terminal

Existing Infrastructure

There are no servicable pier structures remaining at this location; rather, much of the park consists of walkways built on rock/rubble jetties that form the boundaries of the park. New NYC Ferry facilities would need to be installed and would likely require a new pier.

- **Ownership:** NYC Department of Small Business Services
- **Zoning:** M3-1

Implementation Requirements

- Requires installation of a standard NYC Ferry landing including a barge and gangway. Depending upon the water depths in the preferred location, a fixed pier may be necessary to move the barge away from the rock/rubble jetties.
- The extent of the offshore pier ruins may need to be determined to assess safe waterside access.
- **Approvals needed:** Environmental Review; New York State Department of Environmental Conservation and United States Army Corps of Engineers in-water construction permits; Mayoral Zoning Override
- **Estimated Capital Cost:** $8-12 million depending on the length and cost of pier

Waterside Access

Waterside access would be through the waters of New York Harbor Upper Bay and across the Bay Ridge Channel. This access would be very similar to waterside access to the existing ferry service at Sunset Park/Booklyn Army Terminal. Water depths appear adequate, but pier ruins and pile remnants in proximity to the site would need to be assessed for safe in-close navigation.

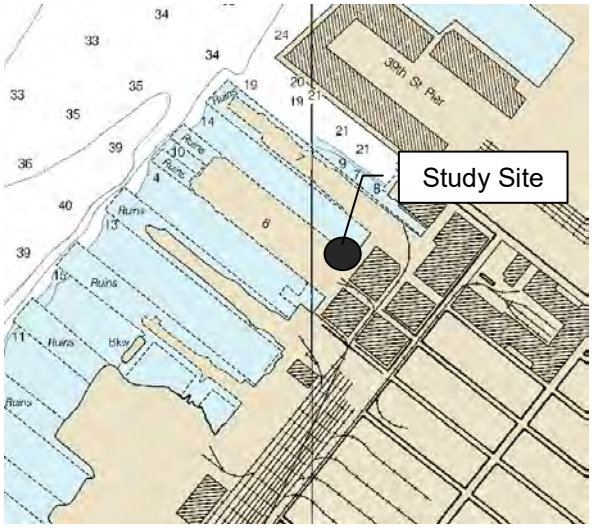
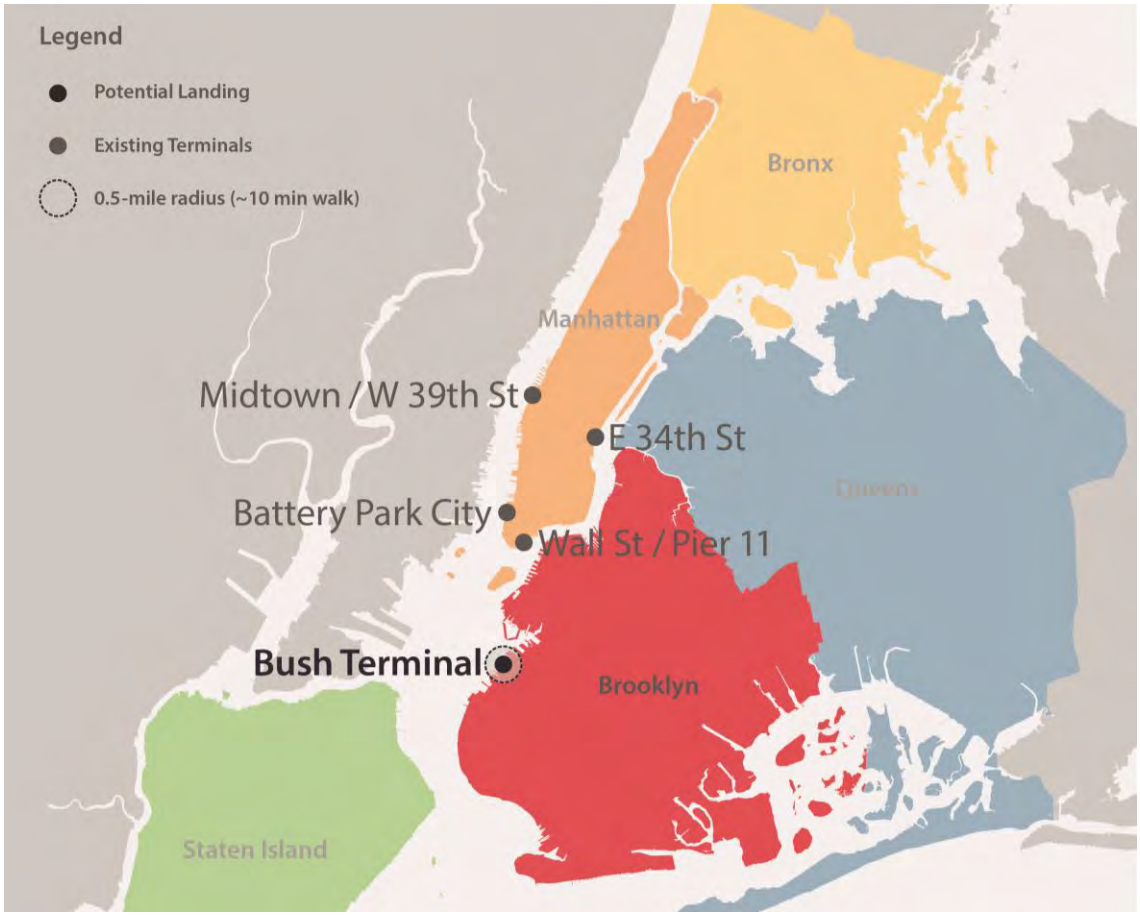


Figure shows water depth in feet at mean lower low water. NYC Ferry planning uses a minimum of 12 feet water depth when evaluating sites.

Bush Terminal

TRAVEL TIME COMPARISON

The estimated direct ferry travel time is faster than transit, but the inclusion of a Bush Terminal stop in a route with other stops would dictate whether ferry service would be time competitive.



The table below shows approximate travel times to Lower and Midtown Manhattan from a central address in the study neighborhood, including some walk time to/from transit or ferry.

Destination	Car	Transit	Direct Ferry	Direct Ferry vs. Existing Transit
Lower Manhattan (Battery Park City)	**24-55 min / $3.11**	*(1 transit leg)* **43 min / $2.75**	*(~4 miles)* **26 min / $2.75**	**-17 min**
Midtown West (Midtown / West 39th Street)	**30-75 min / $4.74**	*(1 transit leg)* **48 min / $2.75**	*(~8 miles)* **37 min / $2.75**	**-11 min**

Sheepshead Bay

SUMMARY



Sheepshead Bay ferry landing could be located inside Sheepshead Bay at either the eastern end of Manhattan Beach adjacent to Kingsborough Community College or across the Bay at the terminus of Brigham Street, both in southern Brooklyn.

There is no existing landing infrastructure at either location. Sheepshead Bay experiences relatively heavy recreational boating traffic, with an active vessel anchorage area throughout the Bay, representing a navigational challenge that would need to be managed. Locations further into the Bay were not considered because of the volume of recreational traffic, the varying water depths, and the slow speeds required within the Bay. The beach on the southern shore of Manhattan Beach was also explored, but the site was determined to be too exposed to adverse weather conditions to be considered as a ferry landing site.

On average, a non-stop ferry trip would only be similar to existing transit travel times to Lower and Midtown Manhattan.

MARKET AREA

The market area for potential ferry trips from Sheepshead Bay includes the area east of Coney Island Avenue, south of Avenue V, and west of Gerritsen Avenue. This market area would be different depending on which side of the Bay the ferry landing was located.



- **Daily Commute Transit Trips:** ~7,200
  - **Trips to Lower Manhattan:** ~800
  - **Trips to Midtown Manhattan:** ~700
- **Transit Access:** Bus
  - **Bus:** B1 and B49 ~.3 miles from site
  - **Subway:** B and Q Lines ~1.5 miles
- **Ferry Travel Time to Manhattan:** Direct ferry trip would be similar to transit to both Manhattan destinations.

Sheepshead Bay

BACKGROUND INFORMATION

Neighborhood Characteristics

The Manhattan Beach and Sheepshead Bay neighborhood is primarily residential, comprised of single-family homes. Kingsborough Community College is located at the eastern end of Manhattan Beach.

Adjacent Properties / Waterway Use / Special Sites

The site is adjacent to the 71-acre Kingsborough Community College, which has approximately 20,000 students. Manhattan Beach Park is located nearby.

Recent and Planned Substantial Development near Potential Site

No major recent or potential developments in proximity to the sites were identified.

Latitude, Longitude	40.581056, -73.937286
Census Tract	616
Approx. Location	Shore Blvd and Pembroke St, Brooklyn, NY 11235
Previously Studied by EDC	No
Borough	Brooklyn
Borough President	Eric Adams
City Council District	48
Council Member	Chaim M. Deutsch
Community Board	15

PHYSICAL AND NAVIGATIONAL CONSIDERATIONS

Upland Access

The Manhattan Beach site is easily accessible for pedestrians via a 17-foot-wide waterfront walkway. Limited on-street parking is available on Shore Boulevard and in the neighborhood. A gangway would likely need to be constructed from the seawall to move passengers to a fixed barge accommodating ferry operations.

The Bringham Street site consists of a public right of way with vehicle parking on the east and west sides of the street with limited pedestrian improvements. Pedestrian and bicycle infrastructure improvements would likely be needed for safe access to a landing at this location.



Seawall along the south side of Sheepshead Bay.

Sheepshead Bay

Existing Infrastructure

There is no existing in-water infrastructure suitable for NYC Ferry. A typical NYC Ferry bow-loading landing would need to be constructed. Siting and configuration of a new barge would need to be coordinated with NYC Parks to ensure safe ferry operations and minimize the impact on recreational boat traffic.



Looking southeast at the entrance of Sheepshead Bay.

- **Ownership:** City Ownership
- **Zoning:** R3-1

Implementation Requirements

- Construct standard NYC Ferry landing from the seawall at either location.
- **Approvals needed:** Environmental Review; New York State Department of Environmental Conservation and United States Army Corps of Engineers in-water construction permits; agreement with New York City Department of City Planning New York City Department of Parks and Recreation; Mayoral Zoning Override
- **Estimated Capital Cost:** $8 million

Waterside Access

Waterside access to this site would be from Rockaway Inlet into Sheepshead Bay through well-marked waterways. Sheepshead Bay is an active recreational boating area, possessing two anchorages for vessels separated by a marked channel. Ferries entering Sheepshead Bay would need to slow to a safe navigating speed.

The center of the channel is approximately 200 feet north of the southern shore. The entrance to Sheepshead Bay is wide enough to support ferry transits but sand build up on the southern edge of the entrance may need to be managed over time to ensure continued adequacy of water depths. The mooring bouys in the anchorage are managed by NYC Parks, and coordination would be required with Parks to establish a permanent access through the south anchorage area for ferry operations.

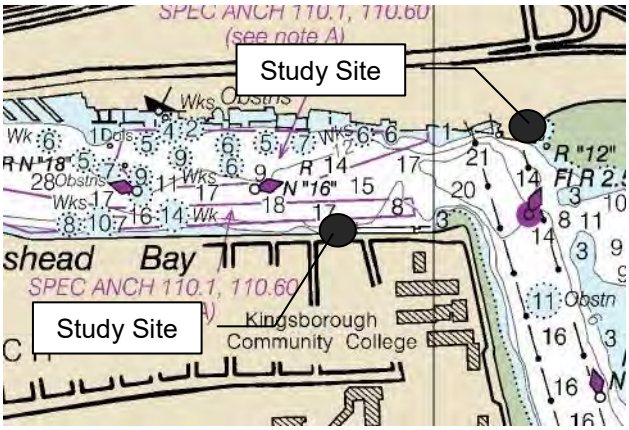
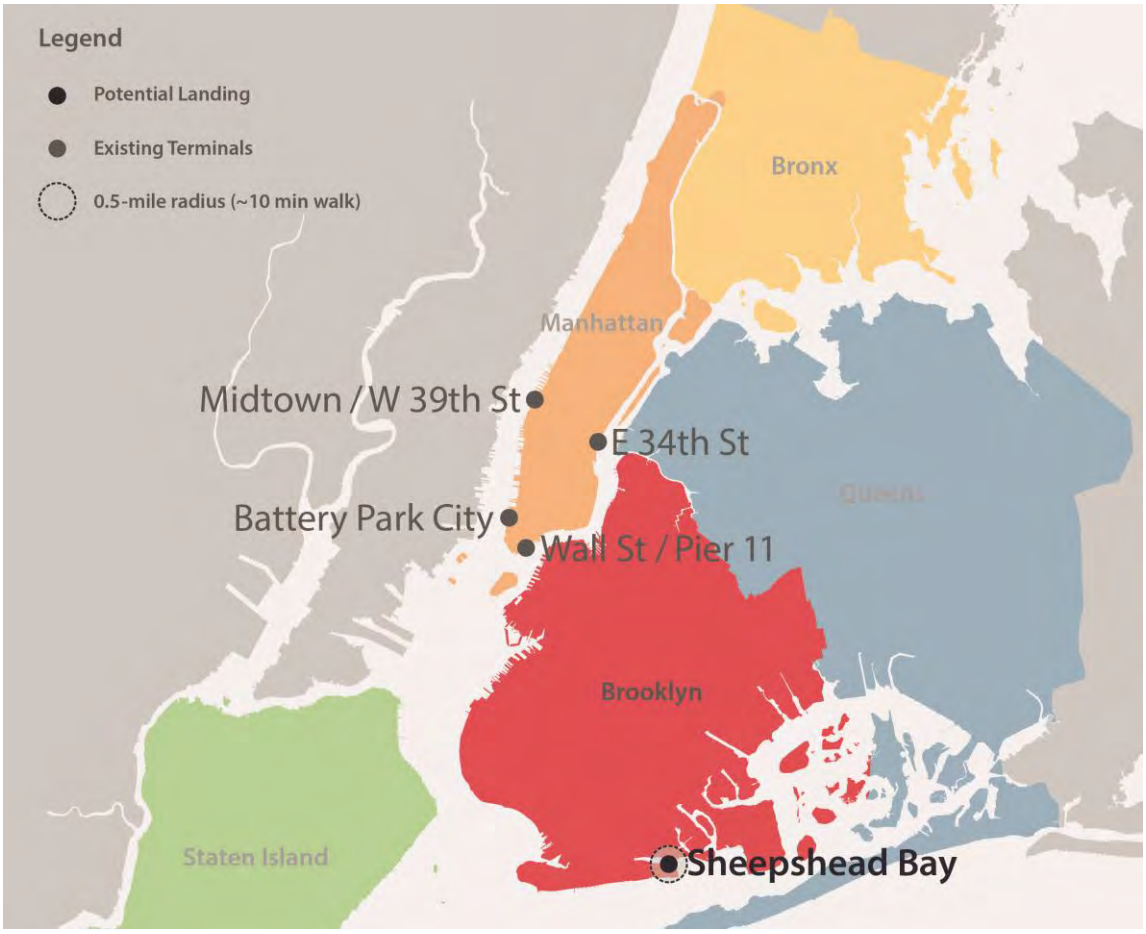


Figure shows water depth in feet at mean lower low water. NYC Ferry planning uses a minimum of 12 feet water depth when evaluating sites.

Sheepshead Bay

TRAVEL TIME COMPARISON

A direct ferry service from Sheepshead Bay to the Battery Park City or Midtown / West 39th Street Terminal would be comparable to existing transit options. Travel time estimates to the terminals at Wall St/Pier 11 and East 34th Street ferry terminals would be comparable.



The table below shows approximate travel times to Lower and Midtown Manhattan from a central address in the study neighborhood, including some walk time to/from transit or ferry.

Destination	Car	Transit	Direct Ferry	Direct Ferry vs. Existing Transit
Lower Manhattan (Battery park City)	**35-75 min / $8.56**	*(3 transit legs)* **60 min / $2.75**	*(~16 miles)* **56 min / $2.75**	**-4 min**
Midtown West (Midtown / West 39th Street)	**40-100 min / $9.92**	*(2 transit legs)* **71 min / $2.75**	*(~19 miles)* **68 min / $2.75**	**-3 min**

Bath Beach

SUMMARY

The Bath Beach site is located in southern Brooklyn at the end of Bay Parkway and is adjacent to Bensonhurst Park and Caesar's Bay Shopping Center. There is no supporting waterfront infrastructure at this location, so a new landing facility would need to be installed.

A terminal at this location could provide a faster alternative to existing transit options for people traveling to/from Lower and Midtown Manhattan.

This site is relatively exposed to the sea and wind coming from the southwest. This could lead to times of vessel-dock interface issues that may make reliable service from this site problematic.



MARKET AREA

The market area for potential ferry trips from Bath Beach includes the area east of 18th Avenue, south of Bay Ridge Parkway and Avenue P, west of Coney Island Avenue, and north of Belt Parkway.



- **Daily Commute Transit Trips:** ~23,350
  - **Trips to Lower Manhattan:** ~3,000
  - **Trips to Midtown Manhattan:** ~2,555
- **Transit Access:** Bus
  - **Bus:** B6, B82, X28, X38 ~0.3 miles from site
  - **Subway:** D Line ~0.7 miles
- **Ferry Travel Time to Manhattan:** A direct ferry offers a slightly faster trip than transit to both Manhattan destinations.

Bath Beach

BACKGROUND INFORMATION

Neighborhood Characteristics

The community of Bath Beach is comprised of mainly semi-attached houses and low-rise apartment buildings, with a mix of commercial properties.

Adjacent Properties / Waterway Use / Special Sites

The properties adjacent to this location are Bensonhurst Park and Caesar's Bay Shopping Center. The Adventures Amusement Park is located approximately a half a mile south.

Recent and Planned Substantial Development near Potential Site

No substantial development plans were noted in this area.

Latitude, Longitude	40.594147, -74.002164
Census Tract	292 / 294
Approx. Location	Bay Pkwy and Shore Pkwy, Brooklyn, NY 11214
Previously Studied by EDC	No
Borough	Brooklyn
Borough President	Eric Adams
City Council District	43
Council Member	Justin Brannan
Community Board	11

PHYSICAL AND NAVIGATIONAL CONSIDERATIONS

Upland Access

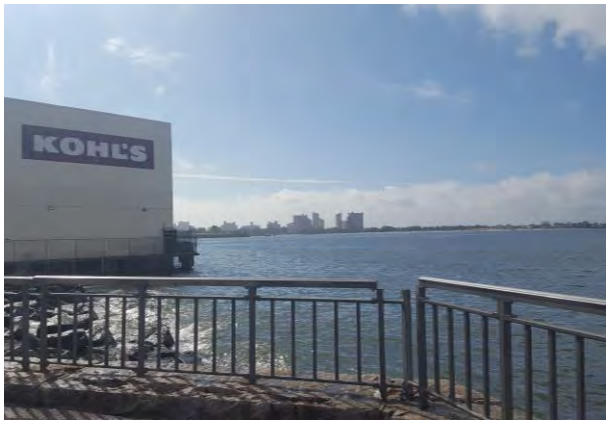
In proximity to this site, Bay Parkway has wide sidewalks on both sides and perpendicular parking spaces on both sides. A pedestrian and bike path runs along the waterfront of Bensonhurst Park and connects to the site. There is a large parking lot adjacent to the site connected to the Caesar's Bay Shopping Center.



Bath Beach

Existing Infrastructure

There is no existing in-water infrasturcture at the site. A standard NYC Ferry landing with a barge and gangway would need to be constructed.



- **Ownership:** NYC Parks and Recreation
- **Zoning:** C4-2A

Implementation Requirements

- Requires installation of a standard NYC Ferry landing including a barge and gangway
- **Approvals needed:** Environmental Review; New York State Department of Environmental Conservation and United States Army Corps of Engineers in-water construction permits, Mayoral Zoning Override
- **Estimated Capital Cost:** $8 million

Waterside Access

Access to this site would be straightforward through Gravesend Bay. Water depths appear adequate up to a location directly off the street end and up to the existing promenade where they may be too shallow, which would likely require a fixed pier to get to sufficient water depths. A detailed water depth survey would be required to confirm feasibility. The location may receive some protection from weather by Norton Point on Coney Island, but the site is open to the southwest winds that would be considerable. These winds could lead to times of vessel-dock interface issues that may make reliable service from this site problematic.

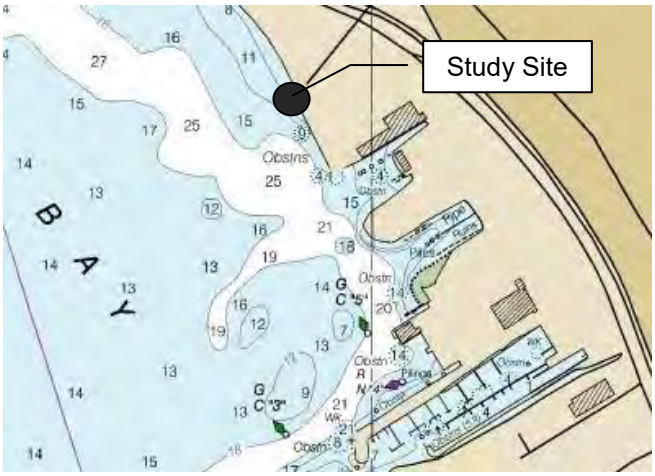
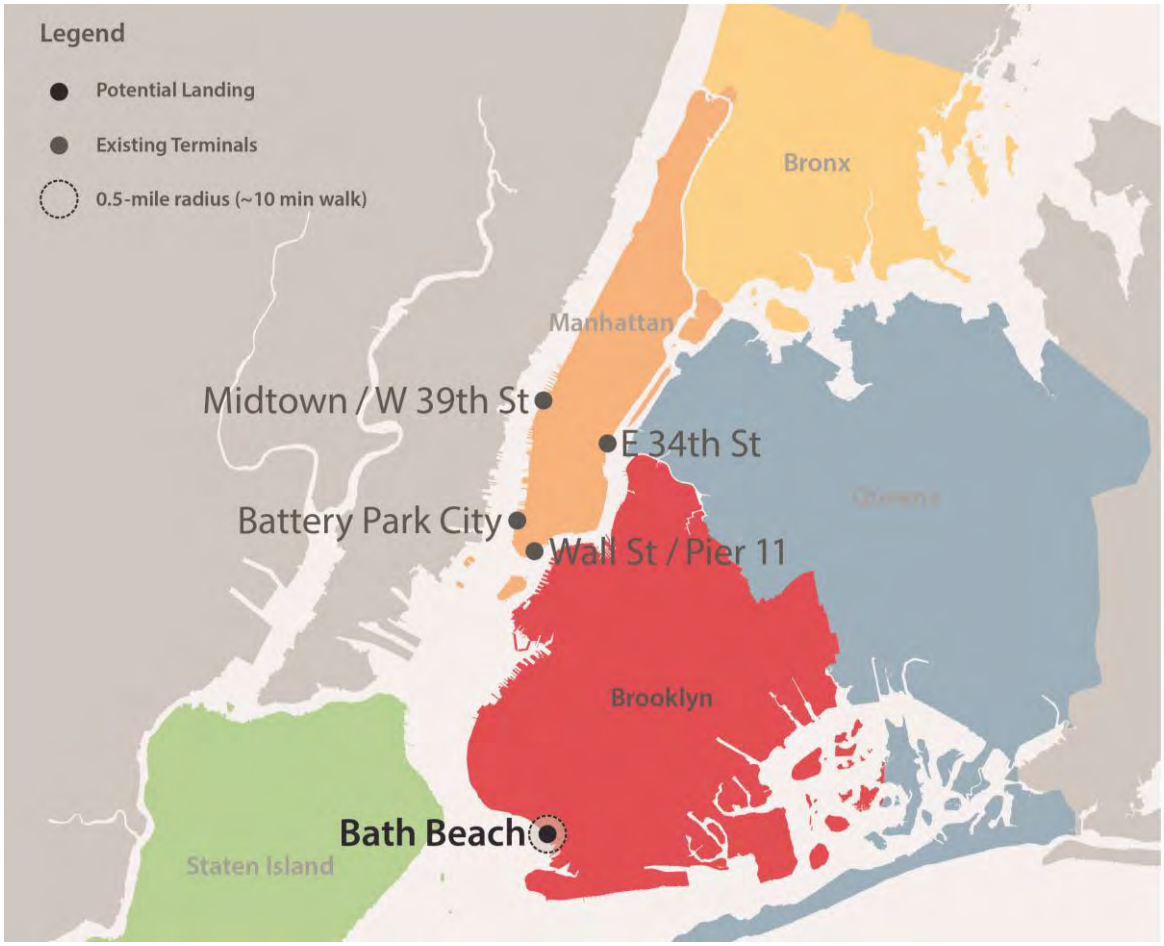


Figure shows water depth in feet at mean lower low water. NYC Ferry planning uses a minimum of 12 feet water depth when evaluating sites.

Bath Beach

TRAVEL TIME COMPARISON

The estimated direct ferry travel time is marginally faster than transit, but the inclusion of a Bath Beach stop in a route with other stops would determine whether ferry service would be time competitive to existing transit options.



The table below shows approximate travel times to Lower and Midtown Manhattan from a central address in the study neighborhood, including some walk time to/from transit or ferry.

Destination	Car	Transit	Direct Ferry	Direct Ferry vs. Existing Transit
Lower Manhattan (Battery Park City	**25-65 min / $6.65**	*(2 transit legs)* **50 min / $2.75**	*(~10 miles)* **44 min / $2.75**	**-6 min**
Midtown West (Midtown / West 39th Street)	**35-85 min / $8.07**	*(2 transit legs)* **60 min / $2.75**	*(~14 miles)* **56 min / $2.75**	**-4 min**

West 70th Street

SUMMARY

The pier at West 70th Street is located in the Upper West Side neighborhood of Manhattan along the Hudson River Park. With high-density residential development adjacent to the pier, this site could serve commuters living close to the water who would normally walk east to access the subway. The ferry could provide comparable travel times as other transit options to other Manhattan destinations.



While there is an existing pier structure, modifications would be required to the pier to accommodate the requisite ferry infrastructure. A new NYC Ferry landing would need installation of a gangway, guide piles, and a barge.

This site profile examines the West 70th Street Pier specifically, but other sites between West 55th Street and West 70th Street could be alternatives to ferry landing placement within the neighborhood.

MARKET AREA

The market area studied is within approximately 0.5 miles (58th Street to 82nd Street) of the study site.



- **Daily Commute Transit Trips:** ~34,700
  - **To Lower Manhattan:** ~1,100
  - **To Midtown Manhattan:** ~5,700
- **Transit Access:** Bus and Subway
  - **Bus:** M72 is adjacent to the site. M5, M11, M57, M66, M104 ~0.5 miles from site
  - **Subway:** 1, 2 and 3 Trains ~0.5 miles from site
- **Ferry Travel Time to Manhattan:** Similar transit to Lower Manhattan, slower than transit to Midtown.

West 70th Street

BACKGROUND INFORMATION

Neighborhood Characteristics

The adjacent neighborhood consists of high-density residential development. There is a commercial area parallel to the waterfront that serves the residential districts within the neighborhood.

Adjacent Properties / Waterway Use / Special Sites

The landing is located immediately adjacent Riverside Park to the north and south with a café adjacent to the pier. There is a walk up a short hill and at-grade crossing of the West Side Highway to access the neighborhood east of the landing. Adjacent land uses also include predominately residential with commercial further east.

Recent and Planned Substantial Development near Potential Site

Three active construction projects within near the site would add 120 residential units in the future.

Latitude, Longitude	40.779798, -73.989279
Census Tract	155/159
Approx. Location	500 W 70th St, New York, NY 10069
Previously Studied by EDC	2011, 2013
Borough	Manhattan
Borough President	Gale Brewer
City Council District	6
Council Member	Helen Rosenthal
Community Board	7

PHYSICAL AND NAVIGATIONAL CONSIDERATIONS

Upland Access

Pedestrian access is via a wide waterfront sidewalk and Riverside Park. The Hudson River Greenway parallels the waterfront, providing pedestrian and bike access. There is no parking located directly near the site.



West 70th Street

Existing Infrastructure

The infrastructure at this location consists of a relatively new approximately 700-foot-by-60-foot pier, which is part of the Riverside Park. The pier does not include a gangway, barge, and guide piles that would support ferry operations, but it does have locations appropriate to add them. A ferry barge would likely be located along the pier rather than near the shore.



- **Ownership:** NYC Parks and Recreation
- **Zoning:** PARK

Implementation Requirements

- A gangway, barge and guide piles to berth a ferry.
- Design and placement of a barge need to consider the Pier 1 Gantry ruins.
- **Approvals needed:** Environmental Review; New York State Department of Environmental Conservation and United States Army Corps of Engineers in-water construction permits
- **Estimated Capital Cost:** $8 million

Waterside Access

The applicable water depth chart does not show the relatively new pier at the end of West 70th Street, but clearly shows where the pier is located. Waterside access on the up-river side of the pier appears unencumbered, except the water depths may be reduced near shore and would need to be confirmed if the new landing were constructed in this location.

On the down-river side of the pier, the water depths appear adequate, but remnants from the Pier 1 Gantry structure remain. These ruins may represent an impediment for inshore ferry operations, but appear not to interfere with offshore maneuvering. Site selection on this side of the pier would need to consider these potential obstructions.

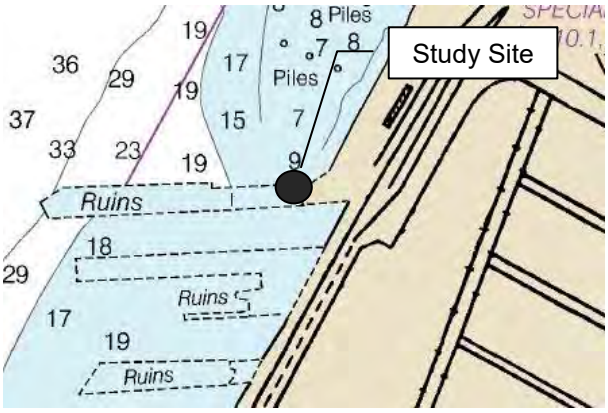
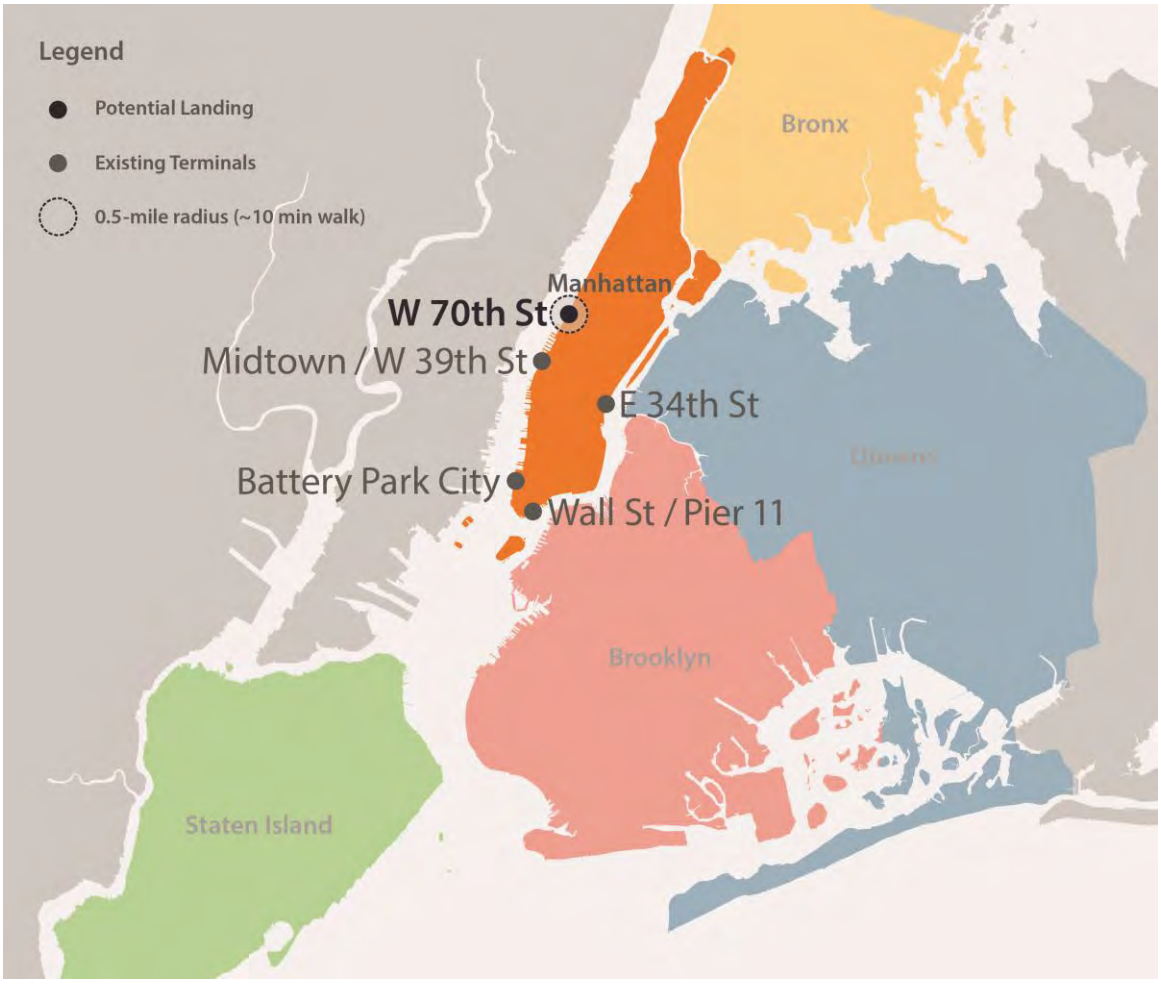


Figure shows water depth in feet at mean lower low water. NYC Ferry planning uses a minimum of 12 feet water depth when evaluating sites.

West 70th Street

TRAVEL TIME COMPARISON

The direct ferry trip time to Lower Manhattan would be similar to transit, but transit is significantly faster than a ferry trip to Midtown Manhattan.



The table below shows approximate travel times to Lower and Midtown Manhattan from a central address in the study neighborhood, including some walk time to/from transit or ferry.

Destination	Car	Transit	Direct Ferry	Direct Ferry vs. Existing Transit
Lower Manhattan (Battery Park City)	**18-50 min / $2.89**	*(1 transit leg)* **30 min / $2.75**	*(~5 miles)* **31 min / $2.75**	**+1 min**
Midtown West (Midtown / West 39th Street)	**8-22 min / $0.98**	*(1 transit leg)* **19 min / $2.75**	*(~ 2 miles)* **29 min / $2.75**	**+10 min**

West 125th Street

SUMMARY

The West 125th Street study site is located at the West Harlem Piers adjacent to the Manhattanville / West Harlem neighborhoods. The potential landing is located along the Hudson River greenway trail system with good pedestrian and bicycle access. Columbia University is in the process of building a new Manhattanville campus in this neighborhood.

The majority of residential density is located inland closer to the subway, which makes ferries less competitive as a mode. Generally, the subway offers faster travel times and more connections to lower and midtown Manhattan compared to a ferry route.



MARKET AREA

The market area for potential ferry trips is within an approximate 0.5 miles (116th Street to 150th Street) of the site.



- **Daily Commute Transit Trips:** ~50,600
  - **Trips to Lower Manhattan:** ~1,000
  - **Trips to Midtown Manhattan:** ~2,700
- **Transit Access:** Bus and Subway
  - **Bus:** M4, M5, M11, M11 and M1.04 ~0.5 miles from site
  - **Subway:** 72nd Street/Broadway Station (lines 1 and 2) ~0.5 miles from site
- **Ferry Travel Time to Manhattan:** Comparable to transit to Lower Manhattan, longer than transit to Midtown.

West 125th Street

BACKGROUND INFORMATION

Neighborhood Characteristics

The West 125th Street landing is adjacent to the Manhattanville / West Harlem neighborhoods. The area has primarily of high-density residential and neighborhood commercial development. The wider neighborhood is also home to Columbia University.

Adjacent Properties / Waterway Use / Special Sites

The pier connects to West Harlem Piers Park via an existing trail system along the waterfront. East of the pier is residential and commercial development. The site is approximately 0.25 miles from the Riverside Park Community, with 1,200 apartment units.

Recent and Planned Substantial Development near Potential Site

Columbia University is building a new campus near this location; the first buildings opened in 2018.

Latitude, Longitude	40.819924, -73.960456
Census Tract	219
Approx. Location	Marginal St and W 132nd St, New York, NY 10027
Previously Studied by EDC	2011, 2013
Borough	Manhattan
Borough President	Gale Brewer
City Council District	7
Council Member	Mark Levine
Community Board	9

PHYSICAL AND NAVIGATIONAL CONSIDERATIONS

Upland Access

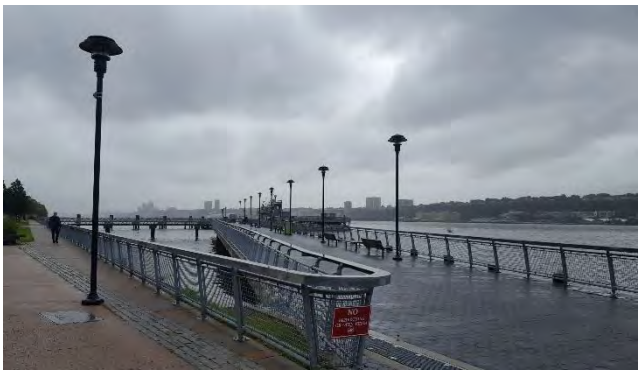
Pedestrian access would be to/from the waterfront sidewalk. The Hudson River Greenway parallels the waterfront, providing pedestrian and bike access. There is limited street parking available near the site.



West 125th Street

Existing Infrastructure

At this location on the Hudson River, there are two potential sites. The West Harlem Pier is a relatively new pier that does not currently possess a barge that would accommodate ferry operations, but a barge could be added to this location. Just down river from this location is the USS Baylander museum that does incorporate a barge with the capability to accommodate a single bow-loader ferry at the southern offshore end of the barge.



- **Ownership:** NYC Department of Small Business
- **Zoning:** M1-1

Implementation Requirements

- Depending upon the site selection, a gangway, barge and guide piles may need to be installed at this location.
- **Approvals needed:** Environmental Review; New York State Department of Environmental Conservation and United States Army Corps of Engineers in-water construction permits; Mayoral Zoning Override
- **Estimated Capital Cost:** $8 million

Waterside Access

This site possesses easy access from the Hudson River. However, the applicable NOAA chart does not show the West Harlem Pier structures. Accordingly, the adequacy of water depths in proximity to the up-river pier is unknown. However, given the proximity of deep water to shore, the use of gangway and barge to attain safe navigation would likely be possible. The down-river site has an existing bow-loading barge and gangway that would appear to accommodate ferry operations. The level of currents in this area are not known, but are not anticipated to interfere with bow-loader ferry operations.

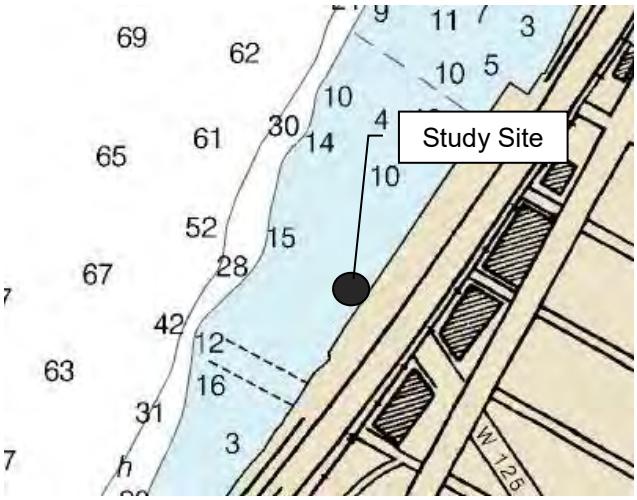


Figure shows water depth in feet at mean lower low water. NYC Ferry planning uses a minimum of 12 feet water depth when evaluating sites.

West 125th Street

TRAVEL TIME COMPARISON

On average, a direct ferry trip would be comparable to transit when traveling to Lower Manhattan but longer than existing transit when traveling to Midtown. Ferry travel times would increase on a route with multiple stops.



The table below shows approximate travel times to Lower and Midtown Manhattan from a central address in the study neighborhood, including some walk time to/from transit or ferry.

Destination	Car	Transit	Direct Ferry	Direct Ferry vs. Existing Transit
Lower Manhattan (Battery Park City)	**24-55 min / $4.80**	*(1 transit leg)* **41 min / $2.75**	*(~8 miles)* **38 min / $2.75**	**-3 min**
Midtown West (Midtown / West 39th Street)	**16-35 min / $3.11**	*(1 transit leg)* **25 min / $2.75**	*(~5 miles)* **37 min / $2.75**	**+12 min**

Inwood / Dyckman Street

SUMMARY

The ferry study site is located at the end of Dyckman Street at the southern waterfront end of Inwood Hill Park in Manhattan.

The Inwood neighborhood begins about 800 feet east of the ferry site and has two subway lines, which are faster than any potential ferry route.

An existing pier that would likely require modifications to support a ferry barge. The site appears to have adequate water depths and no noted navigational obstacles.



MARKET AREA

The market area for potential ferry trips from Inwood / Dyckman Street includes all areas within approximately 0.5 miles (190th Street to northern edge of Manhattan) of the site.



- **Daily Commute Transit Trips:** ~19,100
  - **Trips to Lower Manhattan:** ~290
  - **Trips to Midtown Manhattan:** ~640
- **Transit Access:** Bus and Subway
  - **Bus:** M4, and M100 within 0.35 miles from site
  - **Subway:** Dyckman Street Station (A Train) is ~0.35 miles from site; 1 Train is ~0.65 miles from site
- **Ferry Travel Time to Manhattan:** Comparable to transit to Lower Manhattan, longer than transit to Midtown Manhattan.

Inwood / Dyckman Street

BACKGROUND INFORMATION

Neighborhood Characteristics

The Inwood neighborhood that borders the park area is primarily low-density commercial and mid-density residential with commercial space at street level. The intersection of Broadway and Dyckman Street, two of Inwood's major commercial corridors, is about 0.3 miles away from the potential ferry landing.

Adjacent Properties / Waterway Use / Special Sites

There is park space and greenways along the waterfront to the north and south of the potential landing. Immediately south of the landing is a small recreational marina, and south of the marina is a community canoe and kayak club.

Recent and Planned Substantial Development near Potential Site

In August 2018, the City Council approved a rezoning and Inwood NYC Action Plan for $200 million investment to the neighborhood, with goals that include connecting the neighborhood to the Harlem River and improving infrastructure for increased connectivity.

Latitude, Longitude	40.869401, -73.932164
Census Tract	287/297
Approx. Location	348 Dyckman St, New York, NY 10034
Previously Studied by EDC	2011, 2013
Borough	Manhattan
Borough President	Gale Brewer
City Council District	10
Council Member	Ydanis Rodriguez
Community Board	12

PHYSICAL AND NAVIGATIONAL CONSIDERATIONS

Upland Access

Pedestrian access is available via sidewalk and the Inwood Hill Park walkways. The Hudson River Greenway parallels the waterfront, providing pedestrian and bike access. There is a small parking lot located near the marina.



Inwood / Dyckman Street

Existing Infrastructure

The pier at the Dyckman Marina is an L-shaped pier. The offshore side of this pier could accommodate a gangway and barge that would be necessary to support ferry operations. Structural modifications to the existing pier, or construction of a new pier, are likely necessary to accommodate the gangway and barge.

The Inwood Action Plan includes $22 million for repairs to Dyckman Pier and improvements to access the pier to encourage cultural and excursion vessels to use the facility.

Waterside Access

The Hudson River provides ready access to this location from either the south or north. The river depths would support ferry operations up to and around the pier. There may be river currents at this location, but they should not interfere with ferry operations. The Hudson River Community Sailing marina is located down river to the south, as well as the Inwood Canoe Club.

- **Ownership:** NYC Parks and Recreation
- **Zoning:** R7-2

Implementation Requirements

- A structural inspection would be necessary to determine if structural modifications are required to accommodate a gangway and barge.
- Coordination with the marina and canoe club.
- **Approvals needed:** Environmental Review; New York State Department of Environmental Conservation and United States Army Corps of Engineers in-water construction permits; Mayoral Zoning Override
- **Estimated Capital Cost:** $8 million



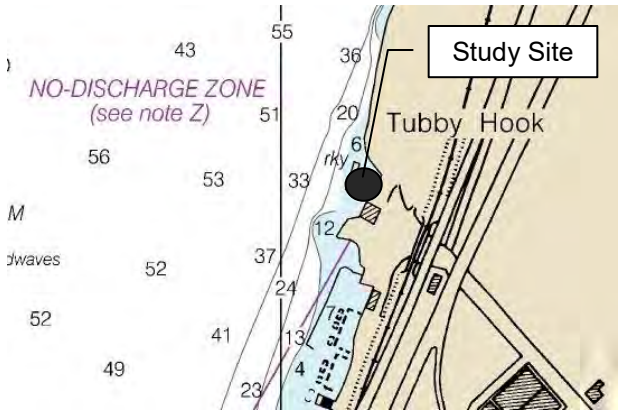


Figure shows water depth in feet at mean lower low water. NYC Ferry planning uses a minimum of 12 feet water depth when evaluating sites.

Inwood / Dyckman Street

TRAVEL TIME COMPARISON

A direct ferry would be a little slower than current transit when traveling to Lower and Midtown Manhattan, though additional stops on the route would slow the ferry time even more.



The table below shows approximate travel times to Lower and Midtown Manhattan from a central address in the study neighborhood, including some walk time to/from transit or ferry.

Destination	Car	Transit	Direct Ferry	Direct Ferry vs. Existing Transit
Lower Manhattan (Battery Park City)	**28-60 min / $6.65**	*(2 transit legs)* **41 min / $2.75**	*(~12 miles)* **44 / $2.75**	**+3 min**
Midtown West (Midtown / West 39th Street)	**20-40 min / $5.01**	*(1 transit leg)* **35 min / $2.75**	*(~8.5 miles)* **42 / $2.75**	**+7 min**

Randall's Island

SUMMARY

The Randall's Island study site focused on the existing ferry landing on the northwestern corner of the island. Sports fields and facilities, plus a wastewater treatment plant and hospitals predominantly occupy Randall's Island.

The primary users of the existing ferry landing are charter vessels for special events and festivals.



MARKET AREA

The market area for potential ferry trips from this location includes all of Randall's Island.



- **Daily Commute Transit Trips:** ~3,000
  - **Trips to Lower Manhattan:** Less than 30
  - **Trips to Midtown Manhattan:** Less than 30
- **Transit Access:** Bus
  - M35 bus stops are ~0.4 miles away.
- **Ferry Travel Time to Manhattan:** Direct ferry could be faster than transit to Lower Manhattan and comparable to Midtown East.

Randall's Island

BACKGROUND INFORMATION

Neighborhood Characteristics

The Island is primarily a park with a water treatment facility on the east side of the island and some hospitals, shelters, and other activities to the south.

Adjacent Properties / Waterway Use / Special Sites

The park consists of sports fields and trails. On the east side of the island there is a water treatment facility. Randall's Island Park frequently hosts special events like music festivals and art fairs. Private ferry companies currently provide chartered service to the island.

Recent and Planned Substantial Development near Potential Site

Planning is underway for a new golf center nearby the existing ferry landing, anticipated to be complete by 2020.

Latitude, Longitude	40.797368, -73.927246
Census Tract	240
Approx. Location	1 Randall's Is. Rd, New York, NY 10035
Previously Studied by EDC	2011
Borough	Manhattan
Borough President	Gale Brewer
City Council District	8
Council Member	Diana Ayala
Community Board	11

PHYSICAL AND NAVIGATIONAL CONSIDERATIONS

Upland Access

The Harlem River Pathway parallels the waterfront, providing pedestrian and bike access. Car access to the island is via the RFK (Triborough) Bridge. There is free parking on the island.



Randall's Island

Existing Infrastructure

This site on Harlem River possesses an existing barge that connects via gangway to shore at Randall's Island Road. The gangway and barge could support NYC Ferry operations.The barge is fit with three bow-loading slips, providing good flexibility and redundancy.



- **Ownership:** NYC Parks and Recreation
- **Zoning:** PARK use

Implementation Requirements

- Vessel fit-up and alignment would need to be validated.
- **Approvals needed:** Department of Parks and Recreation
- **Estimated Capital Cost:** If the existing structure can be utilized, less than $2 million for anticipated upgrades

Waterside Access

Waterside access to this site would be through the Harlem River, which is connected directly to the East River, providing straightforward and well marked vessel access. The NOAA chart indicates shallow water near shore to the down-river side of the existing barge, but this should not represent a navigational impediment to service at this location.

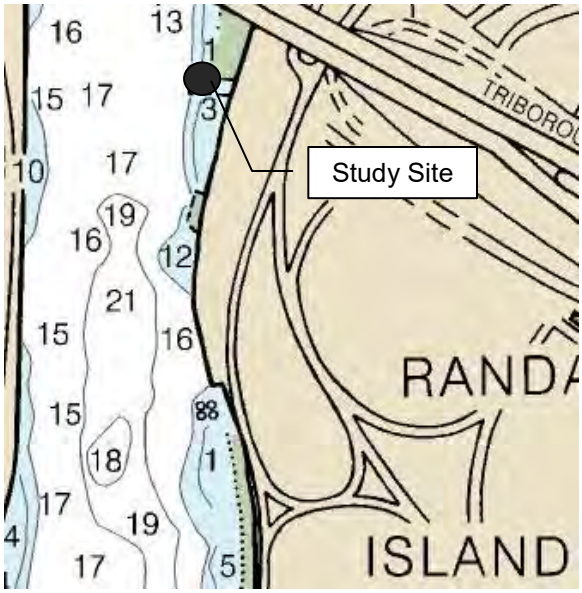


Figure shows water depth in feet at mean lower low water. NYC Ferry planning uses a minimum of 12 feet water depth when evaluating sites.

Randall's Island

TRAVEL TIME COMPARISON

A direct ferry trip would be faster than transit to Lower Manhattan and slightly faster than transit to Midtown East.



The table below shows approximate travel times to Lower and Midtown Manhattan from a central address in the study neighborhood, including some walk time to/from transit or ferry.

Destination	Car	Transit	Direct Ferry	Direct Ferry vs. Existing Transit
Lower Manhattan (Wall Street / Pier 11)	**30-55 min / $5.78**	*(2 transit legs)* **52 min / $2.75**	*(~8 miles)* **43 min / $2.75**	**-9 min**
Midtown East (East 34th Street)	**26-50 min / $3.76**	*(2 transit legs)* **41 min / $2.75**	*(~4 miles)* **40 min / $2.75**	**-1 min**

East Harlem

SUMMARY



The East Harlem waterfront was requested by the general public and elected officials to include in the 2018 study. The area between East 102nd and East 117th streets were looked at, with consideration to where a ferry landing could be placed that is near pedestrian crossings over FDR Drive.

The neighborhood consists primarily of medium-density residential and neighborhood commercial development. The waterfront is four blocks from the Lexington Avenue subway, and Phase 2 of the Second Avenue subway could bring further transit connectivity in the future.

Within the study area, there is an existing NYC Parks and Recreation pier at 107th Street, though it is currently closed to the public. Either repair of this pier or an entirely new pier structure would be required in order to reach the water depths needed for ferry service. At this part of the East River a pier would need to extend into the channel 300 to 400 feet.

MARKET AREA

The estimated market area for potential ferry passengers is between 94th Street and 105th Street east of 3rd Avenue and approximately from 105th Street to 132nd Street east of 5th Avenue.



- **Daily Commute Transit Trips:** ~10,200
  - **Trips to Lower Manhattan:** ~200
  - **Trips to Midtown Manhattan:** ~1,200
- **Transit Access:** Bus
  - **Bus:** M106, M15, M15-SBS are located within ~0.4 miles from the site.
  - **Subway:** 110 St Station 6 line ~0.6 miles from site
- **Ferry Travel Time to Manhattan**: Direct ferry would be faster than transit to Lower Manhattan, slower than transit to Midtown.

East Harlem

BACKGROUND INFORMATION

Neighborhood Characteristics

The site borders the East Harlem North and South neighborhoods that are primarily medium-density residential housing. There are neighborhood commercial areas concentrated along 2nd Avenue and Lexington Ave west of the landing.

Adjacent Properties / Waterway Use / Special Sites

The sites are near the 1199 Plaza development, which include 1,500 housing units. Thomas Jefferson Park is located one block to the north of the landing site, and includes sports facilities and a pool.

Recent and Planned Substantial Development near Potential Sites

NYCEDC and NYC Parks and Recreation have identified this section of waterfront for a restoration and preservation project as part of the continuous waterfront esplanade. Separately, a rezoning plan was approved in November 2017 for the East Harlem neighborhood to allow higher density development.

Latitude, Longitude	40.791431, -73.935448
Census Tract	162/178
Approx. Location	East 111th St & FDR Dr, New York, NY 10029
Previously Studied by EDC	No
Borough	Manhattan
Borough President	Gale Brewer
City Council District	8
Council Member	Diana Ayala
Community Board	11

PHYSICAL AND NAVIGATIONAL CONSIDERATIONS

Upland Access

The East 111th Street pedestrian bridge is located adjacent to the site and provides pedestrian access over FDR Drive. Bobby Wagner Walk is a pedestrian and bike pathway running along the Harlem River waterfront. Although Pier 107 is adjacent to the riverfront walkway, there is no access to the dilapidated pier.

The East 107th Street pier can be accessed by crossing FDR Drive from the neighborhood or along the riverfront walkway.



Photo shows East 111th Street Pier.

East Harlem

Existing Infrastructure

A new gangway and barge would be required for passenger ferry service, built off a 300- to 400-foot pier to allow for sufficient water depths for ferry service. There is an existing pier at 107th Street, but is in need of costly capital repairs and currently closed to the public.



Photo shows East 107th Street Pier.

- **Ownership:** NYC Parks and Recreation
- **Zoning:** R7-2

Implementation Requirements

- The existing 107th Street pier would need costly structural repairs.
- A 300- to 400-foot pier that extends into the Harlem River would be required to attain adequate water depths, along with a standard NYC Ferry bow-loading barge.
- **Approvals needed:** Environmental Review; New York State Department of Environmental Conservation and United States Army Corps of Engineers in-water construction permit; agreement with New York City Department of City Planning and New York City Department of Parks and Recreation; Mayoral Zoning Override
- **Estimated Capital Cost:** ~$12+ million depending on pier requirements

Waterside Access

Waterside access to this site would be through the Harlem River, transiting through Hell Gate and into the East River.

Water depths in proximity to the location of the current pier are insufficient for ferry operations.

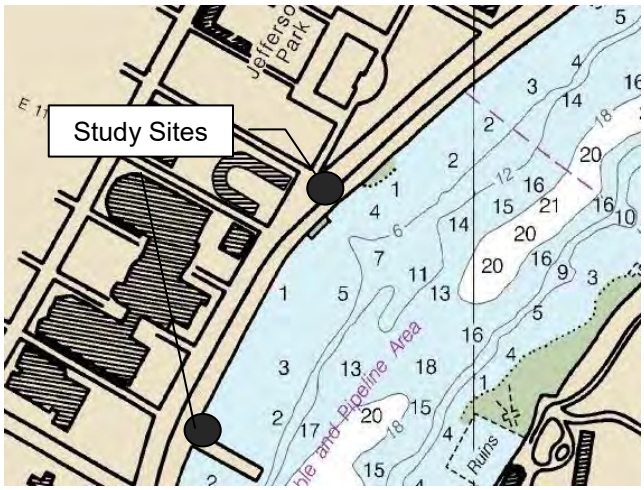


Figure shows water depth in feet at mean lower low water. NYC Ferry planning uses a minimum of 12 feet water depth when evaluating sites.

East Harlem

TRAVEL TIME COMPARISON

A direct ferry trip from this location to Lower Manhattan would be slightly faster than transit, but slower than transit to Midtown East. However, the inclusion of an East Harlem stop in a route with other stops would dictate whether ferry service would be time competitive.



The table below shows approximate travel times to Lower and Midtown Manhattan from a central address in the study neighborhood, including some walk time to/from transit or ferry.

Destination	Car	Transit	Direct Ferry	Direct Ferry vs. Existing Transit
Lower Manhattan (Wall Street / Pier 11)	**24-45 min / $4.69**	*(2 transit legs)* **45 min / $2.75**	*(~5 miles)* **38 min / $2.75**	**-7 min**
Midtown East (East 34th Street)	**20-40 min / $2.67**	*(1 transit leg)* **29 min / $2.75**	*(~ 2 miles)* **35 min / $2.75**	**+6 min**

Chelsea (Pier 57)

SUMMARY

The neighborhood of Chelsea was included in the ferry study, with focus on the Pier 57 site on the Hudson River at the intersection of 11th Avenue and 15th Street. The pier is owned by the Hudson River Trust and leased to Google, but retains public access at the perimeter.

There is no ferry infrastructure in place at this location. For NYC Ferry service, a newly constructed barge would need to be located near the western end of the pier to ensure adequate water depths.

Ferry service to Lower and Midtown Manhattan ferry terminals would be longer than existing transit options.



MARKET AREA

The market area for potential ferry trips from Chelsea (Pier 57) includes the area between Lincoln Tunnel, 10th Ave, and West 23rd Street and the area south of 23rd Street, west of 6th Avenue, and north of the Holland Tunnel.



- **Daily Commute Transit Trips:** ~36,000
  - **Trips to Lower Manhattan:** ~6,000
  - **Trips to Midtown Manhattan:** ~5,100
- **Transit Access:** Bus and Subway
  - **Bus:** M14A, M14D, and M11 ~0.15 miles from site
  - **Subway:** 14th Street Station - A, C, and E ~0.45 miles from site
- **Ferry Travel Time to Manhattan:** Comparable trip time with existing transit to both Manhattan destinations.

Chelsea (Pier 57)

BACKGROUND INFORMATION

Neighborhood Characteristics

The Chelsea neighborhood is primarily residential, with a mix of mid- to high-density housing including apartment buildings, public housing, and townhouses, plus a mix of retail businesses and tech companies.

Adjacent Properties / Waterway Use / Special Sites

One block west of Pier 57 is the Chelsea Market and the High Line, a popular elevated park. Additionally, the Chelsea Piers Sports and Entertainment Complex is located to the north of the site and the Whitney Museum to the south.

Latitude, Longitude	40.743686, -74.011944
Census Tract	99/79
Approx. Location	57 Hudson River Greenway, New York, NY 10011
Previously Studied by EDC	No
Borough	Manhattan
Borough President	Gale Brewer
City Council District	3
Council Member	Corey Johnson
Community Board	4

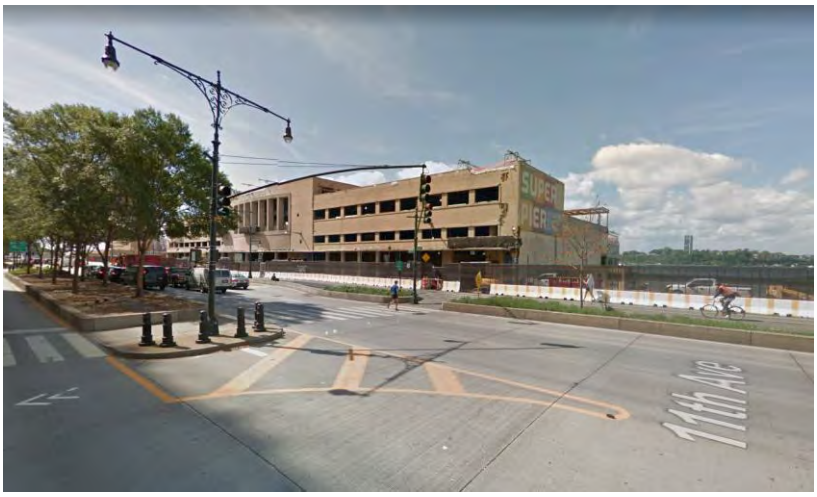
Recent and Planned Substantial Development near Potential Site

Google has signed a lease on 250,000 square feet of office space at the pier expected to open in late 2020. The Pier 55 park and performing arts center is currently under construction, along with substantial residential and office development in progress along the High Line corridor.

PHYSICAL AND NAVIGATIONAL CONSIDERATIONS

Upland Access

Access to the pier is across 11th Avenue and the Hudson River Greenway. The final location of a potential ferry landing infrastructure would drive the formation and layout of upland access to the ferry, which could be either through the pier structure or off the adjacent promenade.



Chelsea (Pier 57)

Existing Infrastructure

Pier 57 originally opened in 1954, and is currently being renovated to include a mix of office, retail, and recreation space. The pier structure includes a concrete basement below the waterline and two stories above.

Access to a new landing would either be through the building under renovation or from the adjacent promenade.

Because no ferry landing exists at this location, a new gangway and NYC Ferry standard bow-loading barge landing would need to be installed.



- **Ownership:** New York State Parks and Recreation, Hudson River Park Trust
- **Zoning:** M1-5

Implementation Requirements

- Construct new gangway and standard bow-loading barge from existing pier structure or promenade.
- **Approvals needed:** Environmental Review; Department of City Planning; New York State Department of Environmental Conservation and United States Army Corps of Engineers in-water construction permits
- **Estimated Capital Cost:** ~$8 million

Waterside Access

Waterside access is generally good in the Hudson River all along the west side of Manhattan. There are pile remnants located both up and down river from the Pier that may need to be addressed to facilitate safe ferry approach and departure. Further, the potential for short term operational impacts associated with vessel traffic to/from the Chelsea piers would need to be assessed. Additional bathymetry may be needed to confirm adequate water depth to the landing barge location.

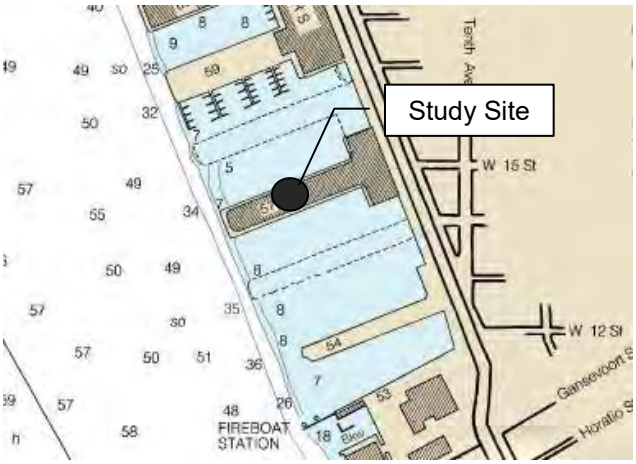


Figure shows water depth in feet at mean lower low water. NYC Ferry planning uses a minimum of 12 feet water depth when evaluating sites.

Chelsea (Pier 57)

TRAVEL TIME COMPARISON

A direct ferry trip from this landing would provide a longer trip time than transit when traveling to either Lower or Midtown Manhattan.



The table below shows approximate travel times to Lower and Midtown Manhattan from a central address in the study neighborhood, including some walk time to/from transit or ferry.

Destination	Car	Transit	Direct Ferry	Direct Ferry vs. Existing Transit
Lower Manhattan (Battery Park City)	**12-28 min / $1.47**	*(1 transit leg)* **13 min / $2.75**	*(~2 miles)* **26 min / $2.75**	**+13 min**
Midtown West (Midtown / West 39th Street)	**9-22 min / $0.93**	*(1 transit leg)* **10 min / $2.75**	*(~2 miles)* **30 min / $2.75**	**+20 min**

West Village (Christopher Street)

SUMMARY



The existing Christopher Street / Pier 45 is adjacent to the West Village and is part of the Hudson River Park system. Pedestrian and bike access is available via the Hudson River Greenway paralleling the waterfront, but there is limited street parking near the site.

The pier contains an existing bow-loading ferry slip where ferry service used to come into Pier 45. However, a new barge and landing would likely be necessary with water depths and navigational maneuverability considered in siting the new barge along the pier.

While there is some high-density development in the neighborhoods closest to the terminal, the subway provides the neighborhood with faster travel times to points in Lower and Midtown Manhattan. The estimated ferry trip time would be longer than most existing transportation options.

MARKET AREA

The market area for potential ferry trips from Christopher Street includes the area within approximately 0.5 miles (14th Street to World Trade Center, and west of 6th Avenue) of the site.



- **Daily Commute Transit Trips:** ~23,000
  - **Trips to Lower Manhattan:** ~5,000
  - **Trips to Midtown Manhattan:** ~2,600
- **Transit Access:** Bus and Subway
  - **Bus:** M8 adjacent to the site
  - **Subway:** Christopher Street Station (PATH) ~0.2 miles from site, 1 and 2 Train ~0.45 miles from site
- **Ferry Travel Time to Manhattan:** Longer than all other modes to Midtown and Lower Manhattan.

West Village (Christopher Street)

BACKGROUND INFORMATION

Neighborhood Characteristics

The existing pier is located at the edge of the West Village, with a mix of historic low-density and newer high-density residential bordering the waterfront. The residential neighborhood is separated from Pier 45 by West Street.

Adjacent Properties / Waterway Use / Special Sites

The pier is located immediately adjacent to the Manhattan Waterfront Greenway, a popular public walkway and bike path that connects the Hudson River Park. Adjacent land uses include historic, medium and high-rise residential and commercial buildings.

Recent and Planned Substantial Development near Potential Site

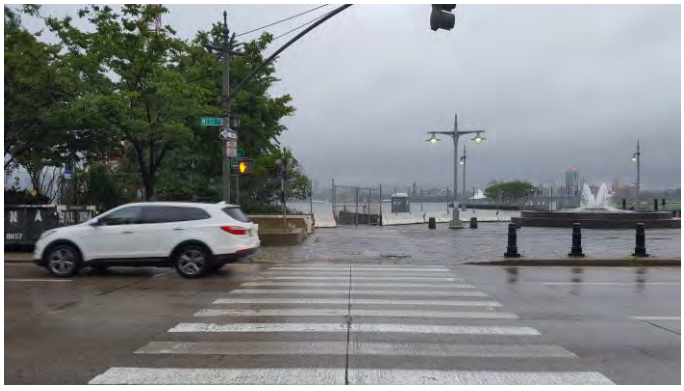
There is a 12-story office building planned for to provide nearly 600,000 square feet of commercial space with anticipated completion in 2022 located about four blocks south of this site.

Latitude, Longitude	40.733207, -74.011113
Census Tract	75
Approx. Location	West St and West 10th St, New York, NY 10014
Previously Studied by EDC	2013
Borough	Manhattan
Borough President	Gale Brewer
City Council District	3
Council Member	Corey Johnson
Community Board	2

PHYSICAL AND NAVIGATIONAL CONSIDERATIONS

Upland Access

Pedestrian access is available via a wide waterfront sidewalk. The Hudson River Greenway parallels the waterfront, providing pedestrian and bike access. There is limited street parking near the site.



West Village (Christopher Street)

Existing Infrastructure

This site on the Hudson River side of Manhattan at Pier 45 is part of the Hudson River Park, which includes an 850-foot-by-100-foot pier, and an old bow-loader ferry barge on the near-shore south side of the pier. This barge would likely need to be replaced and water depths confirmed to support current ferry operations, which require a minimum of 12 feet for safe operations. The offshore side of the existing barge would provide easy access. However, it appears that the inshore side of the barge could encounter some navigational challenges getting in and out of the slip, particularly at low tides due to close proximity to shore. These factors would need to be considered in siting the new barge.



- **Ownership:** Hudson River Park Trust, NYC Parks
- **Zoning:** M2-3

Implementation Requirements

- New piles and a barge would need to be installed for ferry service
- **Approvals needed:** Environmental Review; New York State Department of Environmental Conservation and United States Army Corps of Engineers in-water construction permit; Mayoral Zoning Override
- **Estimated Capital Cost:** $8 million for a new barge

Waterside Access

Waterside access to this site would be straightforward navigation from the Hudson River along the south side of Pier 45. The next pier to the south is Pier 40, which is the location that Hornblower Events operate out of, but there appears to be adequate open water and this should not represent any navigational challenges. A review of navigational charts indicates that there is deep water to the head of the pier, but the depths along the pier are not detailed. There are likely adequate water depths to support ferry operations, but an actual water depths survey would be necessary to confirm details for any final site selection.

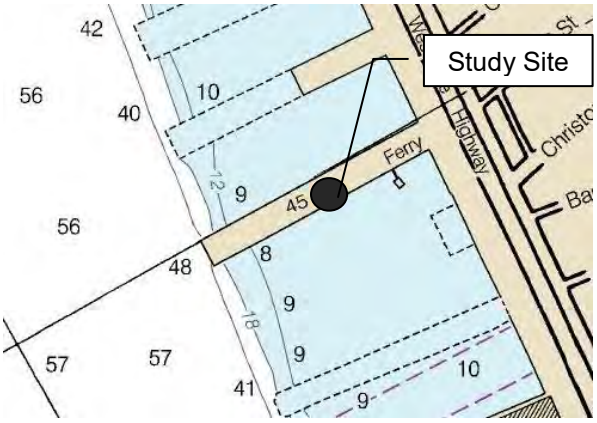


Figure shows water depth in feet at mean lower low water. NYC Ferry planning uses a minimum of 12 feet water depth when evaluating sites.

West Village (Christopher Street)

TRAVEL TIME COMPARISON

A direct ferry trip would be longer than all other modes to both Midtown and Lower Manhattan.



The table below shows approximate travel times to Lower and Midtown Manhattan from a central address in the study neighborhood, including some walk time to/from transit or ferry.

Destination	Car	Transit	Direct Ferry	Direct Ferry vs. Existing Transit
Lower Manhattan (Battery Park City)	**5-16 min / $0.65**	*(1 transit leg)* **12 min / $2.75**	*(~1 mile)* **26 min / $2.75**	**+14 min**
Midtown West (Midtown / West 39th Street)	**12-30 min / $1.47**	*(1 transit leg)* **18 min / $2.75**	*(~2 miles)* **33 min / $2.75**	**+15 min**

College Point

SUMMARY



The ferry study site is in Hermon A. MacNeil Park, located in the College Point neighborhood of Queens. This neighborhood has relatively few transit options to Lower and Midtown Manhattan, with each requiring multiple connections.

The neighborhood is comprised primarily of lower density residential developments, with a small number of commute trips to Manhattan. On average, direct ferry journey times would be significantly faster than existing modes of transit to Manhattan.

There is no existing in-water infrastructure for a ferry landing. Accordingly, construction would include a new pier, gangway, barge, and guide piles to support a ferry landing within the park. Due to shallow water depths, bringing ferry service to this location would require a ~400-foot pier off the point of the park, exposing the landing to potential seas and current in the upper East River. Currently, there is limited street parking available near the site.

MARKET AREA

The market area for potential ferry trips from College Point includes the area north of 22nd Avenue, west of 150th Street and the Whitestone Bridge.



- **Daily Commute Transit Trips:** ~2,600
  - **Transit to Lower Manhattan:** ~150
  - **Transit to Midtown Manhattan:** ~370
- **Transit Access:** Bus
  - **Bus:** Q25 is just outside the park along Poppenhusen Avenue
- **Ferry Travel Time to Manhattan:** Direct ferry would be faster than transit to Lower and Midtown Manhattan.

College Point

BACKGROUND INFORMATION

Neighborhood Characteristics

The College Point neighborhood is primarily low to mid-density residential development, varying between single-family detached and small multifamily apartment buildings. The commercial hub of this neighborhood is located over 0.5-miles from Hermon A. MacNeil Park to the south along College Point Boulevard.

Adjacent Properties / Waterway Use / Special Sites

Southeast of the park are single-family homes. The park also has a kayak launch.

Recent and Planned Substantial Development near Potential Site

No major development within the vicinity of the park was identified. Permit activity within 0.5 miles of the site consists of low-density development. A project to repair the waterfront pathway and seawall in the park is currently planned by NYC Parks for a 2019 completion.

Latitude, Longitude	40.794334, -73.852991
Census Tract	929
Approx. Location	Poppenhusen Ave, College Point, NY 11356
Previously Studied by EDC	No
Borough	Queens
Borough President	Melinda Katz
City Council District	19
Council Member	Paul Vallone
Community Board	7

PHYSICAL AND NAVIGATIONAL CONSIDERATIONS

Upland Access

The park does not have parking, but limited street parking is available on the adjacent neighborhood streets. There are paved pathways throughout the park for pedestrian and bicycle access. Due to water depths, a ferry landing would need to be at the north end of the park, which would require a 5-minute walk through the park to the pier. The seawall repair project is currently underway to improve the waterfront walkway.



College Point

Existing Infrastructure

Hermon A. MacNeil Park is a 29-acre neighborhood park with restrooms, sports courts and a canoe/kayak launch. There are existing paved trails within the park for pedestrian and bicycle access. However, there are no existing facilities to support ferry operations.

Waterside Access

Waterside access to this site would be from the upper East River. Care would need to be exercised to avoid College Point Reef on approach or departure. Ferry access to all sides of the park would be challenged by shallow water with obstructions, with the shortest distance to deep water directly off the point of the park. A pier length of approximately 400 feet would be needed to reach adequate water depth from the northern end of the park, potentially exposing the landing to wind, waves and current in this area of the East River.

- **Ownership:** NYC Parks and Recreation
- **Zoning:** PARK

Implementation Requirements

- Requires a pier, gangway, piles and barge. A fixed pier of roughly 400 feet in length is needed to get to adequate water depth from the northern end of the park.
- **Approvals needed:** Environmental Review; New York State Department of Environmental Conservation and United States Army Corps of Engineers in-water construction permits; agreement with Department of Parks and Recreation
- **Estimated Capital Cost:** $12 million, including pier



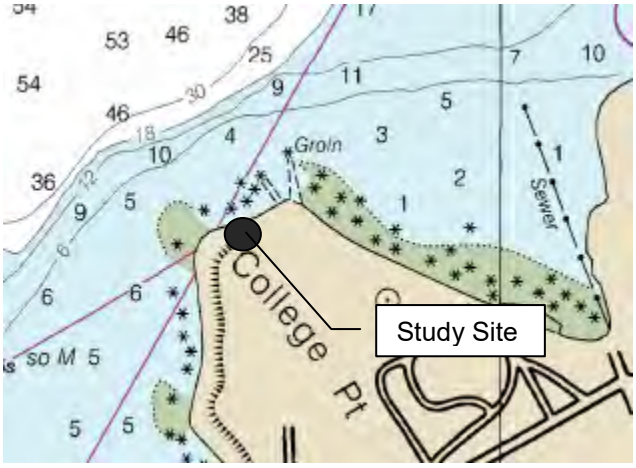
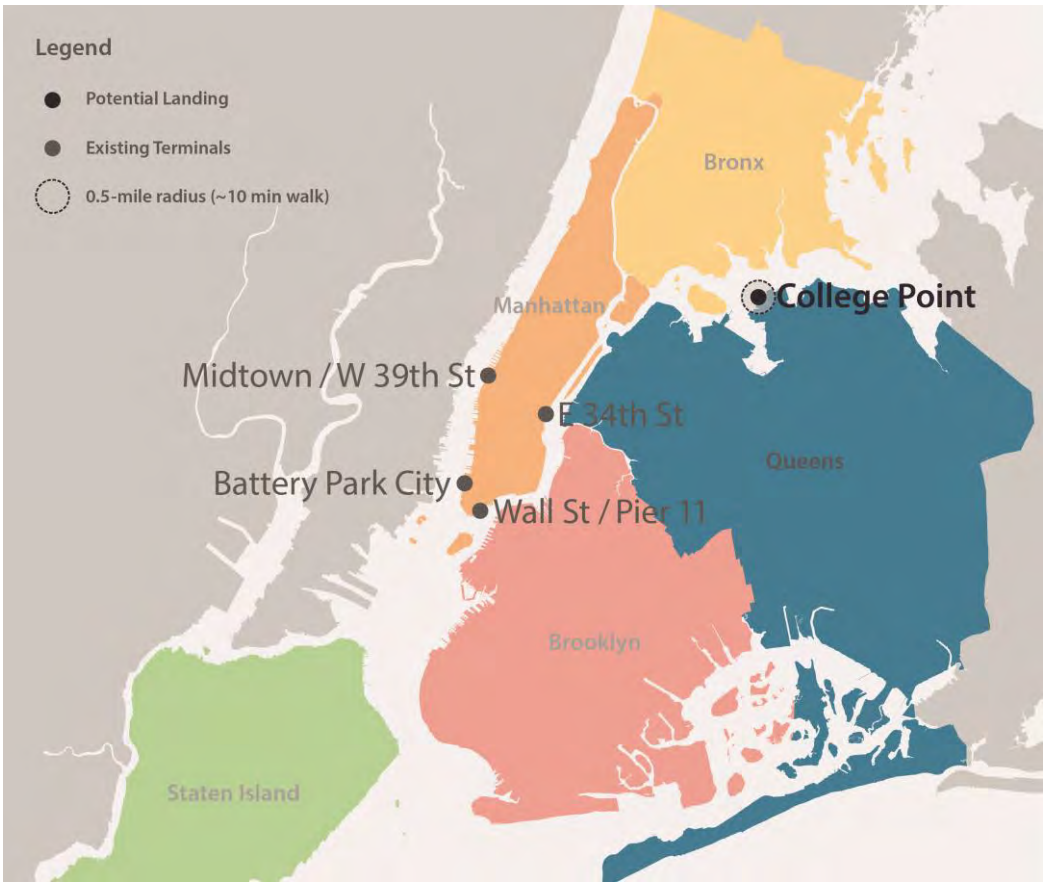


Figure shows water depth in feet at mean lower low water. NYC Ferry planning uses a minimum of 12 feet water depth when evaluating sites.

College Point

TRAVEL TIME COMPARISON

A direct ferry trip would be considerably faster than transit to both Lower and Midtown Manhattan, but adding a College Point stop in a route with other stops, such as the existing Soundview route, would dictate whether ferry service would be time competitive.



The table below shows approximate travel times to Lower and Midtown Manhattan from a central address in the study neighborhood, including some walk time to/from transit or ferry.

Destination	Car	Transit	Direct Ferry	Direct Ferry vs. Existing Transit
Lower Manhattan (Wall Street / Pier 11)	**50-100 min / $9.10**	*(3 transit legs)* **78 min / $2.75**	*(~13 miles)* **46 min / $2.75**	**-32 min**
Midtown East (East 34th Street)	**35-75 min / $6.70**	*(2 transit legs)* **65 min / $6.50**	*(~9 miles)* **42 min / $2.75**	**-23 min**

Fort Totten / Bay Terrace

SUMMARY



The study looked at the Bay Terrace neighborhood as well as Fort Totten in northern Queens.

Due to shallow water depths along both Little Bay and Little Neck Bay the only potential site identified was at the tip of Fort Totten Park, though this site would still require a pier to reach adequate depths. However, a pier would be highly exposed to adverse sea conditions along the East River which may impact the reliability of ferry service.

Due to the site's location, most local residents would need to drive and then walk 10 minutes through the park to access the ferry landing. A ferry service at this location would provide limited travel time savings to Manhattan compared with existing transit.

MARKET AREA

The market area for potential ferry trips from Fort Totten / Bay Terrace includes the area north of 35th Avenue and east of Clearview Expressway (1-295).



- **Daily Commute Transit Trips:** ~6,000
  - **Trips to Lower Manhattan:** ~350
  - **Trips to Midtown Manhattan:** ~800
- **Transit Access:** Bus
  - **Bus:** Q13 ~0.5 miles from site
- **Ferry Travel Time:** Direct ferry would be comparable to existing transit to Lower Manhattan and Midtown East.

Fort Totten / Bay Terrace

BACKGROUND INFORMATION

Neighborhood Characteristics

Bay Terrace is primarily a single-family neighborhood with some low-density apartment blocks.

Adjacent Properties / Waterway Use / Special Sites

Adjacent to the site is a trail system (Little Bay Park Greenway) that extends through Fort Totten on the waterside of Cross Island Parkway. The single family neighborhood is accessed by crossing Cross Island Parkway.

Recent and Planned Substantial Development near Potential Site

No major identified development in this area.

Latitude, Longitude	40.796109, -73.779814
Census Tract	999
Approx. Location	Totten Road, Bayside, NY 11359
Previously Studied by EDC	No
Borough	Queens
Borough President	Melinda Katz
City Council District	19
Council Member	Paul Vallone
Community Board	7

PHYSICAL AND NAVIGATIONAL CONSIDERATIONS

Upland Access

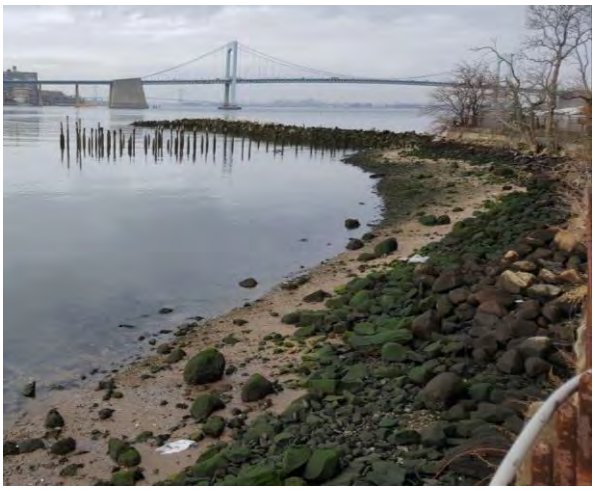
Vehicle and pedestrian access to the site is only from Cross Island Parkway and would require a 15-minute walk from the parking lot through Fort Totten.



Fort Totten / Bay Terrace

Existing Infrastructure

There is no existing infrastructure at this site that would support ferry operations. There is an old pier in Fort Totten that would require assessment to determine if it could support an NYC Ferry.



- **Ownership:** New York City Fire Department
- **Zoning:** PARK

Implementation Requirements

- A pier, barge and piles would need to be constructed.
- **Approvals needed:** Environmental Review; New York State Department of Environmental Conservation and United States Army Corps of Engineers in-water construction permits, Mayoral Zoning Override
- **Estimated Capital Cost:** $8-12 million

Waterside Access

NYC Ferry vessels require 11 feet minimum to operate. The NOAA chart shows water depths that are too shallow along most of Little Neck Bay and on the west shore of Fort Totten. The west shore would be highly exposed to adverse sea conditions.

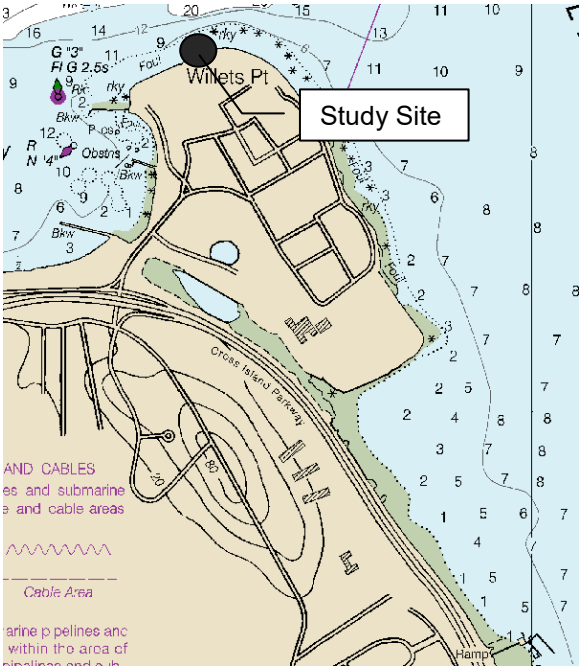


Figure shows water depth in feet at mean lower low water. NYC Ferry planning uses a minimum of 12 feet water depth when evaluating sites.

Fort Totten / Bay Terrace

TRAVEL TIME COMPARISON

A direct ferry trip could be slightly faster than transit to Lower Manhattan and comparable to transit when traveling to Midtown East, but the inclusion of a Fort Totten stop in another route with other stops would dictate whether ferry service would be time competitive. This area is also served by the QM2/QM20 bus that provides a slower trip but does not require a transfer.



The table below shows approximate travel times to Lower and Midtown Manhattan from a central address in the study neighborhood, including some walk time to/from transit or ferry.

Destination	Car	Transit	Direct Ferry	Direct Ferry vs. Existing Transit
Lower Manhattan (Wall Street / Pier 11)	**55-90 min / $11.17**	*(3 transit legs)* **71 min / $10.25**	*(~18 miles)* **65 min / $2.75**	**-6 min**
Midtown East (East 34th Street)	**40-80 min / $7.96**	*(3 transit legs)* **61 min / $10.25**	*(~14 miles)* **61 min / $2.75**	**0**

LaGuardia Airport

SUMMARY



The potential landing site would be located adjacent to Terminal A at LaGuardia Airport in Bowery Bay. A ferry could provide another option for passengers and/or employees traveling to and from the airport but would require a shuttle bus connection to reach the main terminals. On average, a direct ferry would take around the same amount of time as existing transit options.

A new landing and upland improvements would be required to accommodate NYC Ferry vessels. Accommodations would need to be implemented to ensure passengers are safely transported between the ferry landing and the terminal building. Delta previously ran a market-rate ferry service to Terminal A between 1988 and 2000, but it had low ridership and was not financially viable.

Waterside access through Bowery Bay would require additional bathymetry to assess adequacy of water depths to support commuter ferry service. Dredging might be required to provide long-term reliable service.

MARKET AREA

The market area is unique and would likely be people who are traveling to areas near Manhattan ferry terminals.



- **Transit Access:** Bus
  - **Bus:** Q47 and Q48 ~0.1 miles from Terminal A; Q70, Q72 and M60 SBS also provide service to and from LaGuardia Airport.
- **Ferry Travel Time to Manhattan:** Direct ferry would be comparable to transit to Lower and Midtown Manhattan. With typical traffic congestion, ferry transit time would likely be comparable to a car.

LaGuardia Airport

BACKGROUND INFORMATION

Recent and Planned Substantial Development near Potential Site

Jet Blue and Alaska Airlines currently have operations from Terminal A. LaGuardia is undergoing major development with the goals of improving passenger movement, accommodating future growth, and improving the level of service. Part of the redevelopment project is to provide additional transportation options and improve reliability in accessing the airport with an emphasis on improving multimodal connections to the airport. AirTrain LaGuardia, a proposed 1.5-mile-long elevated railway scheduled to open in 2022, will connect LaGuardia to the subway and Long Island Rail Road in Willets Point.

Latitude, Longitude	40.774328, -73.885694
Census Tract	331
Approx. Location	Bowery Bay Blvd, East Elmhurst, NY 11371
Previously Studied by EDC	2011, 2013
Borough	Queens
Borough President	Melinda Katz
City Council District	21
Council Member	Francisco Moya
Community Board	1 and 3

PHYSICAL AND NAVIGATIONAL CONSIDERATIONS

Upland Access

Pedestrians would access the landing from the terminal via an at-grade crossing of Bowery Bay Boulevard. A crosswalk would need to be added for safe pedestrian access to the landing, and access to the airport would require a sidewalk and crosswalk from Terminal A along with wayfinding signage. A shuttle bus is needed to transport passengers to the central terminals.



LaGuardia Airport

Existing Infrastructure

This site at Terminal A has an existing pier and barge for smaller security boats. A new facility would likely be required to accommodate NYC Ferry vessels. This would include constructing a pier and installing a standard NYC Ferry barge.



- **Ownership:** City
- **Zoning:** M1-1

Implementation Requirements

- Construction of a pier, gangway, piles and barge.
- Additional bathymetry required to locate operating channel and pier.
- **Approvals needed:** Port Authority, and New York City Department of Correction; Environmental Review; New York State Department of Environmental Conservation and United States Army Corps of Engineers in-water construction permits, Mayoral Zoning Override
- **Estimated Capital Cost:** $8-12 million depending on length of pier

Waterside Access

Waterside access to this site would be from the East River, under the Riker's Island Bridge and through Bowery Bay. The Bridge has sufficient vertical clearance (52 feet) to allow for ferry operations. There are no marked channels through Bowery Bay, and water depth barely meet the minimum 15 feet required for NYC Ferry operations. Additional bathymetry would be needed to locate and mark an operating channel through Bowery Bay. Dredging may be needed to ensure safe transit to this site.

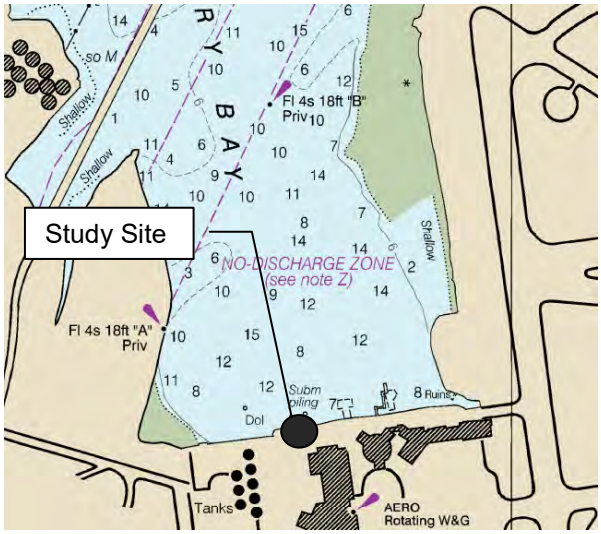


Figure shows water depth in feet at mean lower low water. NYC Ferry planning uses a minimum of 12 feet water depth when evaluating sites.

LaGuardia Airport

TRAVEL TIME COMPARISON

A direct ferry trip would provide a similar travel time to existing transit options to the airport. However, additional stops along the route would dictate the actual travel time. The AirTrain could be a competitive alternative travel option when it is operational (est. 2022).



The table below shows approximate travel times to Lower and Midtown Manhattan from a central address in the study neighborhood, including some walk time to/from transit or ferry. Car cost estimate includes average cost of a taxi.

Destination	Car	Transit	Direct Ferry	Direct Ferry vs. Existing Transit
Lower Manhattan (Wall Street / Pier 11)	**45-70 min / $50-60**	*(3 transit legs)* **59 min / $2.75**	*(~11 miles)* **56 min / $2.75**	**-3 min**
Midtown East (East 34th Street)	**26-60 min / $50-60**	*(2 transit legs)* **48 min / $2.75**	*(~7 miles)* **47 min / $2.75**	**-1 min**

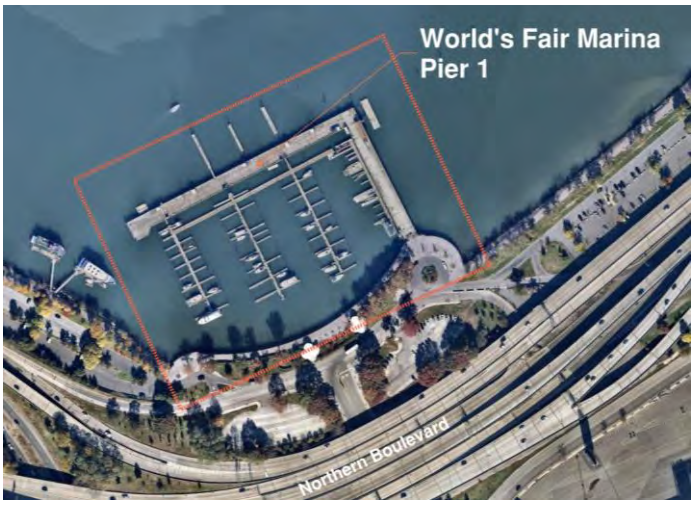
Flushing Bay

SUMMARY

Flushing Bay and World's Fair Marina was a frequent request for ferry service to northeast Queens from both the general public and elected officials.

Grand Central Parkway and Whitestone Expressway severely limits public transit and walking access to sites along Flushing Bay. However, there is ample parking space available closer to Citi Field, though heavily used during sports events.

Potential ferry service is likely to have a similar or slower journey time than existing transit options.



MARKET AREA

The primary market area for potential ferry trips from Flushing Bay includes the area east of 108th Street, north of Elder Avenue, south of 20th Avenue, and west of I-678 (Van Wyck Expressway/Whitestone Expressway). A wider driving market also exists.



Daily Commute Transit Trips: ~28,000

- **Trips to Lower Manhattan:** ~2,000
- **Trips to Midtown Manhattan:** ~5,700

» **Transit Access:** Bus and Subway

- **Bus:** Q66 and Q19 ~0.2 miles from site
- **Subway:** Mets-Willets Point Station (Lines 7 and 7x) ~0.5 miles from site

» **Ferry Travel Time to Manhattan:** A direct ferry trip would be faster to Lower Manhattan but slower to Midtown.

Flushing Bay

BACKGROUND INFORMATION

Neighborhood Characteristics

To the west are the residential neighborhoods of Corona and Jackson Heights. To the south is Citi Field and other major sport facilities. Willets Points to the east has historically housed auto repair shops and industrial uses.

Adjacent Properties / Waterway Use / Special Sites

The Marina contains multiple piers with recreational boating access. Across the expressway is Citi Field.

Recent and Planned Substantial Development near Potential Site

The NYC Parks Department is reconstructing Pier 1 of World's Fair Marina. The reconstruction project will improve accessibility and extend the pier further into the bay. Potential future residential development at Willets Point could increase ridership demand from within a walking distance to this site.

Latitude, Longitude	40.760334, -73.849275
Census Tract	383.01
Approx. Location	1 Marina Rd, Flushing, NY 11368
Previously Studied by EDC	2011, 2013
Borough	Queens
Borough President	Melinda Katz
City Council District	21
Council Member	Francisco Moya
Community Board	7, 81

PHYSICAL AND NAVIGATIONAL CONSIDERATIONS

Upland Access

The waterfront promenade provides pedestrian access to the site. Pedestrian access from the site to residential areas is difficult and limited.

The site has good vehicle access. There are on- and off-ramps to Northern Boulevard located nearby. There is also surface street access under Northern Boulevard and from the eastern end of the site.

There are parking lots surrounding the Marina with a fee charged during events at Citi Field.



Flushing Bay

Existing Infrastructure

The existing World's Fair Marina at this site possesses a large L-shaped pier structure that is currently out of commission for a multi-year reconstruction project. There is a public boat launch about 2,000 feet to the northeast of the Marina at the Flushing Meadows Corona Park Kayak/Canoe Launch Site.

- **Ownership:** NYC Parks and Recreation
- **Zoning:** PARKS

Implementation Requirements

- A barge with guide piles would likely be necessary.
- **Approvals needed:** Environmental Review; New York State Department of Environmental Conservation and United States Army Corps of Engineers in-water construction permits
- **Estimated Capital Cost:** $8 million for a ferry barge, depending on Parks marina design

Waterside Access

Waterside access would be through the East River, around Riker's Island, along LaGuardia Airport and through a marked channel in Flushing Bay. The NOAA chart indicates that this channel maintains approximately 150 feet wide and 14 feet deep throughout its length. Once departing the channel, the water depths approaching the Marina at low water show 5 feet. NOAA charts indicate inadequate water depths in the bay for NYC Ferry vessels, further diligence and bathymetry testing is required to determine the feasibility of service.

The waters to the east of the Marina are designated a special anchorage area, which would limit ferry operations to the western side of the Marina. There is also tug and barge traffic that accesses the industrial sites on the east side of Flushing Bay and to Flushing Creek.

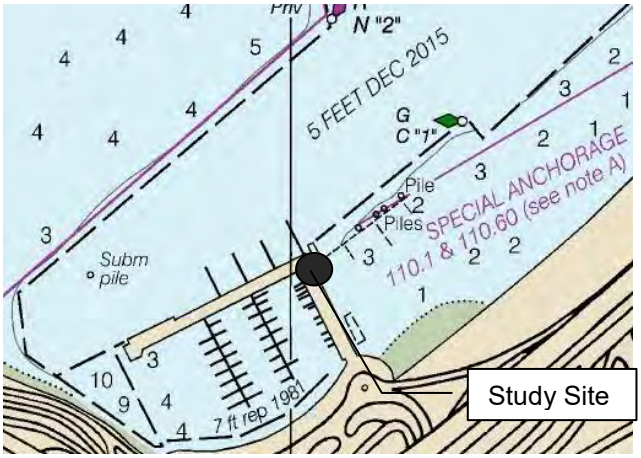
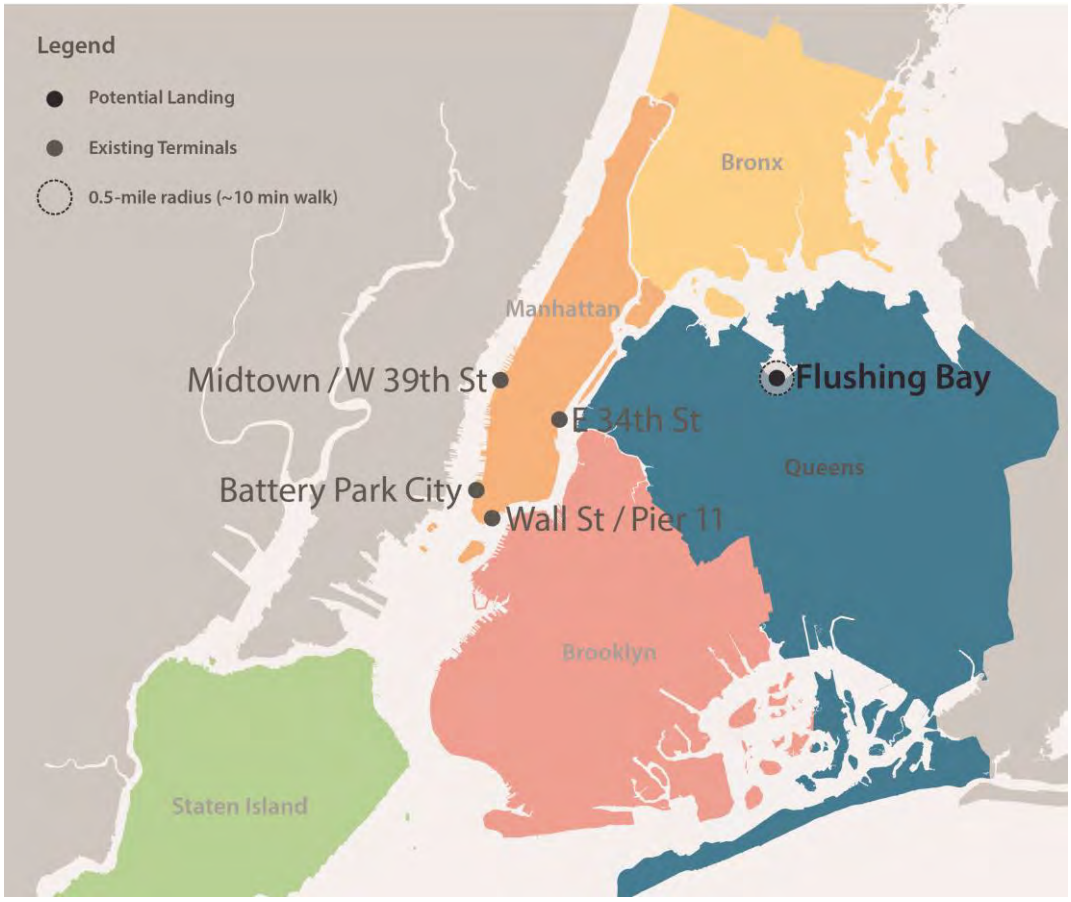


Figure shows water depth in feet at mean lower low water. NYC Ferry planning uses a minimum of 12 feet water depth when evaluating sites.

Flushing Bay

TRAVEL TIME COMPARISON

Direct ferry service from this location would be a little faster than transit to Lower Manhattan and slightly slower than transit to Midtown East. From Flushing Bay to Midtown East, there is a transit option (Subway: 7) that does not require a transfer but is a longer trip (approx. 60 minutes) than those with transfers and would be comparable to a direct ferry trip.



The table below shows approximate travel times to Lower and Midtown Manhattan from a central address in the study neighborhood, including some walk time to/from transit or ferry.

Destination	Car	Transit	Direct Ferry	Direct Ferry vs. Existing Transit
Lower Manhattan (Wall St / Pier 11)	**40-80 min / $8.07**	*(3 transit legs)* **65 min / $2.75**	*(~14 miles)* **56 min / $2.75**	**-9 min**
Midtown East (East 34th Street)	**26-60 min / $5.23**	*(3 transit legs)* **50 min / $2.75**	*(~10 miles)* **53 min / $2.75**	**+3 min**

Whitestone

SUMMARY

The Whitestone site is located in Francis Lewis Park, which is part of the Whitestone neighborhood in Queens. The neighborhood consists primarily of single-family detached homes. The transit options to Lower and Midtown Manhattan are limited and most require multiple transfers.

Currently, the park has existing paved pathways for pedestrian and bicycle access but does not have any in-water infrastructure for a ferry landing. There is a kayak launch in the park. There are not adequate water depths within 1,000+ feet of the edge of the park to support a ferry landing. The waterside location is also exposed to river currents and rough seas.



MARKET AREA

The market area for potential ferry trips is between the Throgs Neck Bridge, Cross Island Parkway and the Bronx-Whitestone Bridge and includes the area north of 20th Avenue between 125th Street and 150th Street.



- **Daily Commute Transit Trips:** ~5,800
  - **Trips to Lower Manhattan:** ~340
  - **Trips to Midtown Manhattan:** ~870
- **Transit Access:** Bus
  - **Bus:** Q15A ~0.7 miles from site, QM32 ~0.8 miles from site
- **Ferry Travel Time to Manhattan:** A direct ferry would be faster than transit to Lower and Midtown Manhattan.

Whitestone

BACKGROUND INFORMATION

Neighborhood Characteristics

Francis Lewis Park is located in the Whitestone neighborhood in Queens that is primarily lower density residential development. There is a commercial center nearly one mile south of Francis Lewis Park.

Adjacent Properties / Waterway Use / Special Sites

The properties bordering the park are primarily single-family residential homes. Adjacent private properties along the waterfront consist of single-family homes with private piers.

Recent and Planned Substantial Development near Potential Site

There are no major planned developments occurring within 0.5 miles of Francis Lewis Park. The majority of the permitting activity includes active permits for single-family development.

Latitude, Longitude	40.797492, -73.825436
Census Tract	973
Approx. Location	3rd Ave, College Point, NY 11356
Previously Studied by EDC	No
Borough	Queens
Borough President	Melinda Katz
City Council District	19
Council Member	Paul Vallone
Community Board	7

PHYSICAL AND NAVIGATIONAL CONSIDERATIONS

Upland Access

Limited street parking is available near this site. There are existing paved trails within the park for pedestrian and bicycle access. Depending on the location of the landing site, access to the pier through the park from the roadway could be up to 800 feet plus an additional 1,000 feet to reach the end of the pier.



Whitestone

Existing Infrastructure

Francis Lewis Park includes restrooms, sports courts, and a kayak/canoe launch. There is currently no in-water infrastructure at the park.



- **Ownership:** NYC Parks and Recreation
- **Zoning:** PARK

Implementation Requirements

- Construction of a pier, piles and a barge.
- Dredging or a pier about 1,000-feet-long from walkway around bridge support to support a ferry landing barge in adequate depth water.
- **Approvals needed:** Environmental Review; New York State Department of Environmental Conservation and United States Army Corps of Engineers in-water construction permits; agreement with Department of Parks and Recreation
- **Estimated Capital Cost:** $20-25 million depending on pier costs

Waterside Access

Waterside access would be through the East River just to the east of the Whitestone Bridge. Water depth charts suggest adequate water depths starting about 1,000 feet offshore, which is both infeasible and impractical to build. At this distance offshore, the barge would be accessible by ferry, but there are potentially significant safety impacts of river currents and sea conditions to a landing at this location.

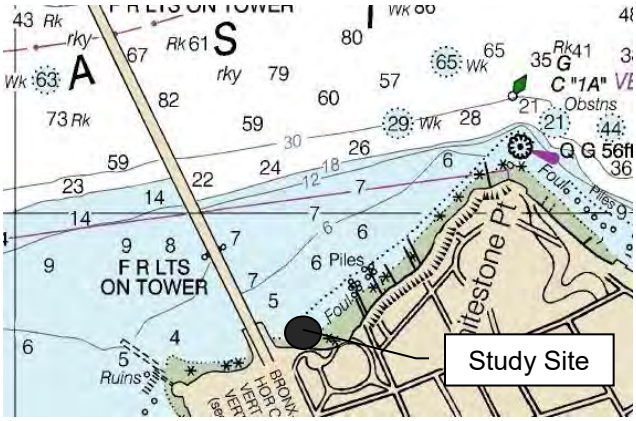
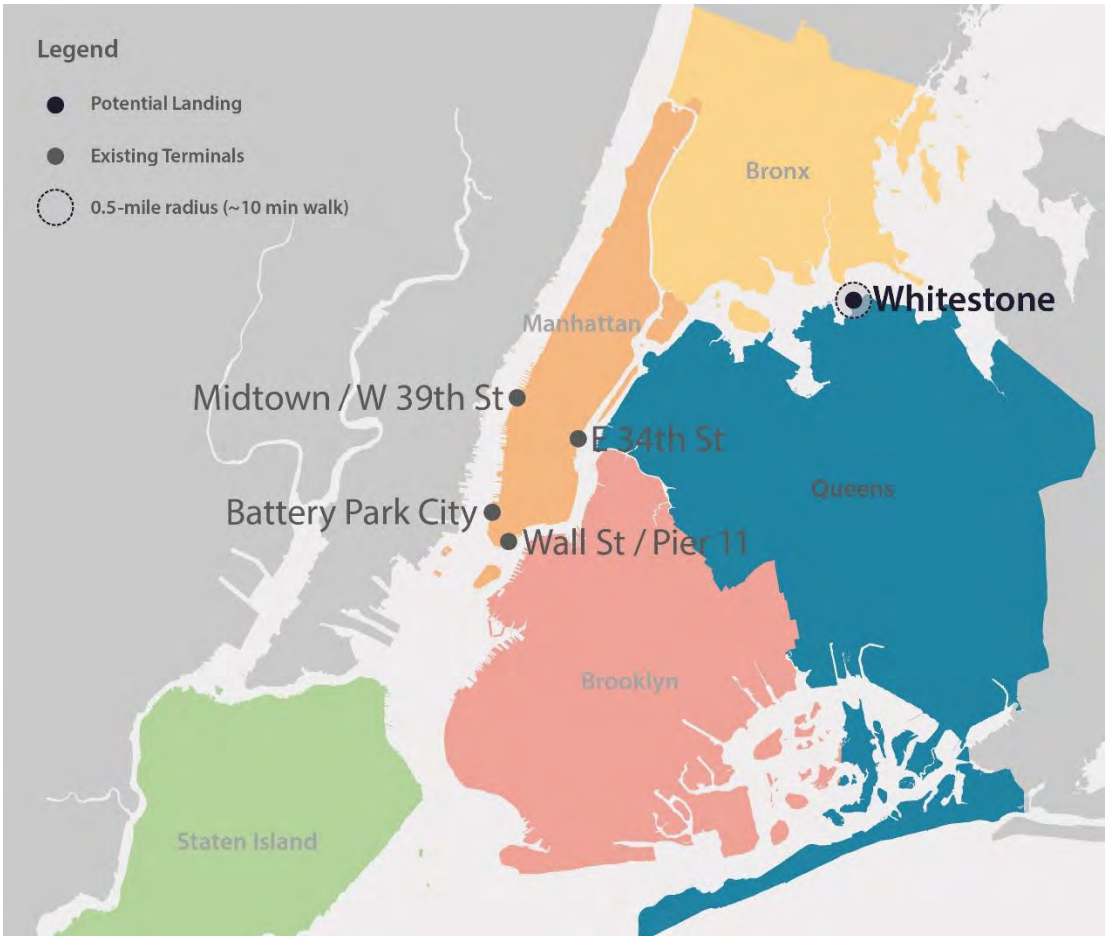


Figure shows water depth in feet at mean lower low water. NYC Ferry planning uses a minimum of 12 feet water depth when evaluating sites.

Whitestone

TRAVEL TIME COMPARISON

A direct ferry trip to Manhattan could be faster than transit to both Lower and Midtown Manhattan, but adding this stop to other routes such as the existing Soundview route, would dictate whether ferry service would be time competitive with existing transit.



The table below shows approximate travel times to Lower and Midtown Manhattan from a central address in the study neighborhood, including some walk time to/from transit or ferry.

Destination	Car	Transit	Direct Ferry	Direct Ferry vs. Existing Transit
Lower Manhattan (Wall St / Pier 11)	**55-85 min / $9.97**	*(3 transit legs)* **86 min / $2.75**	*(~14 miles)* **52 min / $2.75**	**-34 min**
Midtown East (East 34th Street)	**35-75 min / $6.81**	*(1 transit leg)* **64 min / $6.50**	*(~10 miles)* **48 min / $2.75**	**-16 min**

St. George

SUMMARY



The St. George ferry terminal is an existing multimodal transit hub where the Staten Island Ferry, operated by the NYC Department of Transportation (DOT), carries over 23 million passengers annually. There are several existing ferry slips for the large Staten Island Ferry passenger vessels. One of the existing ferry slips, referred to as Slip 7, previously housed a passenger ferry barge that was appropriate for the size of vessel used by NYC Ferry. The passenger gangway and barge would need to be re-installed to support NYC Ferry operations.

The St. George ferry terminal location is set up to serve people from the entire island due to the transit connections and parking facilities offered at the terminal. A direct NYC Ferry trip would provide a significantly faster trip time to Lower and Midtown Manhattan than other transit connections. The terminal is also within walking distance of the new Empire Outlets north of the existing ferry terminal.

NYC Ferry operations would need to be coordinated with the existing DOT Staten Island Ferry operations, but there is sufficient open water to make safe passing arrangements and requisite safety and security procedures can be established.

MARKET AREA

The market area for potential ferry trips from St. George includes all of Staten Island.



- **Daily Commute Transit Trips:** ~51,100
  - **Trips to Lower Manhattan:** ~13,600
  - **Trips to Midtown Manhattan:** ~12,300
- **Transit Access:** Bus, Rail, Ferry
  - **Bus:** S40, S74, S90, S48, S98, S62 and S92 within 0.35 miles from site
  - **Rail:** Staten Island Rail adjacent to site
  - **Ferry:** Staten Island Ferry
- **Ferry Travel Time to Manhattan:** Faster than existing transit (including Staten Island Ferry) to Manhattan destinations.

St. George

BACKGROUND INFORMATION

Neighborhood Characteristics

Adjacent to the St. George Ferry Terminal is primarily commercial development. Further west of the commercial area is low-rise and multifamily residential development.

Adjacent Properties / Waterway Use / Special Sites

St. George is currently a multimodal transit and ferry terminal where the Staten Island Ferry provides service to the Whitehall Terminal in Lower Manhattan.

Recent and Planned Substantial Development near Potential Site

Several development projects are located adjacent to the St. George Ferry Terminal. Lighthouse Point will add a dynamic, mixed-use development (including approximately 120 residential units, grocery store, and co-working space), and Empire Outlets will house a large retail complex.

Latitude, Longitude	40.644010, -74.072014
Census Tract	3
Approx. Location	1 Bay St, Staten Island, NY 10301
Previously Studied by EDC	2013
Borough	Staten Island
Borough President	James Oddo
City Council District	21
Council Member	Deborah Rose
Community Board	1

PHYSICAL AND NAVIGATIONAL CONSIDERATIONS

Upland Access

Vehicle access is via the Ferry Terminal Viaduct, and two DOT-owned parking lots are located at the terminal. Slip 7 is directly adjacent to the pick-off/drop-off area for the St George terminal. There is a large bus terminal located just outside of the ferry terminal, and the Staten Island Railroad has a stop within the ferry terminal, both of which are adjacent to the potential NYC Ferry site and would provide easy connections. Ferry travelers would access the new landing via an existing sidewalk adjacent to the landing.



St. George

Existing Infrastructure

The St. George site is located at the Staten Island Ferry Terminal on Staten Island. Small vessel passenger-only ferry operations were conducted out of the lower lever previously. However, the gangway and barge have been removed and would need to be reinstalled. These facilities would be adequate to support a new NYC Ferry route.

This site would require operational coordination with Staten Island Ferries, as it resides in and is integral to the existing ferry terminal infrastructure. This is particularly true with respect to safety and security protocols in and around the terminal.

- **Ownership:** NYC Department of Transportation
- **Zoning:** M1-1

Implementation Requirements

- The gangway and barge would need to be reinstalled, and access to this area for loading and unloading would need to be coordinated with Staten Island Ferry.
- Passenger queuing and shelter may need to be constructed.
- Landings and departures would need to be coordinated with the existing Staten Island Ferry departures.
- **Approvals needed:** Environmental Review; New York State Department of Environmental Conservation and United States Army Corps of Engineers in-water construction permits
- **Estimated Capital Cost:** $4 million

Waterside Access

Located at the northeastern point of Staten Island, waterside access would be directly from New York Inner Harbor, with adequate water depths and no known navigational restrictions.

Due to the proximity to Staten Island Ferry operations, sailing coordination would need to occur to ensure safe navigation during approach and departure. However, there is suffient clear water offshore to establish any needed operating protocols.

Transit to Manhattan would follow traditional shipping lanes, but any route that included a landing in Brooklyn from this site would require a new crossing of a heavily used shipping lanes in the New York Harbor, requiring extra navigational care particularly in conditions of reduced visibility.

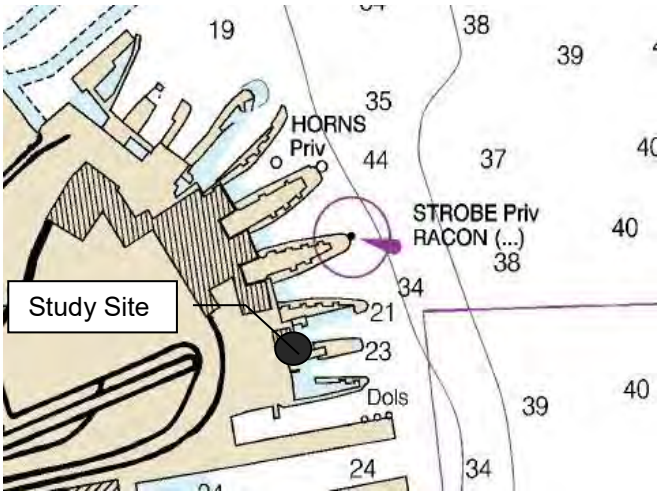
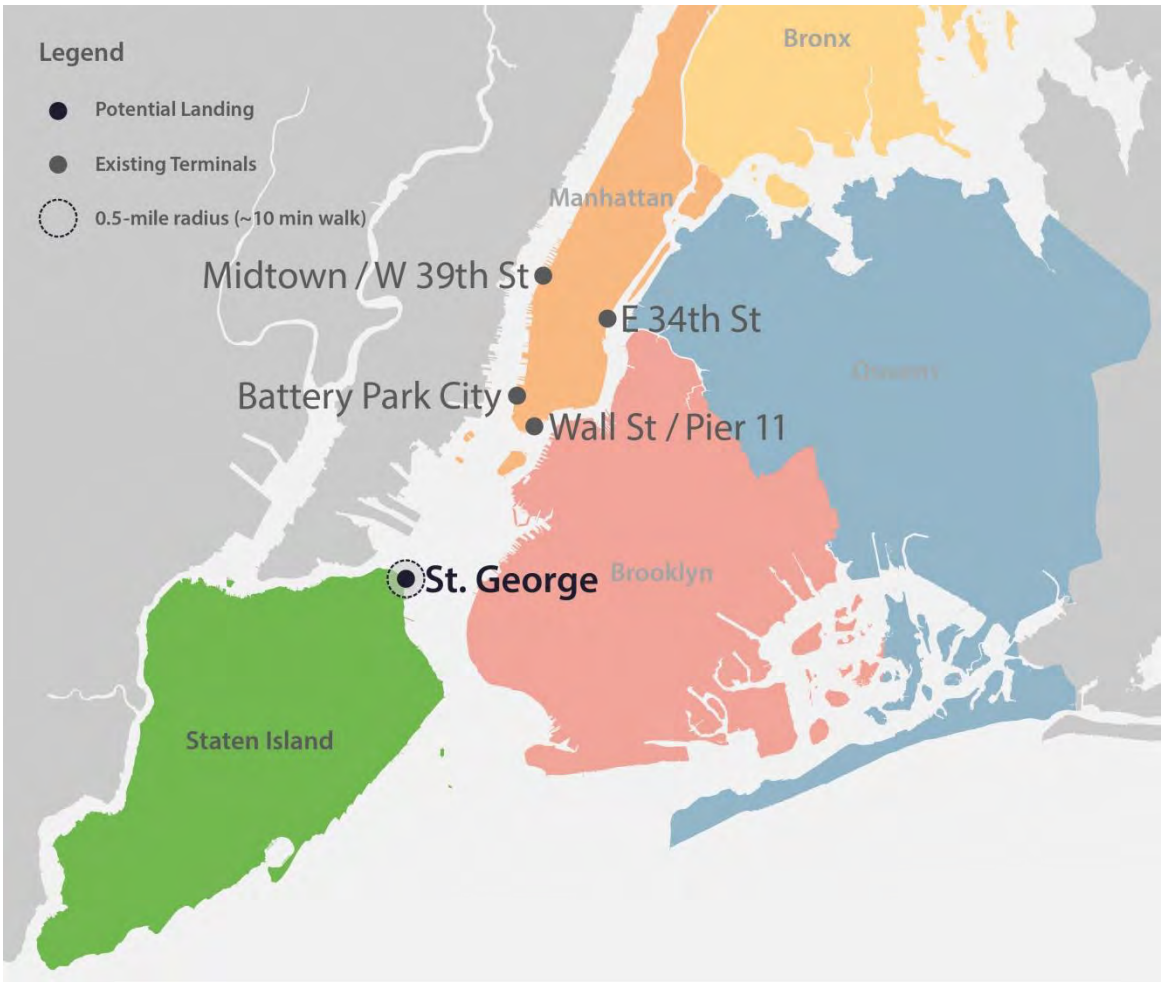


Figure shows water depth in feet at mean lower low water. NYC Ferry planning uses a minimum of 12 feet water depth when evaluating sites.

St. George

TRAVEL TIME COMPARISON

The total estimated direct travel time when taking the ferry would be faster than existing transit, to both the Lower and Midtown Manhattan destinations. Ferry service to Wall Street / Pier 11 was not strongly considered given its proximity to the existing Staten Island Ferry Whitehall Terminal.



The table below shows approximate travel times to Lower and Midtown Manhattan from a central address in the study neighborhood, including some walk time to/from transit or ferry.

Destination	Car	Transit	Direct Ferry	Direct Ferry vs. Existing Transit
Lower Manhattan (Battery Park City)	**35-90 min / $8.12**	*(2 transit legs)* **60 min / $6.50**	*(~6 miles)* **32 min / $2.75**	**-28 min**
Midtown West (Midtown / West 39th Street)	**40-85 min / $14.93**	*(3 transit legs)* **74 min / $6.50**	*(~9 miles)* **45 min / $2.75**	**-29 min**

Stapleton

SUMMARY



Stapleton is a neighborhood in northeastern Staten Island. The area is primarily single-family and low-density multi-family development with neighborhood commercial properties located along Bay Street. With close proximity to the Staten Island Railroad, Stapleton has the opportunity to serve residents who travel via rail. The New Stapleton Waterfront development, with 571 units currently under construction, could eventually include upwards of 2,000 residential units along with associated commercial and community space. A direct ferry would be a similar travel time to Lower Manhattan, but could provide a faster trip to Midtown, when compared with existing transit options.

The existing pier along the waterfront is home to the New York Fire Department marine unit and associated vessel tie-ups. Large vessels use the pier through the DockNYC program. As such, a ferry landing on the pier may not be compatible with these uses.

A landing from the promenade outside of the breakwater to the north or south may be possible, but exposure to rough weather coming straight through the Verrazzano-Narrows would have an impact on reliable operations and safety. There are adequate water depths along the waterfront for a ferry.

MARKET AREA

The market area for potential ferry trips from Stapleton includes the southern portion of Staten Island along the Staten Island Railway.



- **Daily Commute Transit Trips:** ~36,600
  - **Trips to Lower Manhattan:** ~9,500
  - **Trips to Midtown Manhattan:** ~8,900
- **Transit Access:** Bus, Rail, Staten Island Ferry
  - **Bus:** S51, S74, S76 and S86 ~0.25 miles from site
  - **Rail:** Staten Island Rail ~0.25 miles from site
- **Ferry Travel Time to Manhattan:** Faster than existing transit to Lower and Midtown Manhattan.

Stapleton

BACKGROUND INFORMATION

Neighborhood Characteristics

The neighborhood is primarily single-family and low-density multi-family development with neighborhood commercial properties located along Bay Street. The first phase of the New Stapleton Waterfront mixed-use development was recently completed.

Adjacent Properties / Waterway Use / Special Sites

An existing pier houses a Fire Department of New York (FDNY) vessel. Adjacent to the site is a public park and esplanade that are part of the New Stapleton Waterfront development, as well as retail and restaurant space.

Recent and Planned Substantial Development near Potential Landing

NYCEDC has gradually been redeveloping the New Stapleton Waterfront, a decommissioned U.S. Naval Base that will activate and expand an underutilized waterfront, as well as unlock the opportunity for new development opportunities including affordable housing, retail, and new public infrastructure. Phase 1 will deliver 571 units, 25,000 square feet of commercial space, and 348 parking spaces. Future phases may include up to 1,600 additional units, along with commercial space and additional open space.

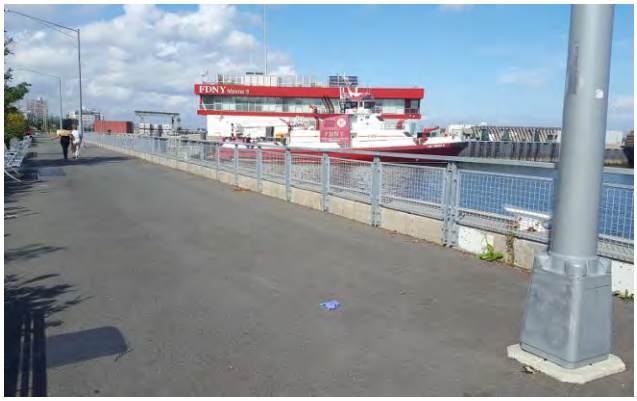
Northwest of the New Stapleton Waterfront, the Bay Street Corridor Plan aims to increase density and promote mixed-use development as well as connecting the New Stapleton Waterfront with future development along Bay Street.

Latitude, Longitude	40.6299, -74.0721
Census Tract	21
Approx. Location	305 Front St, Staten Island, NY 10304
Previously Studied by EDC	2011, 2013
Borough	Staten Island
Borough President	James Oddo
City Council District	49
Council Member	Deborah Rose
Community Board	1

PHYSICAL AND NAVIGATIONAL CONSIDERATIONS

Upland Access

Pedestrian access is available via sidewalk connection from Murray Hulbert Ave and driveway/walkways through the New Stapleton development. After the New Stapleton development is complete, this area will have limited parking available to commuters.



Stapleton

Existing Infrastructure

This site includes an existing pier roughly 1,400 feet long by 100 feet across that is the current home of the New York Fire Department marine unit - FDNY Marine 9.

On the south side of the pier, the fire boat is moored with a breakwater located to south and offshore. There is insufficient room within the breakwater on the pier to support ferry operations; however, there may be sufficient room within the protected breakwater if the landing were to come off the bulkhead along Waterfront Park but requires an agreement with FDNY Marine 9. The FDNY Marine 9 barracks and offices are located at the head of the pier. This pier structure may provide moorage for other government vessels, such as United States Coast Guard and United States Navy.

The north side of the pier or bulkhead north of the pier may offer space that could work for a ferry landing. However, exposure to rough sea and wave conditions leads to concern with safety and reliable operations.

The promenade is higher than the water level and would need a ramp structure to achieve Americans with Disabilities Act (ADA) slope requirements.

Waterside Access

Located on the northeastern shore of Staten Island, waterside access to this site is direct and straightforward from New York Harbor Upper Bay. There are adequate water depths to support ferry service. If located within the existing breakwater, navigational safety would need to be coordinated with FDNY. If the landing is located outside of the existing breakwater, a wave attenuator or floating breakwater would ensure safer vessel-landing interface in rough weather.

- **Ownership:** NYC Parks and Recreation
- **Zoning:** C4-2A

Implementation Requirements

- Requires new piles, barge and gangway
- **Approvals needed:** Environmental Review; New York State Department of Environmental Conservation and United States Army Corps of Engineers in-water permits
- **Estimated Capital Cost:** $12-16 million depending on the need for a wave attenuator

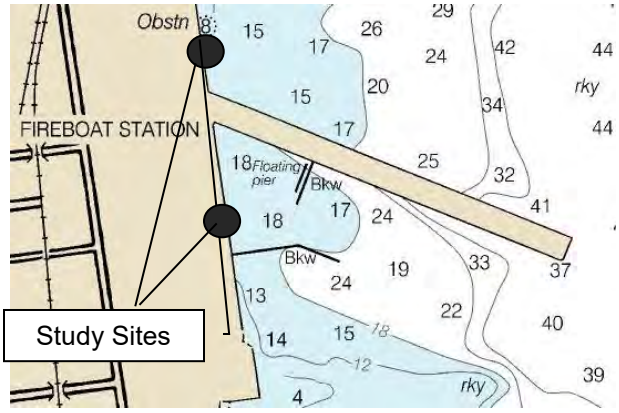


Figure shows water depth in feet at mean lower low water. NYC Ferry planning uses a minimum of 12 feet water depth when evaluating sites.

Stapleton

TRAVEL TIME COMPARISON

The total estimated direct ferry travel time would be faster than existing transit to Lower or Midtown Manhattan. From Stapleton to Midtown, there is a transit option (Bus: SIM30) that does not require a transfer but is a longer trip than those with transfers (approx. 90 minutes).



The table below shows approximate travel times to Lower and Midtown Manhattan from a central address in the study neighborhood, including some walk time to/from transit or ferry.

Destination	Car	Transit	Direct Ferry	Direct Ferry vs. Existing Transit
Lower Manhattan (Battery Park City)	**28-80 min / $6.59**	*(2 transit legs)* **42 min / $6.50**	*(~7 miles)* **40 min / $2.75**	**-2 min**
Midtown West (Midtown / West 39th Street)	**35-75 min / $8.28**	*(3 transit legs)* **75 min / $6.50**	*(~ 10 miles)* **52 min / $2.75**	**-23 min**

Great Kills

SUMMARY

This study site is located on the southeastern shore of Staten Island in Great Kills Park. The harbor is protected from the exposed waters of the ocean as it enters the New York Harbor. The Great Kills harbor is dredged to accommodate usage by boaters approaching the north and south shore marinas or anchoring in Great Kills. A potential landing could be located within Great Kills Park to the northeast of the Nichols Marina. Based on the distance from the nearest residential area this landing would likely require users to drive or take a shuttle bus. A non-stop ferry trip to Manhattan could provide a faster trip for adjacent neighborhoods compared to existing transit.



Following Hurricane Sandy, NYC DOT ran a temporary ferry service and shuttle from this location, discontinued after three months due to low ridership. New landing facilities would be required at this location for NYC Ferry operations to allow for bow-loading vessels.

MARKET AREA

The market area for potential ferry trips from Great Kills Park includes areas along the Staten Island Railroad and south of New Dorp Lane.



- **Daily Commute Transit Trips:** ~14,600
  - **Trips to Lower Manhattan:** ~4,000
  - **Trips to Midtown Manhattan:** ~4,300
- **Transit Access:** Bus and Rail
  - **Bus:** SIM1, SIM4, SIM5, SIM6, SIM7, SIM9, S10 ~1.6 miles from site
  - **Rail:** SIR, Bay Terrace, ~2.4 miles from site
- **Ferry Travel Time to Manhattan:** A direct ferry could be faster than existing transit to Manhattan destinations.

Great Kills

BACKGROUND INFORMATION

Neighborhood Characteristics

The adjacent neighborhoods are mainly low-density residential.

Adjacent Properties / Waterway Use / Special Sites

The Nichols Great Kills Park Marina is located adjacent to Great Kills Park, a 580-acre area of marsh, beach, and woodlands that is part of the Gateway National Recreation Area. Nichols Marina has 250 slips for small recreational boats. In proximity to the potential site to the northeast is a public boat ramp, allowing recreational boaters to launch and haul out vessels, including kayaks.

Recent and Planned Substantial Development near Potential Site

No identified development in proximity to this site.

Latitude, Longitude	40.537344, -74.131653
Census Tract	154
Approx. Location	3270 Hylan Blvd, Staten Island, NY 10306
Previously Studied by EDC	No
Borough	Staten Island
Borough President	James Oddo
City Council District	51
Council Member	Joseph C. Borelli
Community Board	3

PHYSICAL AND NAVIGATIONAL CONSIDERATIONS

Upland Access



Access to the site would be via Buffalo Street through Great Kills Park. There is a Gateway Park parking lot adjacent to the site with roughly 70 spaces, which would be challenging to accommodate a robust commuter ferry service. The Gateway Park area has an additional large parking lot off Buffalo Street, a mile from the potential ferry landing site location. The Nichols Marina offers some parking, and has a large lot currently used for boat storage. An agreement with the National Parks Service would be required to allow for ferry access and commuter parking.

Great Kills

Existing Infrastructure

There is currently no bow-loading ferry infrastructure in place at this location. A single 6-foot-wide gangway serves the floating docks at the Nichols Great Kills Marina on the south side of the harbor, serving up to 250 vessels and posing a capacity constraint to any NYC Ferry service. As an alternative NYC Ferry could sideload from the 10-foot-wide offshore main barge, with a ramp to make up the freeboard difference; however, this approach would be inconsistent with NYC Ferry operations.

A typical NYC Ferry landing (which would allow both bow- and side-loading vessels) could be installed to the northeast of Nichols Marina, with access from the existing promenade.



Waterside Access

The Great Kills Harbor entrance is a dredged channel through Crookes Point; however, most of the dredged channel is located on the northwest side of the harbor, opposite the potential landing site. Water depths on the southeast side of the harbor are adequate for ferry operations; however the harbor is subject to shoaling and water depths may change throughout ferry operations and could require dredging in the future.

- **Ownership:** NYC Parks and Recreation and part of the National Park Service
- **Zoning:** PARK

Implementation Requirements

- Construct a new pier and gangway, plus install piles and a new barge of standard NYC Ferry design.
- Agreement to use parking area for commuter parking.
- Coordination with National Parks Service would be required to incorporate the ferry landing in an environmentally sensitive way.
- **Approvals needed:** Environmental review; New York State Department of Environmental Conservation and United States Army Corps of Engineers in-water permit; approvals from New York City Department of Parks and Recreation and National Parks Service
- **Estimated Capital Cost:** $8-12 million depending on length and cost of a pier.

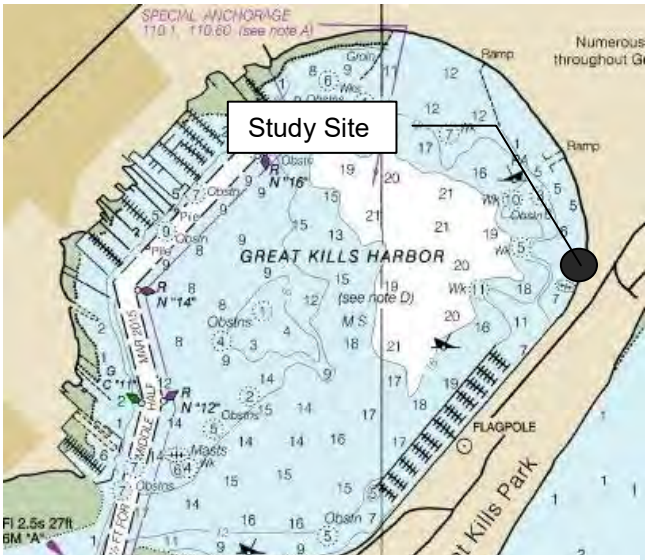


Figure shows water depth in feet at mean lower low water. NYC Ferry planning uses a minimum of 12 feet water depth when evaluating sites.

Great Kills

TRAVEL TIME COMPARISON

A direct ferry trip would provide a faster trip time than transit to both Lower and Midtown Manhattan. The ferry trip time below includes drive time to the landing site.



The table below shows approximate travel times to Lower and Midtown Manhattan from a central address in the study neighborhood, including some walk time to/from transit or ferry.

Destination	Car	Transit	Direct Ferry	Direct Ferry vs. Existing Transit
Lower Manhattan (Battery Park City)	**40-110 min / $9.48**	*(1 transit leg)* **65 min / $6.50**	*(~17 miles)* **59 min / $2.75**	**-6 min**
Midtown West (Midtown / West 39th St)	**55-105 min / $16.19**	*(1 transit leg)* **85 min / $6.50**	*(~20 miles)* **71 min / $2.75**	**-14 min**

Tottenville

SUMMARY



The study site is located next to a Staten Island Railway station in Tottenville at the southwestern corner of Staten Island. Tottenville is fairly low density residential area made up of mainly single family homes. On average, a direct ferry to Lower Manhattan would be faster than existing transit options. A direct ferry to Midtown Manhattan would likely be slower than existing transit options.

Currently there is no marine infrastructure or off-street parking at the site. A pier, gangway, and barge with piles would need to be installed to support a ferry at this location. Ferry travel through the Arthur Kill and Kill Van Kull waterways on the west and north sides of Staten Island would likely be unrealistic due to significant marine traffic in narrow waterways that would make safe and reliable ferry service challenging. Travel around the southeastern shore of Staten Island is more preferable, but would be exposed to potentially significant weather conditions for a large portion of the trip.

MARKET AREA

The market area is comprised of the Tottenville shore on Arthur Kill to Richmond Avenue (north of Amboy Road) and Arden Avenue (south of Amboy Road), as well as the eastern border by the Eltingville Staten Island Railway station.



- **Daily Commute Transit Trips:** ~4,400
  - **Trips to Lower Manhattan:** ~900
  - **Trips to Midtown Manhattan:** ~1,500
- **Transit Access:** Bus
  - **Bus: S78** ~0.2 miles from site
- **Ferry Travel Time to Manhattan:** Faster trip than transit to Lower Manhattan and longer than transit to Midtown West.

Tottenville

BACKGROUND INFORMATION

Neighborhood Characteristics

Tottenville is primarily a lower-density single-family neighborhood with single-story retail and businesses along Amboy Street.

Adjacent Properties / Waterway Use / Special Sites

There are old pilings where there was historically a pier. The Tottenville Staten Island Railway station is located immediately adjacent to the site.

Recent and Planned Substantial Development near Potential Site

There are two major proposed projects in the Tottenville area: the proposed Riverside Galleria Mall that included a waterfront promenade and the redevelopment of the Nassau Smelting and Refinery site that included a senior housing complex of over 600 units.

Latitude, Longitude	40.512130, -74.253032
Census Tract	248
Approx. Location	7 Bentley St, Staten Island, NY 10307
Previously Studied by EDC	2011, 2013
Borough	Staten Island
Borough President	James Oddo
City Council District	51
Council Member	Joseph C. Borelli
Community Board	3

PHYSICAL AND NAVIGATIONAL CONSIDERATIONS

Upland Access

Pedestrian, bike and vehicle access to this site would be via Bentley Street, which has sidewalk on one side. Limited parking is available along Bentley Street, but additional parking would likely be required to support ferry service.



Tottenville

Existing Infrastructure

Located at the end of Bentley Street in Tottenville, Staten Island, this site contains no existing infrastructure. It is likely that a new pier, gangway, and barge with piles would be necessary at this location.



Waterside Access

Waterside access to this location could be from the navigable waterway known as the Arthur Kill that separates Staten Island from New Jersey, or around the southern tip of Staten Island through Raritan Bay.

Travel through the marked channels of Arthur Kill and Kill Van Kull, while possible, would represent a long transit through highly congested waters that would likely be incompatible with maintaining a ferry schedule.

Travel around the southeastern shore of Staten Island through Lower Bay of New York Harbor would provide direct and straightforward access, but would represent a long trip by ferry that is exposed to potentially rough sea conditions for a considerable distance.

Near-shore water depths at this location appear to be adequate, but would need to be evaluated in more detail as existing charts provide insufficient clarity, particularly with existing remnants of past marine structures in this area.

- **Ownership:** NYC Parks and Recreation
- **Zoning:** R3X

Implementation Requirements

- Requires new pier, gangway, barge and piles. Offshore there are remnants of previous piers and structures, creating a pile field that would need to be eliminated.
- **Approvals needed:** Environmental review; New York State Department of Environmental Conservation and United States Army Corps of Engineers in-water permit; approvals from New York City Department of Parks and Recreation and National Parks Service
- **Estimated Capital Cost:** $8 million

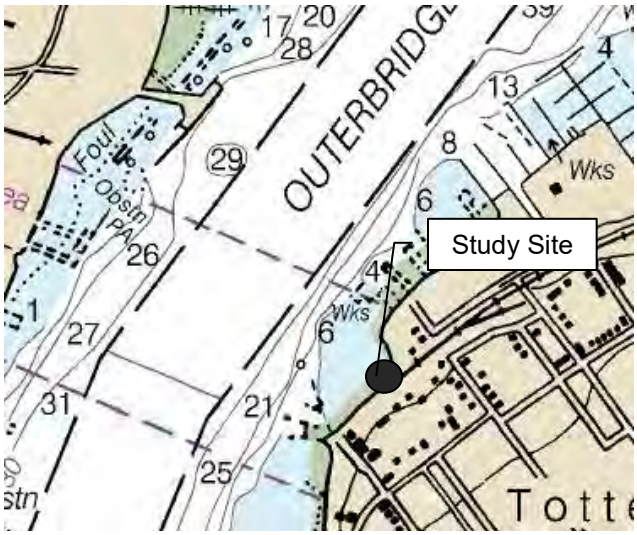


Figure shows water depth in feet at mean lower low water. NYC Ferry planning uses a minimum of 12 feet water depth when evaluating sites.

Tottenville

TRAVEL TIME COMPARISON

A direct ferry trip from Tottenville would be faster to Lower Manhattan but slower to Midtown Manhattan, compared to transit options today. The route travel time would be longer and less competitive as other stops are typically included in the route.



The table below shows approximate travel times to Lower and Midtown Manhattan from a central address in the study neighborhood, including some walk time to/from transit or ferry.

Destination	Car	Transit	Direct Ferry	Direct Ferry vs. Existing Transit
Lower Manhattan (Battery Park City)	**40-100 min/ $13.57**	*(3 transit legs)* **92 min / $6.50**	*(~ 24 miles)* **78 min / $2.75**	**-14 min**
Midtown West (Midtown / West 39th Street)	**40-75 min / $15.75**	*(1 transit leg)* **78 min / $6.50**	*(~ 28 miles)* **90 min / $2.75**	**+12 min**


NYC

RIDERSHIP DEMAND MODELING APPROACH

D

INTRODUCTION



PURPOSE

Building on the success of NYC Ferry's current system of six routes, this planning study, commissioned by the New York City Economic Development Corporation (NYCEDC), examines potential new landings and routes to expand ferry service within New York City (the City). This appendix presents the methodology of the ridership demand forecasting process for potential new NYC Ferry routes.

As with any study seeking to expand transit service, it is important to understand the ridership potential of any site considered for new service. The ridership models previously used in the 2013 Citywide Ferry Study were available for use in this study. However, the models used in the earlier study had known shortcomings that suggested the need for improvements and updates.

While the models used in the 2013 Citywide Ferry Study were able to replicate the observed ridership on the East River Ferry, they tended to under-estimate ridership on proposed new routes. Since these models were initially developed in 2009 for the Port Authority of New York and New Jersey (PANYNJ), their underlying parameters were already in need of updating. Finally, the models did not perform particularly well when modeling the choice between a new ferry route and the free Staten Island Ferry[1].

For these reasons the choice was made to update the ridership models used for this new study. The model updates incorporate information collected in the first year of NYC Ferry's expanded service, data collected from the 2018 summer passenger survey on NYC Ferry's routes, and 2018 GPS data on trip-making within the City as provided by, the data provider AirSage. This study also takes advantage of the models developed specifically for trips to and from Staten Island as part of analysis completed for NYCDOT in 2017. The Staten Island models were developed based on survey data collected in 2017 providing a recent understanding of passenger decision making regarding the choice between new ferry routes and the Staten Island Ferry (SIF). The ridership forecasting approach and model updates are detailed below.

1. The original model contains explicit choices between ferries and subways or express buses, but not between two different passenger ferry types.

INTRODUCTION

APPROACH

Ridership forecasts were produced by identifying the "in-scope" market (the potential users) and mode choice models were applied to simulate the choice between existing transportation options and a new ferry service. The current study builds off the 2013 ridership forecasting work, while incorporating extensive new modeling insights. Each aspect of this process has benefited from new information or data obtained as part of this study as follows:

In-scope market

The process of identifying the in-scope market for each site is based on identifying catchment areas for each site and then identifying the volume of trips from the site's catchment area to other landings' catchments. Previously the catchment areas were estimated as the area within ½ mile of the landing. In this study, catchment areas are based on actual origin and destination data collected from surveys during the course of this study, a significant improvement compared to the 2013 study. This improvement captures the varying characteristics between accessing a ferry landing in dense areas compared to areas of less density, such as Rockaway or Soundview, by basing the catchment areas of potential sites on the actual catchment size of comparable existing NYC Ferry landings.

Trip volumes

While the previous study relied on census data to estimate commuting volumes, the current study derived its trip volumes from cell phone based GPS data obtained from AirSage. The use of cell phone based GPS data eliminated the need to roughly estimate the volume of non-journey-to-work trips as those trips were part of the GPS data.

Mode choice model

Significant improvements were implemented in the application of the mode choice models used to predict those users who would switch their current mode of travel to a new ferry service. The present study uses two sets of estimated mode choice models, the Citywide Ferry Study (CFS) models and the Staten Island Ferry (SIF) models instead of simply using the CFS models as the 2013 study did. The CFS models have difficulty modeling the choice between the Staten Island Ferry and potential NYC Ferry services, a known difficulty in the 2013 study. Previous work completed for NYCDOT included the development of a Staten Island specific mode choice model, the SIF model, from a stated preference (SP) survey conducted in the summer of 2017. By using the SIF model for trips to and from Staten Island, the choice between the SIF and new services is more accurately modeled. In addition to providing a new model for trips to and from Staten Island, the analysis also provided insights into developing a non-commute CFS model.

Non-commute market

As previously mentioned, the 2013 study relied primarily on journey-to-work (JTW) data and as such only utilized a commuter mode choice model. With the non-JTW trip data provided by the GPS data and an understanding on the non-JTW market provided by the NYCDOT analysis, the team developed mode choice models for the non-JTW trips. These models were applied to estimate diversion rates within the non-JTW market.

Value of time

The value of time (VOT) measures were revisited. Data collected from the customer survey conducted on NYC Ferry's routes in the summer of 2018 was used to confirm the VOT in the CFS models were accurate. As the JTW CFS model was initially developed in 2009, it was important to confirm the VOT measures were still accurate nearly a decade later.

All of these improvements to the model have enabled the team to more accurately model behavior across NYC Ferry's current system as seen through this study's calibration process, which is described in the Mode Choice Model section of this appendix. Complete details on each improvement and the calibration are discussed in the following section.

MODELING APPROACH

The model for forecasting ferry demand implements a well-established three-stage process. In the first step, the in-scope travel market is estimated. In the second step, the mode shares of the proposed ferry services are calculated using mode choice models. The mode shares are applied to the travel market demand to obtain an estimate of the number of trips diverted to the new ferry service. In the third step, the growth of the travel markets to future years is estimated.

This section documents the ridership forecasting approach used in this study, which follows the three-process highlighted above:

- Identify the in-scope market for potential ferry sites/ routes, focusing on existing transit trips;
- Apply a mode choice model to forecast diversion to the proposed routes in the base year of 2018; and
- Grow the forecast ridership in future years.

In addition to outlining the approach, this section also notes key improvements undertaken in the modeling process compared to the 2013 Citywide Ferry Study's modeling exercise. For each step in the forecasting process, the overall process is described, noting improvements from the previous study, and identifying data sources.

IN-SCOPE MARKET

Approach

The determination of the in-scope market is instrumental to producing robust forecasts. As such, the sizing of the market was the subject of most of the model improvements implemented in this study. Those improvements included the use of GPS data (provided by AirSage) for the trip tables and sizing site catchment areas based on observed catchments in the NYC Ferry network.

The use of cell-phone based GPS data allowed for the modeling of both commuters and non-commuters as opposed to the earlier 2013 study which was based solely on modeling the JTW market. The estimation of the non-JTW market was possible because the cell phone based GPS data collects information on all trips, regardless of trip purpose and mode. While the GPS data contains information about trips made by cars, these are generally removed from the trip tables as auto users are currently expressing a strong preference for car use by not using the City's expansive transit network. The GPS data also covered weekdays and weekends allowing for weekends to be modeled in addition to weekdays. The cell phone based GPS data classifies trips based on their starting and ending locations as being home, work or other. Home and work locations are identified for each device based on where the device spends the majority of its time during the day and night. This approximation of trip purposes provided a summary of trips by their origin and destination type, for example a home-based work trip or home-based other trip.

In addition to using GPS data sources for the trip tables, observed NYC Ferry data was used to develop the catchment areas for each potential site. Surveys of current ferry customers were conducted in the summer of 2018 and collected information on ferry users' origin and destination. The information, collected at the ferry route level, allowed the team to define more accurately the ferry sites' catchment area.

In the previous study, a site's catchment area was based on a generic ½ mile semicircle around the site - with special allowances made for certain sites that might be expected to draw from a larger area due to bus lines or parking lots. The semicircle approach was based on an understanding of the East River market as seen on the East River Ferry; however, this approach was not applicable in all parts of the City. While the ½ mile catchment was a good approximation for the Astoria landing, as shown in Figure 2.1, the same logic failed for the Rockaway landing, shown in Figure 2.2. Rockaway's catchment area effectively covers an eight mile stretch of Rockaway. The figures show the origins (green) and destinations (red) of ferry riders using the Astoria or Rockaway landings. This data was collected as part of the 2018 summer survey.

MODELING APPROACH

Figure 2.1: Astoria Catchment

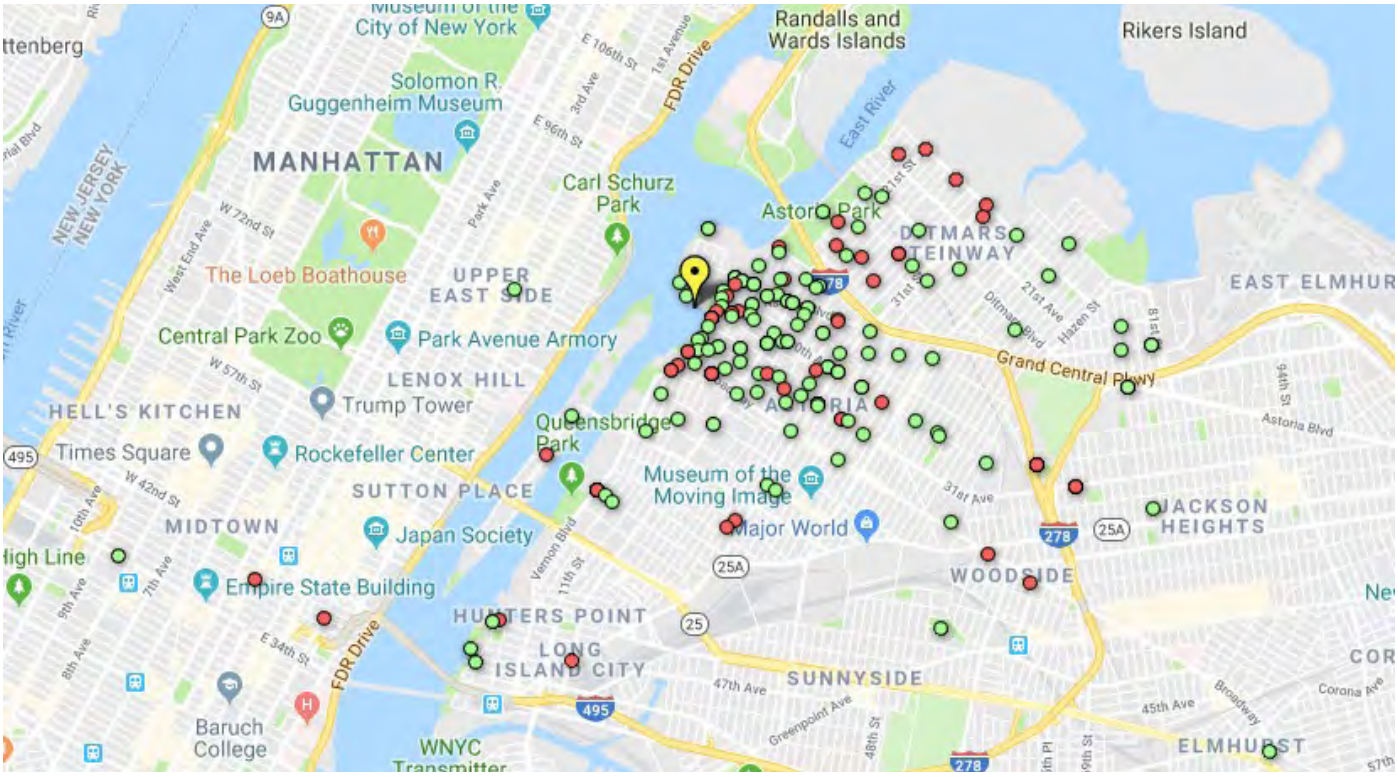
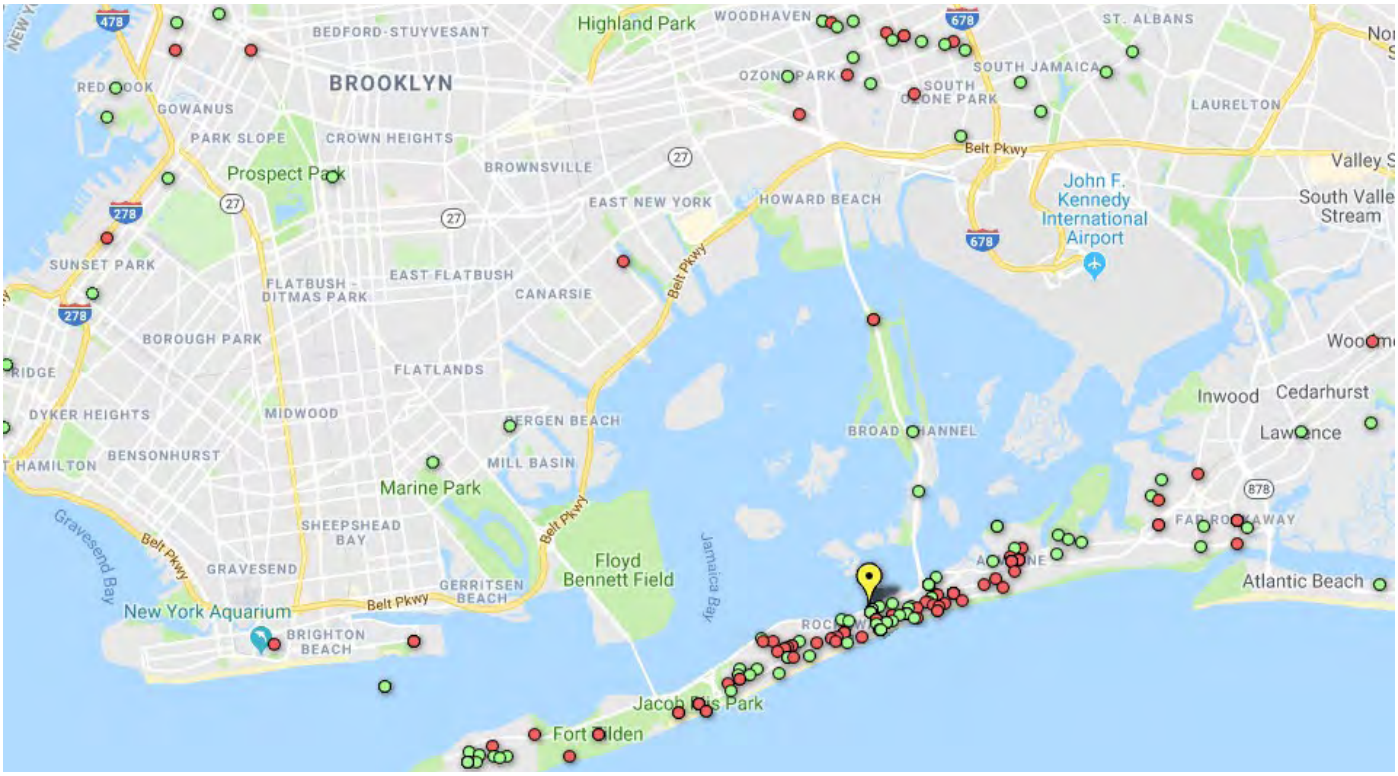


Figure 2.2: Rockaway Catchment



MODELING APPROACH



The move away from Census data to cell phone based GPS data, combined with the new site-specific catchment areas, required that the whole system be calibrated and validated against known traffic and ferry and transit ridership. The AirSage data and validation processes are detailed below with the model validation process to follow.

GPS Data Summary

AirSage provided GPS-based trip data for April 2017 covering weekday and weekend trips within the five boroughs between 6am and 10:30pm. The AirSage GPS data is anonymous, contains no personally-identifiable information and does not enable targeting specific individuals in any manner. AirSage aggregated the data into the average weekday day and the average weekend day, with each having 25 million and 18 million daily trips respectively. The trips were split into three time periods:

- AM: 6am-10am
- Mid-Day: 10am-4:30pm
- PM: 4:30pm-10pm

There were approximately 5.8M trips in the AM time period, 9.9M in the mid-day and 9.5 in the PM time period. The data was further classified into the following nine trip purposes:

- HBW: Home-based work
- HBH: Home-based home
- HBO: Home-based other
- WBH: Work-based home
- WBH: Work-based work
- WBW: Work-based work
- OBO: Other-based other
- OBH: Other-based home
- OBW: Other-based work

The AirSage data was collected geographically using a zone system that provides more granularity along the ferry accessible waterways. The zone system used for the GPS data is displayed below in Figure 2.3. The 70 zones used for collecting the GPS data were disaggregated into the 200 zones used in the forecasting model. This disaggregation was done based on population distributions within the larger zones.

Figure 2.3: 70 Zone System for GPS Data

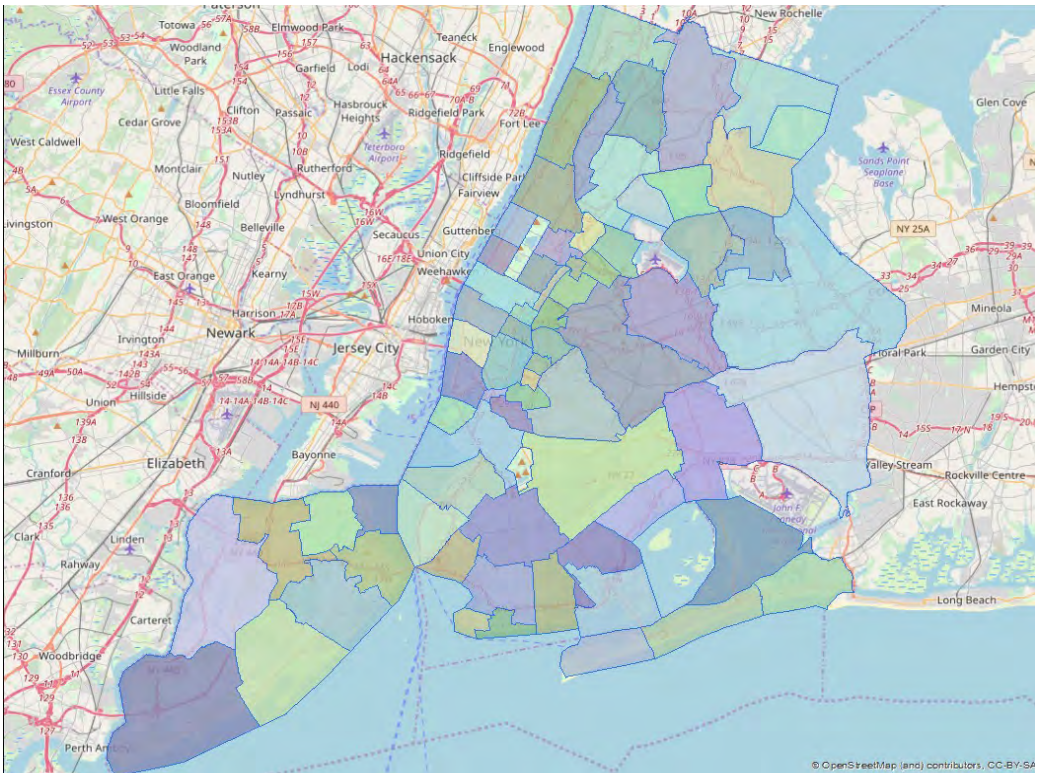
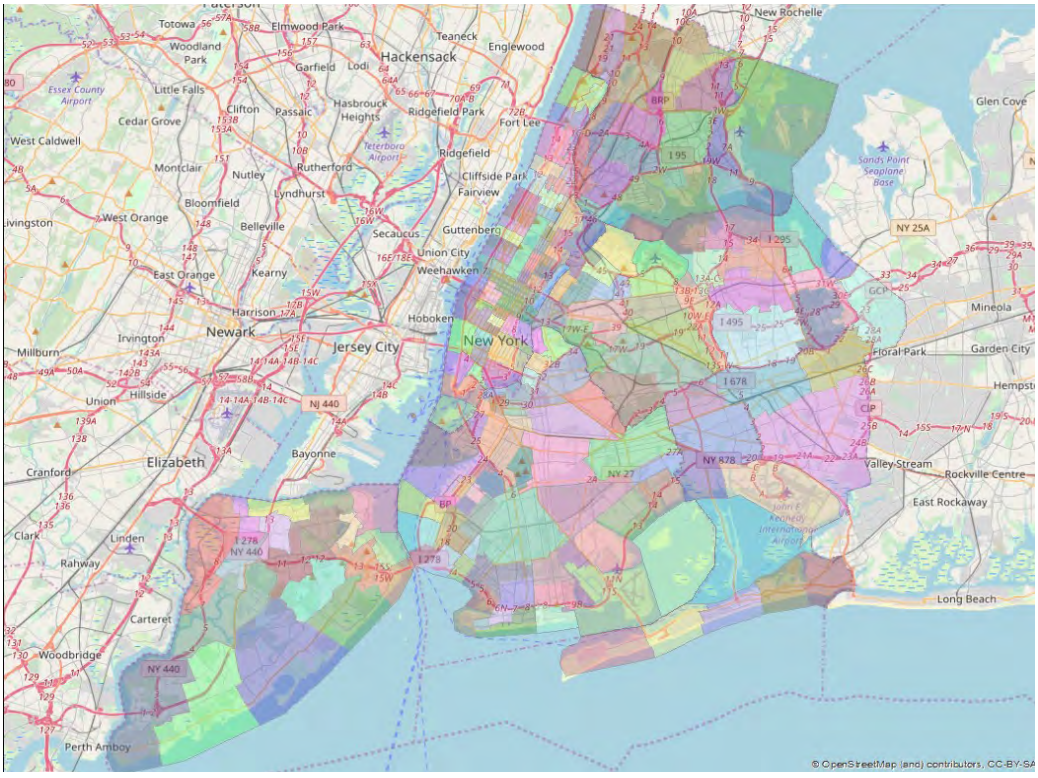


Figure 2.4: Detailed Zone System for the Forecasting Model



MODELING APPROACH

Validation of the GPS data

In order to confirm the validity of the GPS data, the GPS data was compared to the American Community Survey (ACS) data which includes data on resident's places of work and residence. In addition to the ACS data, the New York Metropolitan Transportation Council's (NYMTC) Best Practice Model (BPM) was also used as a comparison point. Comparing the numbers of commuters by borough pair between the three data sources allowed for a classification of some non-home based trips to be part of commutes (it is quite common for commuters to stop along their commute, and the GPS data would produce one HBO trip and one OBW trip).

The comparison of the three data sources is shown in Table 2.1 below.

Table 2.1: Comparison of Commuter Volumes in GPS, ACS CTPP and BPM Data Sources

Key Borough Pair	GPS	ACS*	BPM (2017)	GPS vs ACS	GPS vs BMP
Brooklyn – Brooklyn	807,615	717,177	1,116,898	13%	-28%
Queens – Brooklyn	205,536	207,857	106,212	-1%	94%
Staten Island – Brooklyn	48,612	49,265	76,670	-1%	-37%
Bronx – Manhattan	236,872	294,031	620,994	-19%	-62%
Brooklyn – Manhattan	653,128	557,577	300,438	17%	117%
Manhattan – Manhattan	865,562	935,429	1,312,058	-7%	-34%
Queens – Manhattan	586,570	524,552	918,584	12%	-36%
Staten Island – Manhattan	53,721	73,056	33,554	-26%	60%

While the GPS data differs from the ACS and the BPM data, it generally falls between the two. In addition to the BPM and ACS comparisons, the resulting GPS-based trip table was compared to the trip table used in the NYCDOT analysis. The trip tables produced by both analyses of trips between Manhattan and Staten Island were nearly identical, providing increased confidence in the GPS data.

Based on this validation process, the decision was made to proceed with the use of the GPS data as the model's trip tables. Once validated, the trip table was disaggregated from the 70 AirSage zones into the 200 model zones so that individual landing catchment areas could be identified.

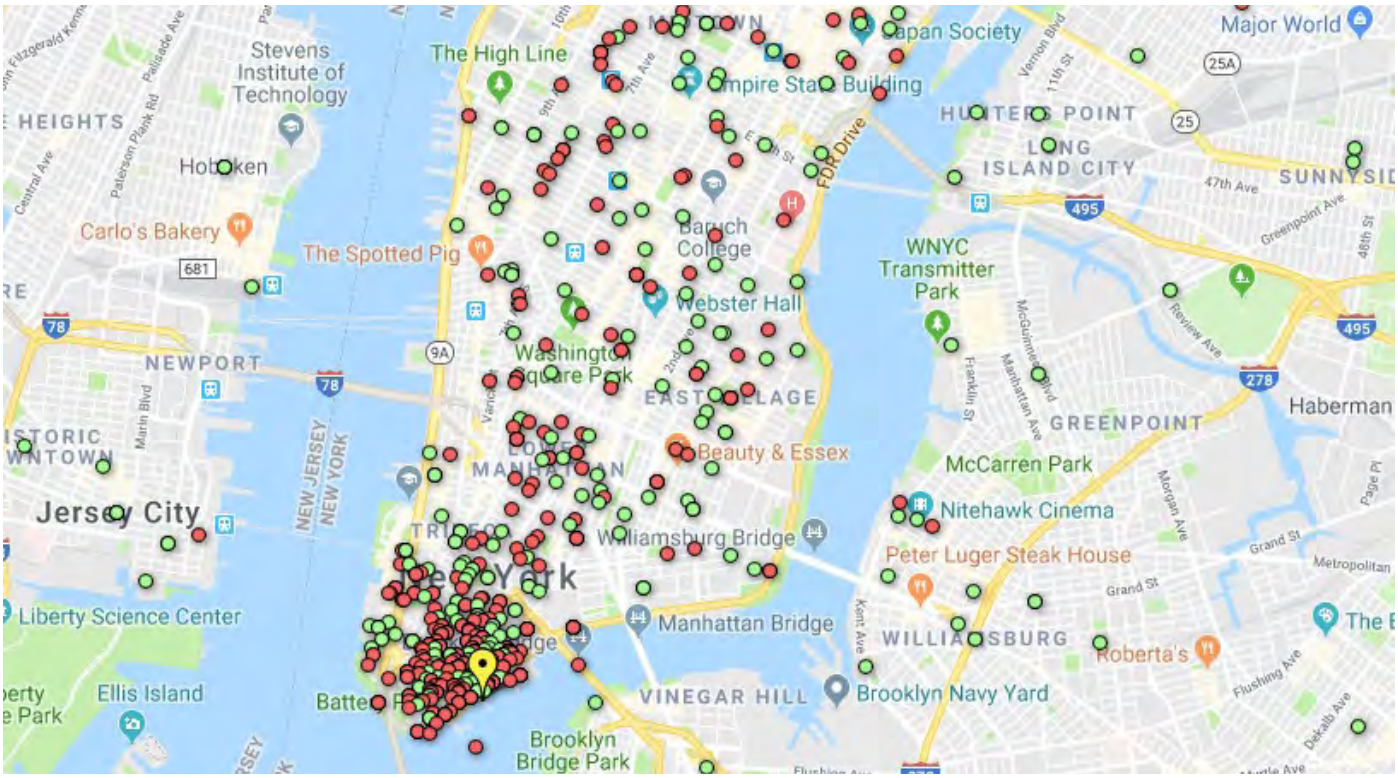
Landing Catchment Areas

A landing catchment area is defined as the geographic area near the landing where most ferry riders are coming from. The identification of landing catchment areas is crucial to accurately modeling ferry ridership. As was previously mentioned, the 2018 customer survey on NYC Ferry's routes included questions about riders' origins and destinations. These questions were used to identify the catchment areas for each of the existing landings. Generally, the previous assumptions from the 2013 model were proven to be reasonable. For the most part, the survey confirmed the ½ mile semicircle. While confirming several catchment areas, the survey provided new information for sites like Rockaway and Pier 11. Notably, origins and destinations of ferry riders at Pier 11 show that a significant number of riders are also using the subway for a portion of their trip as seen in Figure 2.5 Additionally, riders of the Rockaway route come from a much larger catchment than previously expected.

MODELING APPROACH

These improvements to identifying the in-scope market enable more detailed modeling than previously used in the 2013 Citywide Study. The next step in forecasting ridership is to apply the mode choice models to the in-scope markets. This process is described in the following section.

Figure 2.5: Origins and Destinations Ferry Riders at Pier 11



MODE CHOICE MODEL

Approach

Following the identification of the in-scope markets, the next step is to apply mode choice models to estimate the number or trips that will be diverted to the potential new routes. Staten Island residents' preferences and ferry usage is different than those from the other boroughs. Accordingly, separate behavioral models were developed.

Two sets of mode choice models were used for this study: the SIF mode choice models used in the NYCDOT analysis were used for State Island-based ferry routes, while the CFS mode choice models were used on the other routes. The CFS models were able to successfully replicate ridership on the East River route, and the SIF models were recently developed and tested in the 2017 Staten Island study and were customized to the Staten Island market.

The two sets of models and their key differences are outlined below. Ultimately, both models were combined into a single tool to estimate ridership potential on the proposed ferry routes.

MODELING APPROACH

SIF Models

The Staten Island Ferry (SIF) mode choice models were used in the NYCDOT analysis to estimate ridership. There are two models, one for express bus users and one for SIF users. The express bus model was previously developed for the PANYNJ while the model for SIF users was developed as part of the NYCDOT analysis. This effort included a Stated Preference (SP) survey to evaluate travel preferences of Staten Island travelers currently using the SIF (between St. George and Whitehall).

Within this study, the SIF models are used only for people traveling between Staten Island and the other boroughs. These travelers are split into two user types: existing SIF travelers and existing express bus users. The two user types are expected to have different travel preferences and used two different mode choice models.

The 2017 SP survey revealed differences in preferences by trip type – commuters have a higher value of time than non-commuters. Therefore, mode choice models were developed for SIF commuter and non-commute trips separately. The coefficients for all Staten Island models are shown below:

Table 2.2: Staten Island Model Coefficients

Market	Mode	Out of Vehicle Time	In-vehicle Time	Total Time	Transfers	Headway	Fare	Female Constant	Potential Ferry Constant
All	xBus	-0.20	-0.10			-0.08	-0.60	-0.99	-3.91
Commutation	SIF			-0.052	-0.13	-0.006	-0.30*		-0.35
Non-Commutation	SIF			-0.049	-0.19	-0.004	-0.28*		-0.44

** The fare coefficient for SIF travelers is a function of income (Cost / ln(Income ($k)), meaning that travelers with higher incomes are less price sensitive than those with lower incomes. The coefficients listed are for a representative $80k income.*

These coefficients imply that express bus is preferred to ferry and the existing SIF (St. George – Whitehall) ferry is preferred to a new ferry service. Mode choice model coefficients can be more readily interpreted when converted into time and monetary values. As used in travel demand modeling, the VOTs represent the amount of money that a traveler would be willing to pay in order to save a unit of time. These models' VOTs are within the $10-11 dollar per hour range (2017 $s), with SIF users having a higher VOT than express bus users and commuters having a higher VOT than non-commuters.

CFS models

The CFS tool was developed in 2013 and used mode choice models developed for PANYNJ in 2010. The mode choice models differentiate preferences between subway and bus travelers. They were applied to business travelers only in the 2013 Citywide study. In this effort, non-business models were developed using differences in VOTs seen in the 2017 Staten Island SP survey.

The coefficients for the CFS (excluding express bus) are shown below for subway and bus trips. Multi-modal trips, such as a trip using both the subway and buses, used a combined model.

MODELING APPROACH

Table 2.3: Citywide Ferry Study Coefficients

Market	Mode	Out of Vehicle Time	In-vehicle Time	Headway	Fare	Female Constant	Potential Ferry Constant
Commutation	Bus	-0.20	-0.10	-0.08	-0.60	-0.99	1.15
Non-Commutation	Bus	-0.16	-0.08	-0.06	-0.49		0.92
Commutation	Subway	-0.06	-0.07	-0.06	-0.48	-0.60	0.56
Non-Commutation	Subway	-0.06	-0.06	-0.05	-0.39		0.45

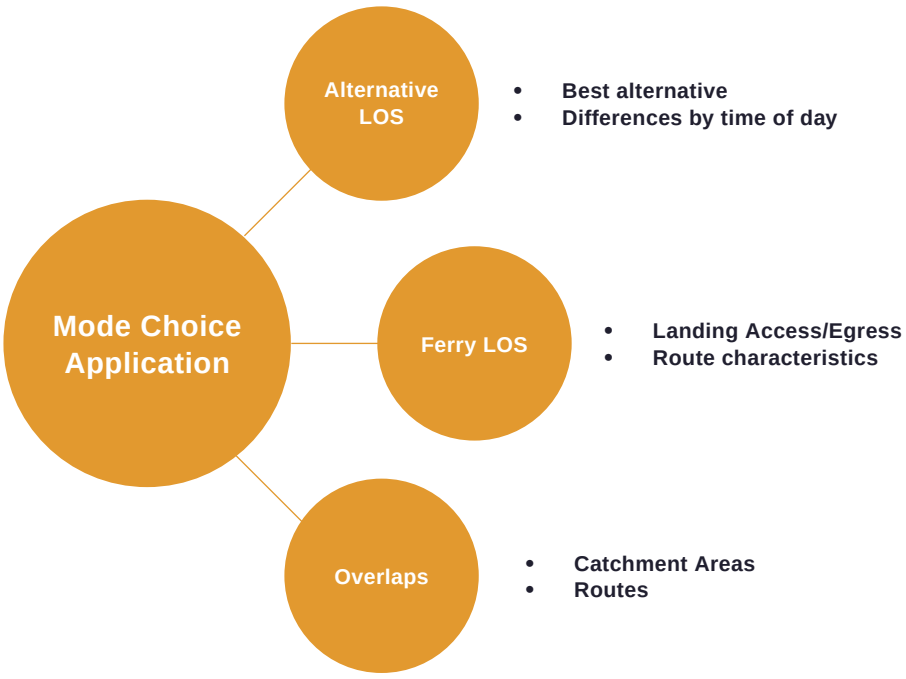
The coefficients imply that ferry is preferred to bus and subway alternatives. Values of time are in the $8-9 per hour range. These VOTs were confirmed in the 2018 survey of NYC Ferry riders. While transfers are not penalized in these models, out of vehicle and in-vehicle time are valued differently.

Mode Choice Model Application

This study involved the development of a new demand tool that combined previous work on the 2013 Citywide Ferry Study and in the 2017 Staten Island study. The aforementioned models (CFS and SIF models) were both used; this section outlines how the models were applied.

Any trips to or from Staten Island used the SIF models, while all other trips used the CFS model. All modeled trips followed a similar process aside from the coefficient selection. This process is summarized graphically in Figure 2.6.

Figure 2.6: Mode Choice Application – Levels of Service



MODELING APPROACH

Central to the mode choice application is the identification of levels of service (LOS) for proposed ferry routes and best available transit alternatives. A script was developed to pull the best transit options from Google Maps for the non-ferry alternatives. Additionally, the best transit options were used for the ferry access and egress. Ridership was estimated for weekends and peak and off-peak weekdays separately, necessitating differing LOS by time of day and day of week when appropriate.

Proposed ferry route characteristics were developed and joined together with the access and egress characteristics in the demand tool. Ferry to ferry transfers were not permitted in this tool; survey data from NYCEDC suggests a very small percentage (<2%) of NYC Ferry riders transfer between ferries.

Another component of evaluating the proposed ferry routes against existing alternatives is properly handling overlapping routes. Travelers that have, for example, two ferries that could help them complete their trip essentially have better service than if they have only one. This is because the combined frequencies result in more frequent ferry service for the user.

To accurately reflect this overlap in the demand tool, a “blended ferry option” was modeled for overlapping routes, which calculated frequency-weighted LOS for the combined ferry service. The mode choice models then evaluated the blended ferry option versus the alternative transit option. The routes were also estimated individually, to obtain ratios to split the blended ferry ridership onto individual routes.

In some cases, catchment areas for the proposed NYC Ferry landings overlapped. One example along existing routes is North and South Williamsburg. Travelers starting their trips in Williamsburg likely can walk to either landing. In the event of overlapping catchment areas, travelers are assigned to the closest landing.

Calibration

A key metric for evaluating the demand tool and mode choice models is how well they reproduce existing NYC Ferry ridership. April 2018 NYC Ferry ridership data was used to calibrate the model to observed ridership on the East River (ER), Astoria (AS), Rockaway (RW), and South Brooklyn (SB) Routes. Route-level calibration results are shown in Table 2.4:

Table 2.4: Route-Level Calibration Results

Route	Average Daily Boardings			Average Weekday Boardings			Average Weekend Boardings		
	Target	Model	% Diff	Target	Model	% Diff	Target	Model	% Diff
AS	2,248	2,186	-3%	2,314	2,232	-4%	2,081	2,071	-0.05%
ER	5,882	5,824	-1%	5,470	5,827	7%	6,910	5,816	-16%
RW	1,135	1,006	-11%	1,151	1,109	-4%	1,093	748	-32%
SB	1,226	2,082	70%	1,087	2,158	99%	1,574	1,893	20%

MODELING APPROACH

These results highlight a few important findings:

- The models and tool perform well on weekdays and on the system as a whole.
- South Brooklyn modelled ridership comes in very high; possibly due to imperfect splitting of overlapping service with East River.
- Rockaway consistently modelled low compared to actual ridership. A Rockaway-specific factor was used to get the average weekday ridership close to observed.
- Weekend ridership, except for South Brooklyn, models low compared to actuals.

To evaluate the model performance at a landing level, landings in the same region were grouped together. Average weekday ridership for existing site groupings is shown in Table 2.5.

Table 2.5 indicates that the model does a fairly good job at replicating ridership for the key groups of landings.

Additional takeaways are:

- High ridership at Brooklyn Army Terminal is contributing to South Brooklyn's route modeled ridership being high. This should be considered when evaluating modifications to the South Brooklyn route.
- North Williamsburg ridership is modelled low, whereas South Williamsburg and Greenpoint see higher modelled ridership than observed. This is likely due to an imperfect zone system and method for modelling overlapping routes.

Finally, while reviewing the average daily ridership results, the model ability to estimate the commute versus non-commute trips was evaluated. The 2018 EDC summer survey provided that about 35-45% of trips on the NYC Ferry System are commute trips. The calibrated model has a trip purpose split of 35-37% commuting trips for most routes, with 61% on the Rockaway route.

Table 2.5: Landing-Level Calibration Results for Average Daily Ridership

Group for Calibration	Target	Model	% Diff
Long Island City - South	524	578	10%
Long Island City - North	501	618	23%
Astoria	397	273	-31%
Total - Queens ER	**1,422**	**1,470**	**3%**
Pier 6	130	191	47%
Dumbo	1,365	1,354	-1%
Total - Dumbo / BK Heights	**1,495**	**1,545**	**3%**
S Williamsburg	464	665	43%
N Williamsburg	1,180	533	-55%
Greenpoint	519	875	69%
Total - North Brooklyn	**2,162**	**2,073**	**-4%**
Bay Ridge	200	181	-10%
Brooklyn Army Terminal	197	297	51%
Red Hook	159	200	26%
Total - South Brooklyn	**556**	**678**	**22%**

MODELING APPROACH



After calibrating the demand tool to existing ridership in April 2018, Steer ran the full NYC Ferry System as it is today: with the Lower East Side and Soundview routes in addition to the four calibrated existing NYC Ferry routes.

The additional routes used the available ridership counts as of November 2018 as their targets. The Lower East Side route modelled high in the 2013 study, with 3,400 modelled daily riders compared to its target of 1,060 daily riders. Soundview modelled low, with 1,300 modelled daily riders compared to its target of 2,160.

The Lower East Side results indicates that the model does not predict intra-Manhattan trips very well. The percent difference between modelled and actual ridership on the Lower East Side Route was used to modify proposed routes with intra-Manhattan trips. The reasoning here is that the trip tables used do not exclude walkers, bikers or other route captives (people who will not change their route at all, potentially due to an attraction or important intermediate stops like dropping children off at school).

The Soundview results suggest that our catchment area for Soundview might be too small. Modifications to the Soundview route should be and were compared against the modelled existing route.

GROWTH ASSUMPTION

Growth in future ferry ridership is provided by NYMTC's socioeconomic forecasts. NYMTC provides population and employment projects at the traffic analysis zone (TAZ) level. These forecasts are aggregated into the model zones and catchment areas. They are then applied on an OD-basis, where population growth in potential ferry riders' origins and employment growth in their destinations are combined to produce forecast growth rates.

The introduction of a new transportation service will improve the overall level of service for travel within the study area. The introduction of new ferry route may result in trips being made that were not made before. These are called induced trips. The final step in the ridership forecasting process can therefore be to forecast the volume of these induced trips brought about by the new ferry routes.

MODELING APPROACH

No additional induced trips have added to the forecasted results. The estimation of induced demand requires a complex sets of inputs including local economic and demographic conditions, the quality and availability of alternative transportation options, and information on the decision-making processes of thousands of individual actors that are difficult to quantify with certainty. Therefore, it is preferable to assume minimal induced demand.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- Harbor Water Quality
- Trash in Waterways
- Waterbody Advisories

Coney Island Creek

Coney Island Creek, located in southwest Brooklyn, is tributary to Gravesend Bay and flows in a southwesterly direction. The first inhabitants of the study area were the Algonquin Indians. Shellfish and finfish were abundant in the waters of the region and were an important part of the Algonquin diet. The region was covered with broad-leaf hardwood forests, salt marshes, and freshwater streams. In the colonial era, Coney Island was part of the township of Gravesend, the only English town along with five Dutch settlements that would later become Brooklyn. Coney Island was predominantly farmland during the late seventeenth and eighteenth centuries. During the nineteenth century, the railroad reached the public beaches at Coney Island and it became a fashionable resort community with horse racing as the main attraction. Ornate wood-frame hotels were built to accommodate visitors from Manhattan and downtown Brooklyn. When amusement rides and spectacles were introduced in the 1890s, Coney Island began to assume the character for which it would become famous. The extension of the subway to Coney Island in the 1920s made the area accessible to all New Yorkers.

Once a bountiful source of fish and oysters, Coney Island Creek is no longer a natural feature. The Coney Island Creek watershed drainage area is now highly urbanized. The majority of Coney Island Creek has been channelized with bulkheading and rip rap. The lower portion of Coney Island Creek is lined with numerous obstructions including wrecks, old barges, pilings, and construction debris. The upper portion of the Creek becomes choked with abandoned cars and boats, pilings, and other urban refuse. Increases in population and urbanization over the last century has resulted in an increase in annual runoff to the waterbody and has all but eliminated any natural response mechanisms (tidal marshes and buffer zones) that might have

helped absorb this hydraulic load. Combined and separated sewers have replaced natural freshwater streams such that the only source of freshwater to Coney Island Creek is CSO and stormwater discharges. As a result, Coney Island Creek receives approximately 290 million gallons a year of combined sewage through the permitted CSO outfall to the Creek. In addition, the Creek receives another 1,487 million gallons per year of urban stormwater. As a consequence of these discharges, nuisance conditions resulting from solids and floatables have impaired its recreational use while depressed dissolved oxygen levels have impacted aquatic health. Elevated bacteria concentrations are common. Restoring Coney Island Creek to its pristine condition is no longer possible due to hydraulic modifications that removed the natural wetlands habitat and man-made conditions that simply cannot be reversed.

Expand All | Collapse All

- **Long Term Control Plan**
- **Public Meetings**
- **Waterbody/Watershed Facility Plan**
- **Additional Materials**

Get Involved

For more information, please email ltcp@dep.nyc.gov and visit our LTCP Program webpage.

ABBREVIATED PRELIMINARY ASSESSMENT CHECKLIST

This checklist can be used to help the site investigator determine if an Abbreviated Preliminary Assessment (APA) is warranted. This checklist should document the rationale for the decision on whether further steps in the site investigation process are required under CERCLA. Use additional sheets, if necessary.

Checklist Preparer: Scott T. Snyder /Senior Project Scientist (Name/Title) — September 2020 (Date)

205 Campus Drive, Edison, NJ 08837 (Address) — (732) 417-5828 (Phone)

s.snyder@westonsolutions.com (E-mail Address)

Site Name: Coney Island Creek

Previous Names (if any): N/A

Site Location: Cropsey Avenue (Street)

Brooklyn (City) NY (ST) 11224 (Zip)

N/A (Block) N/A (Lot)

Latitude: +40.581659° **Longitude:** -73.985689°

Note: The site location coordinates, which correspond to the creek location at the Cropsey Avenue Bridge, were obtained from Google Earth.

Describe the release (or potential release) and its probable nature:

The Coney Island Creek site, which is considered to be a sediment plume with multiple possible sources of contamination, was discovered via Petition for Preliminary Assessment (PA) submitted to EPA Region 2 on March 3, 2020. Among the reasons for requesting the PA, the petitioner cited contaminants in the waterway from surrounding historical industrial land use, previous and future impacts to the surrounding community from storm surges, the suspension of a U.S. Army Corps of Engineers (USACE) harborwide coastal storm risk management feasibility study, and proposed dredging (for ferry service into the creek) without a full understanding of the risks posed by suspected contamination within the creek.

The Coney Island Creek study area is located in the Coney Island and Gravesend areas of Brooklyn (Kings County), NY. Coney Island Creek is a tidal inlet that separates the western end of the Coney Island peninsula from the Brooklyn mainland. The creek has undergone significant alterations from its original, natural state. Prior to development, the creek was a small waterway that ran from Gravesend Bay to what is now Cropsey Avenue. The creek was later extended eastward, completely separating Coney Island from Brooklyn's mainland, reaching from Gravesend Bay in the west to an inlet from Sheepshead Bay in the east. During the 1920s and 1930s, the eastern half of the creek was filled for highway and other development projects with unspecified landfill material. In 1962, additional portions of the inlet from Sheepshead Bay were filled with soil that had been excavated during construction of the Verrazzano-Narrows Bridge. As a result, Coney Island returned to being a peninsula. The creek now extends approximately 1.8 miles from a culvert at Shell Road on the eastern end to Gravesend Bay on the western end. The width of the creek varies from 60 to 250 feet, although it opens up to 700 feet at the western end at Gravesend Bay. The depth of the creek at mean low water varies from 1 foot in the narrow eastern end to 15 feet in the wider central portion. **Appendix A** includes a Site Location Map and 15-Mile Surface Water Pathway Map for the Coney Island Creek site.

The majority of Coney Island Creek has been channelized with bulkheading and riprap. The lower (western) portion of the creek is lined with obstructions, including shipwrecks, old barges, pilings, and construction debris. The upper (eastern) portion of the creek is reported to contain abandoned cars and boats, pilings, and other urban refuse. Increases in urbanization and impermeable surfaces have increased stormwater runoff to the creek and significantly reduced or eliminated tidal marshes or other buffer zones that could absorb the extra load. According to the New York City Department of Environmental Protection (NYCDEP), Coney

Island Creek receives 290 million gallons of discharges per year through permitted CSO outfalls and more than a million gallons of stormwater runoff per year.

Environmental characterization of Coney Island Creek was conducted as part of a remedial investigation (RI) at the Former Brooklyn Borough Gas Works MGP site next to the eastern portion of the creek. Surface water and sediment samples were collected from the eastern portion of the creek. The analytical results indicated that creek sediments were contaminated with polycyclic aromatic hydrocarbons (PAHs) and BTEX compounds (i.e., benzene, toluene, ethylbenzene, and xylene) that are attributable to the former MGP; inorganic constituents, such as arsenic and lead, were detected in sediment collected near the CSO and stormwater outfalls. Surface water samples also showed the presence of BTEX compounds near stormwater outfalls. A non-aqueous phase liquid (NAPL) in the form of a dense oily liquid was observed to be seeping into the creek from the site's subsurface near the former gas holders and saturating creek sediment; in some areas, the NAPL existed as scattered discontinuous globules. The NAPL was a significant source of PAHs and BTEX compounds to creek sediments.

Contamination at the Former Brooklyn Borough Gas Works MGP site (State ID No. 2-24-026) and the adjacent segment of Coney Island Creek were addressed by NYSDEC under an ongoing MGP site investigation and remediation program, which consists of investigation, evaluation, cleanup, and long-term monitoring. Records of Decision (ROD) detailing selected remedies for the site and the adjacent creek sediments were published by NYSDEC in March 2001 and March 2002, respectively, and remedial measures commenced in 2003. After remediation of the upland site operable units (OU1 and OU3), remedial measures were implemented in the Coney Island Creek operable unit (OU2) beginning in March 2007. The OU2 remediation included excavation of coal-tar-contaminated materials from the entire width of the creek, extending from the culverts at Shell Road (i.e., the eastern end of the creek) to the Metropolitan Transit Authority (MTA) bridge 0.4 mile downstream; the removal of the top 3 feet of contaminated sediment; and the replacement of the excavated sediment with clean materials consisting of gravel, sand, and organic material on top of a geotextile fabric that acts as a demarcation layer. A total of 97,541 tons of contaminated sediment were removed from the creek for off-site disposal. The remediated creek segment (i.e., OU2) was delineated based on the extent of NAPL and coal tar observed in creek sediments, and on the rationale that PAHs beyond the MTA bridge could be attributed to other sources along the creek. As MGP contaminants were detected at the maximum sampling depth of 10 feet below the sediment surface, contaminated sediment is known to remain in place below the 3-foot cap. Other remedial measures included installation of perimeter barrier walls, NAPL collection, groundwater collection and treatment prior to discharge to the creek, and restoration of the creek bank. The Former Brooklyn Borough Gas Works MGP site is listed twice in the SEMS-Archive site inventory, as Bklyn Union Gas /Coney Island Gate Sta (EPA ID No. NYD980532196) and as Bklyn Union Gas /Coney Island Works (NYD980532022).

In October 2012, EPA collected sediment samples from eight locations within Coney Island Creek from 0 to 15 centimeters (cm), or 5.9 inches, below the sediment surface. The sediment samples were collected to provide reference data for the Newtown Creek Superfund Site (EPA ID No. NYN000206282) Remedial Investigation/Feasibility Study (RI/FS). One sample was collected from the eastern portion of the creek adjacent to the former Brooklyn Borough Gas Works MGP site. The remaining seven samples were collected from the central portion of the creek extending from east of Cropsey Avenue to a location near the Six Diamonds recreation area. Sample results show the presence of PAHs and metals in creek sediments at all sample locations; VOCs and pesticides were also detected.

Despite the impaired nature of Coney Island Creek, it is utilized for a variety of recreational activities, including boating and birding. Four city parks are located adjacent to the western portion of the creek near the mouth at Gravesend Bay, with a combined 1.1 miles of shoreline of varying accessibility. Although not an officially sanctioned use of the creek, primary contact in the form of swimming and baptisms have been reported along the sandy southwestern shoreline of the creek near Gravesend Bay. Although the presence of chemical and biological contamination in the creek is well-known, Coney Island Creek is fished for human consumption. Species of fish caught for consumption include mullet, porgy, striped bass, fluke, and bluefish. There is one permanent residence situated directly on the creek shoreline, as well as multiple encampments populated by homeless people. Coney Island Creek is situated within the core area of the New York-New Jersey Harbor Estuary. Sensitive environments subject to potential contamination along the 15-mile surface water pathway include habitat known to be used by Federal-designated (4) and State-designated (16) endangered or threatened species, approximately 62 miles of HRS-eligible wetland frontage, and the Gateway National Recreation Area.

On September 3, 2020, Weston Solutions, Inc. (WESTON®) Region 2 Site Assessment Team (SAT) performed a reconnaissance of Coney Island Creek. Land use surrounding the eastern portion of the creek is mostly commercial and industrial. Most of the western portion of the creek is surrounded by multiple parks and residential areas. The reconnaissance confirmed that fishing for human consumption occurs in the western portion of the creek at the Kaiser Park fishing pier. **Appendix B** includes the logbook and photo documentation from the reconnaissance activities.

References for the information presented above are included in **Appendix C**.

Part 1 - Superfund Eligibility Evaluation

If all answers are "no" go on to Part 2, otherwise proceed to Part 3.	**YES**	**NO**
1. Is the site currently in CERCLIS or an "alias" of another site?	☒	☐
2. Is the site being addressed by some other remedial program (Federal, State, or Tribal)?	☐	☒
3. Are the hazardous substances potentially released at the site regulated under a statutory exclusion (e.g., petroleum, natural gas, natural gas liquids, synthetic gas usable for fuel, normal application of fertilizer, release located in a workplace, naturally occurring, or regulated by the NRC, UMTRCA, or OSHA)?	☐	☒
4. Are the hazardous substances potentially released at the site excluded by policy considerations (i.e., deferred to RCRA corrective action)?	☐	☒
5. Is there sufficient documentation to demonstrate that no potential for a release that could cause adverse environmental or human health impacts exists (e.g., comprehensive remedial investigation equivalent data showing no release above ARARs, completed removal action, documentation showing that no hazardous substance releases have occurred, or an EPA approved risk assessment completed)?	☐	☒

Please explain all "yes" answer(s).

The EPA ID No. is NYN000203538; the site is not currently on the National Priorities List (NPL).

Part 2 - Initial Site Evaluation

For Part 2, if information is not available to make a "yes" or "no" response, further investigation may be needed. In these cases, determine whether an APA is appropriate. Exhibit 1 parallels the questions in Part 2. Use Exhibit 1 to make decisions in Part 3.

If the answer is "no" to any of questions 1, 2, or 3, proceed directly to Part 3.	**YES**	**NO**
1. Does the site have a release or a potential to release?	☒	☐
2. Does the site have uncontained sources containing CERCLA-eligible substances?	☒	☐
3. Does the site have documented on-site, adjacent, or nearby targets?	☒	☐

If the answers to questions 1, 2, and 3 above were all "yes" then answer the questions below before proceeding to Part 3.	**YES**	**NO**
4. Does documentation indicate that a target (e.g., drinking water wells, drinking surface water intakes, etc.) has been exposed to a hazardous substance released from the site?	☒	☐
5. Is there an apparent release at the site with no documentation of exposed targets, but there are targets on site or immediately adjacent to the site?	☐	☒
6. Is there an apparent release and no documented on-site targets or targets immediately adjacent to the site, but there are nearby targets (e.g., targets within 1 mile)?	☐	☒
7. Is there no indication of a hazardous substance release, and there are uncontained sources containing CERCLA hazardous substances, but there is a potential to release with targets present on site or in proximity to the site?	☐	☒

EXHIBIT 1
SITE ASSESSMENT DECISION GUIDELINES FOR A SITE

Exhibit 1 identifies different types of site information and provides some possible recommendations for further site assessment activities based on that information. You will use Exhibit 1 in determining the need for further action at the site, based on the answers to the questions in Part 2. Please use your professional judgment when evaluating a site. Your judgment may be different from the general recommendations for a site given below.

Suspected/Documented Site Conditions		APA	Full PA	PA/SI	SI
1. There are no releases or potential to release.		Yes	No	No	No
2. No uncontained sources with CERCLA-eligible substances are present on site.		Yes	No	No	No
3. There are no on-site, adjacent, or nearby targets.		Yes	No	No	No
4. There is documentation indicating that a target (e.g., drinking water wells, drinking surface water intakes, etc.) has been exposed to a hazardous substance released from the site.	Option 1: APA →SI	Yes	No	No	Yes
	Option 2: N/A	N/A	N/A	N/A	N/A
5. There is an apparent release at the site with no documentation of exposed targets, but there are targets on site or immediately adjacent to the site.	Option 1: APA →SI	Yes	No	No	Yes
	Option 2: N/A	N/A	N/A	N/A	N/A
6. There is an apparent release and no documented on-site targets and no documented targets immediately adjacent to the site, but there are nearby targets. Nearby targets are those targets that are located within 1 mile of the site and have a relatively high likelihood of exposure to a hazardous substance migration from the site.		No	No	No	Yes
7. There is no indication of a hazardous substance release, and there are uncontained sources containing CERCLA hazardous substances, but there is a potential to release with targets present on site or in proximity to the site.		No	No	No	Yes

Part 3 - EPA Site Assessment Decision

[redacted]

Check the box that applies based on the conclusions of the APA:

☐ [redacted]
☒ [redacted]
☐ [redacted]
☐ [redacted]
☐ [redacted]

☐ [redacted]
☐ [redacted]
☐ [redacted]
☐ [redacted]

Regional EPA Reviewer: James Desir *James Desir* 9/29/2020
Print Name/Signature Date

PLEASE EXPLAIN THE RATIONALE FOR YOUR DECISION: [redacted]

[redacted]

APPENDIX A
FIGURES



LEGEND:

Site Reference Point Lat: 40.580089 Long: -73.979030

Site Area

TITLE:

SITE LOCATION MAP
CONEY ISLAND CREEK
BROOKLYN, KINGS COUNTY, NY

PROJECT: TDD# 0004/2003-04

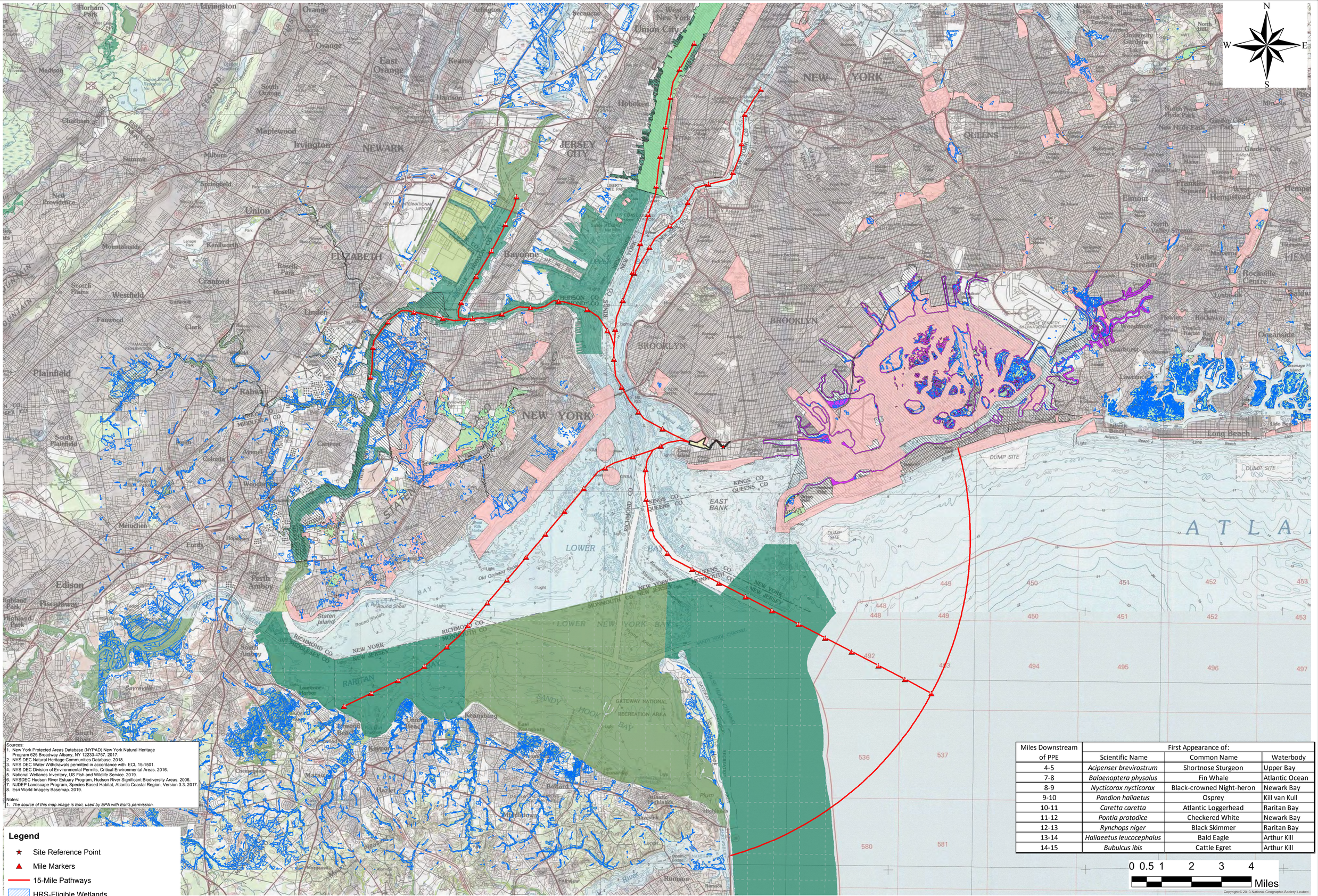
CLIENT NAME: EPA

WESTON SOLUTIONS

DATE: April 2020

FIGURE #: 1

Path: P:\SAT2\ConeyIslandCreek\MXD\25379_ConeyIslCreek0802_Site_Location.mxd


N
W
E
S
NEW YORK
NEWARK
JERSEY CITY
ELIZABETH
Bayonne
BROOKLYN
QUEENS
Union City
Hoboken
Irvington
Union
Orange
East Orange
Harrison
Kearny
Secaucus
Elmont
Valley Stream
Long Beach
Lawrence
Hempstead
Rockville Centre
Plainfield
Westfield
Cranford
Linden
Rahway
Perth Amboy
Edison
Staten Island
Sayreville
Keansburg
Atlantic Highlands
Rumson
Red Bank
Matawan
Middletown
LOWER NEW YORK BAY
SANDY HOOK BAY
GATEWAY NATIONAL RECREATION AREA
EAST BANK
LOWER BAY
ATLANTIC OCEAN
DUMP SITE
DUMP SITE
KINGS CO
QUEENS CO
RICHMOND CO
MONMOUTH CO
NEW YORK
NEW JERSEY
HUDSON CO
ESSEX CO
UNION CO
MIDDLESEX CO
RARITAN
Newark International Airport
John F. Kennedy International Airport
LaGuardia Airport
Liberty State Park
Statue of Liberty National Monument
Ellis Island
Governors Island
Floyd Bennett Field
Jacob Riis Park
Jamaica Bay Wildlife Refuge
Great Kills Harbor
Great Kills Park
Great Kills
Great Neck Plaza
North Hills
Garden City
New Hyde Park
Franklin Square
Elmont
Valley Stream
Rockville Centre
Lynbrook
Hewlett
East Rockaway
Woodmere
Oceanside
Island Park
Lido Beach
Long Beach
Atlantic Beach
Lawrence
Inwood
Far Rockaway
Arverne
Rockaway Beach
Rockaway Park
Belle Harbor
Neponsit
Roxbury
Succasunna
Kenvil
Chester
Mendham
Morristown
Whippany
Parsippany
Troy Hills
Florham Park
Madison
Chatham
Summit
New Providence
Springfield
Millburn
Maplewood
South Orange
Mountainside
Kenilworth
Roselle Park
Roselle
Scotch Plains
Fanwood
Clark
Garwood
Cranford
Linden
Roselle
Elizabeth
Union
Irvington
Orange
West Orange
Arlington
Secaucus
Weehawken
Union City
West New York
Hoboken
Jersey City
Harrison
Kearny
East Orange
South Orange
Maplewood
Irvington
Union
Newark
Bayonne
Elizabeth
Linden
Rahway
Carteret
Woodbridge
Colonia
Metuchen
Edison
Fords
Perth Amboy
South Amboy
Sayreville
Old Bridge
Piscataway
Highland Park
Staten Island
Arthur Kill
Kill van Kull
Newark Bay
Raritan Bay
Sandy Hook
Atlantic Highlands
Highlands
Sea Bright
Rumson
Fair Haven
Red Bank
Shrewsbury
Oceanport
Monmouth Beach
Long Branch
Deal
Allenhurst
Asbury Park
Ocean Grove
Bradley Beach
Avon-by-the-Sea
Belmar
Spring Lake
Sea Girt
Manasquan
Point Pleasant
Point Pleasant Beach
Bay Head
Mantoloking
Brick
Lakewood
Toms River
Seaside Park
Seaside Heights
Island Beach State Park
Barnegat Light
Barnegat
Waretown
Forked River
Lacey
Ocean Gate
Pine Beach
Bayville
Berkeley
Lavallette
Normandy Beach
Ortley Beach
Toms River
Silverton
Ocean Heights
Beachwood
Pine Beach
Manahawkin
Stafford
Little Egg Harbor
Tuckerton
Beach Haven
Long Beach Island
Ship Bottom
Surf City
Harvey Cedars
Loveladies
Barnegat Light
Brant Beach
Holgate
Beach Haven Crest
Beach Haven West
Tuckerton
Little Egg Harbor
Stafford
Manahawkin

APPENDIX B
LOGBOOK AND PHOTO DOCUMENTATION

CONEY ISLAND CREEK
NYN000203536
Site Logbook



Rite in the Rain®
ALL-WEATHER
FIELD
№ 351FX

DCN: WO402.3B.02332

2 9-3-20

Coney Island Creek (CIC)

1010 - Scott Snyder and Caroline Tuerc conduct off-site recon of Coney Island Creek and the four upland sites identified as possible sources of contamination.

- Deer by Dene
- Coney Island Electroplating Works.
- T.J Auto Salvage
- Creepsey Scrap Iron & Metal

- T.J and Creepsey Scrap are located directly on the creek.
- Most of the eastern portion of the creek is inaccessible for sampling due to bulkheading, dense vegetation, steep slopes, and urban development. Park/ recreational areas on the western end of the creek would allow for intermittent access to the shoreline.
- The eastern portion of the creek is narrow and surrounded by urban development. There is no discernible flow in this

9/9/20

CIC 9-3-20 3

part of the creek.

- The western portion of the creek widens at the Six Diamonds recreation area.
- Tidal currents in the creek along a sand bar that is part of the Coney Island Creek Park shoreline. Land use along the western portion of the creek is mostly residential and recreation areas.
- Ship wrecks and the remains of wooden barges are present in the western portion of the creek.
- At 1100 hours fishing for consumption was observed at the Kaiser Park fishing pier. Two residents stated that striped bass, bluefish, and flounder are routinely caught for consumption at this location. One resident was observed to be using a net in addition to a fishing pole.

1130 - Conclude recon.

9/9/20

Rite in the Rain

4

CTC 9-3-20

Photo Log

Photo 1: Creek from Stillwell Ave, looking W.

Photo 2: Residence W 15th / Hart Pl. looking N.

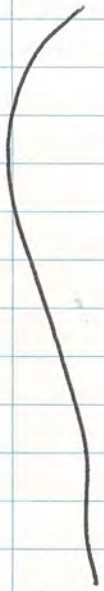
Photo 3: Creek from Cropsey Ave, looking W.

Photo 4: Creek from Kaiser Pk, looking NE.

Photo 5: Riprap Kaiser Pk.

Photo 6: Shipwrecks and barges

Photos 7, 8: Fishing Kaiser Pk.



9/3/20

CTC 9-3-20 5

Shell Rd

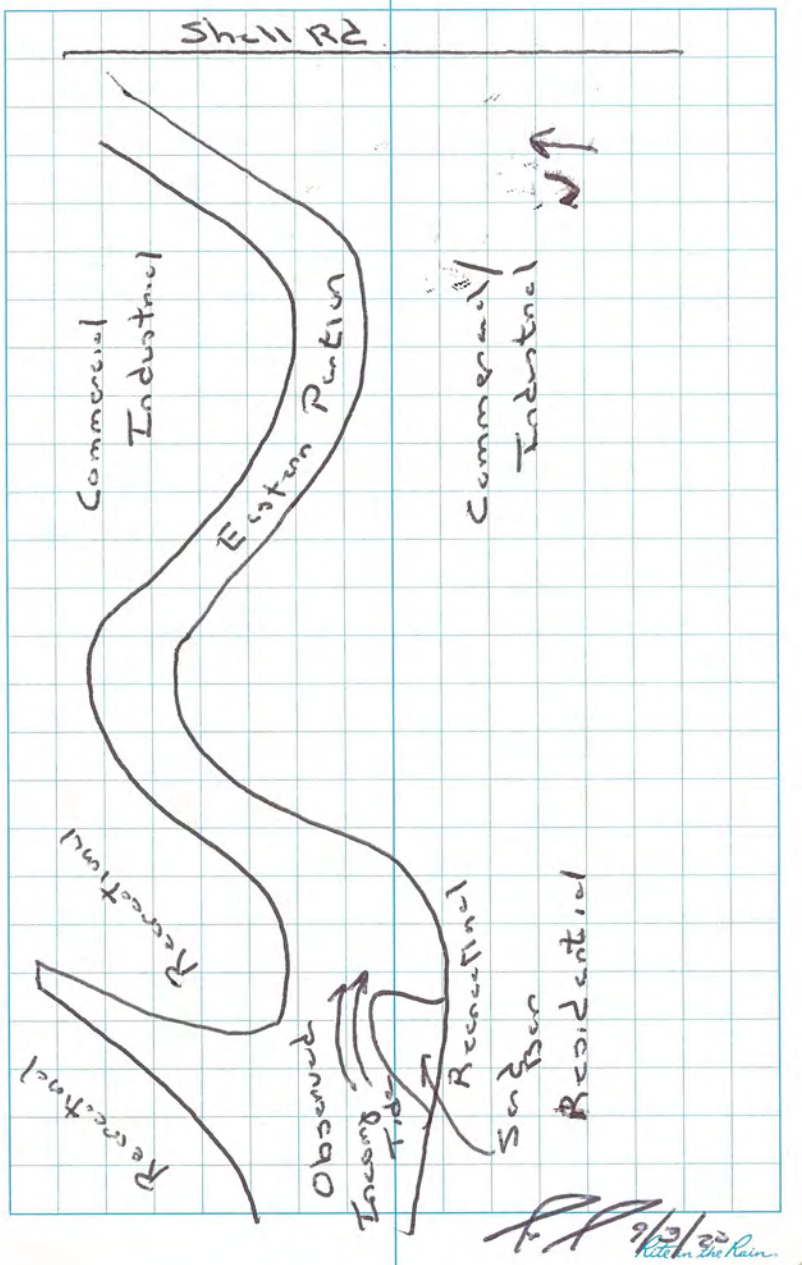

Commercial
Industrial
Eastern Portion
Commercial
Industrial
Residential
Residential
Residential

Photo Documentation
Coney Island Creek Off-site Reconnaissance
September 3, 2020



Photo No. 1: Coney Island Creek, looking west from Stillwell Avenue, near the T & J Auto Salvage site.



Photo No. 2: The only known permanent residence on Coney Island Creek at the intersection of Hart Place and West 15th Street, looking north.

Photo Documentation
Coney Island Creek Off-site Reconnaissance
September 3, 2020



Photo No. 3: Coney Island Creek looking west from Cropsey Avenue near the Cropsey Scrap Iron and Metal site.



Photo No. 4: Coney Island Creek looking northeast from Kaiser Park.

Photo Documentation
Coney Island Creek Off-site Reconnaissance
September 3, 2020



Photo No. 5: Riprap along shoreline at Kaiser Park.



Photo No. 6: Shipwrecks and the remains of wooden barges are present in the western portion of the creek.

Photo Documentation
Coney Island Creek Off-site Reconnaissance
September 3, 2020





Photo Nos. 7 and 8: Multiple persons were observed to be fishing for consumption along the south side of Coney Island Creek at the Kaiser Park fishing pier. According to these residents, species of fish caught for consumption include blue fish, striped bass, and flounder. Resident at the far end of the pier was using both a fishing pole and a net.

APPENDIX C
REFERENCES

REFERENCES

1. Environmental Data Resources (EDR). EDR Summary Radius Map Report, Coney Island Creek, Kings County, Brooklyn, NY 11224, Inquiry Number: 6024747.2s. March 27, 2020. [608 pages]

2. EDR. Certified Sanborn® Map Report, Coney Island Creek Site, Brooklyn, NY 11214, Inquiry Number: 6031501.1 (as modified by Weston Solutions, Inc. [WESTON®] to indicate the location of historical industries). April 7, 2020. [36 pages]

3. Strehlau-Howay, Lindsey, et al., Pace University. The NYC Social Assessment: Understanding Waterfront Users, Coney Island Creek Waterfront Profile. 2019. [48 pages]

4. Hammerman, Craig. Letter to Andrew Wheeler, Administrator, EPA. March 3, 2020. [3 pages]

5. New York City Economic Development Corporation (NYCEDC). 2018/2019 NYC Ferry Expansion Feasibility Study. January 11, 2018. [182 pages]

6. New York City Department of Environmental Protection (NYCDEP). Combined Sewer Overflow Long Term Control Plan for Coney Island Creek (Capital Project No. WP-169, Long Term Control Plan II). June 2016. [245 pages]

7. Paulus, Sokolowski & Sartor Engineering, PC. Final Engineering Report for Operable Units No. 1, No. 2, and No. 3, Former Brooklyn Borough Gas Works Site, Brooklyn, NY, Site Number 2-24-026 (excerpts). April 2013. [73 pages]

8. Tuero, Caroline, WESTON. Project Note to Coney Island Creek Site File, Subject: Coney Island Creek Analytical Data; with attachments. September 24, 2020. [29 pages]

FINAL
PRE-CERCLA SCREENING/SITE DISCOVERY SUMMARY OF FINDINGS
CONEY ISLAND CREEK
BROOKLYN, NEW YORK

Prepared by:

Weston Solutions, Inc.
Edison, New Jersey

Prepared for:

U.S. ENVIRONMENTAL PROTECTION AGENCY

EPA Contract No.: EP-S8-13-01
TDD No.: 0004/2003-04
Document Control No.: W0802.1A.02293

August 2020

SUBMITTED BY:



Scott T. Snyder, CHMM
Senior Scientist

Date 8/12/2020



Gerald V. Gilliland, P.G.
Principal Project Scientist

Date 8/12/2020

Summary of Findings

Site Name: Coney Island Creek
Region: 2
Location: Brooklyn, NY
EPA Site Assessment Manager: James Desir
WESTON Personnel: Scott T. Snyder, CHMM
Date: August 2020

Introduction

Under the Authority of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) and the Superfund Amendments and Reauthorization Act of 1986 (SARA), the U.S. Environmental Protection Agency (EPA) Region 2 has tasked Weston Solutions, Inc. (WESTON®) with providing Pre-CERCLA Screening (PCS) and Site Discovery support in the vicinity of Coney Island Creek, and with preparing PCS Checklist/Decision Forms for Coney Island Creek and possible abandoned or uncontrolled hazardous waste sites within the creek's watershed. The objective of this effort is to evaluate Coney Island Creek and other possible uncontrolled hazardous waste sites for placement into the Superfund Enterprise Management System (SEMS).

In January 2018, the New York City Economic Development Corporation published the 2018/2019 NYC Ferry Expansion Feasibility Study. The study proposed Coney Island Creek as one of several possible sites for expanded ferry service to provide a faster transit alternative to Manhattan (in this case, for residents of the relatively isolated western portion of the Coney Island peninsula). The proposed ferry dock would be located in the western portion of the creek. The Coney Island Creek site was discovered via Petition for Preliminary Assessment (PA) submitted to EPA Region 2 on March 3, 2020. Among the reasons for requesting the PA, the petitioner cited contaminants in the waterway from surrounding historical industrial land use, previous and future impacts to the surrounding community from storm surges, the suspension of a U.S. Army Corps of Engineers (USACE) harborwide coastal storm risk management feasibility study, and proposed dredging (for ferry service into the creek) without a full understanding of the risks posed by suspected contamination within the creek.

Study Area Location

The Coney Island Creek study area is located in the Coney Island and Gravesend areas of Brooklyn (Kings County), New York. Coney Island Creek is a tidal inlet that separates the western end of the Coney Island peninsula from the Brooklyn mainland. A Study Area Map is presented as **Figure 1**.

Study Area Description

The 3,470-acre Coney Island Creek watershed drainage area is highly urbanized. The shoreline and drainage area surrounding Coney Island Creek have a long history of industrial activity dating back to at least the late 1800s. Former and current industrial activities that have been identified as possible sources of the contamination either directly on the creek bank or within the creek's watershed include, but are not limited to: asphalt manufacturing, automobile salvage, coal storage, electroplating, fluorescent light fixture manufacturing, landfilling, manufactured gas plant (MGP) operations, scrap metal reclamation, steel products manufacturing, and sewage treatment. Combined and separated sewers have replaced natural freshwater streams throughout the area, such that the only sources of freshwater to Coney Island Creek are combined sewer overflows (CSO) and stormwater discharges. Due to these conditions, suspected sediment contamination within the creek has not been definitively attributed to any single source.

Coney Island Creek Description

Coney Island Creek has undergone significant alterations from its original, natural state. Prior to development, the creek was a small waterway that ran from Gravesend Bay to what is now Cropsey Avenue. The creek was later extended eastward, completely separating Coney Island from Brooklyn's mainland, reaching from Gravesend Bay in the west to an inlet from Sheepshead Bay in the east. During the 1920s and 1930s, the eastern half of the creek was filled for highway and other development projects with unspecified landfill material. In 1962, additional portions of the inlet from Sheepshead Bay were filled with soil that had been excavated during construction of the Verrazzano-Narrows Bridge. As a result, Coney Island returned to being a peninsula. The creek now extends approximately 1.8 miles from a culvert at Shell Road on the eastern end to Gravesend Bay on the western end. The width of the creek varies from 60 to 250 feet, although it opens up to 700 feet at the western end at Gravesend Bay. The depth of the creek at mean low water varies from 1 foot in the narrow eastern end to 15 feet in the wider central portion.

The majority of the creek has been channelized with bulkheading and riprap. The lower (western) portion of the creek is lined with obstructions, including shipwrecks, old barges, pilings, and construction debris. Abandoned cars and boats, pilings, and other urban refuse are present in the upper (eastern) portion of the creek. Increases in urbanization and impermeable surfaces have increased stormwater runoff to the creek and significantly reduced or eliminated tidal marshes or other buffer zones that could absorb the extra load. According to the New York City Department of Environmental Protection (NYCDEP), Coney Island Creek receives 290 million gallons of discharges per year through permitted CSO outfalls and more than a million gallons of stormwater runoff per year.

Despite the impaired nature of the creek, it is utilized for a variety of recreational activities, including boating and birding. Four city parks are located adjacent to the western portion of the creek near the mouth at Gravesend Bay, with a combined 1.1 miles of shoreline of varying accessibility. Although not an officially sanctioned use of the creek, primary contact in the form of swimming and baptisms have been reported along the sandy southwestern shoreline of the creek near Gravesend Bay. Although the presence of chemical and biological contamination in the creek is well known, Coney Island Creek is fished for human consumption. Species of fish caught for

consumption include mullet, porgy, striped bass, fluke, and bluefish. There is one permanent residence situated directly on the creek shoreline, as well as multiple encampments populated by homeless people. Coney Island Creek is situated within the core area of the New York-New Jersey Harbor Estuary. Sensitive environments subject to potential contamination along the 15-mile surface water pathway include habitat known to be used by four Federal-designated and 16 State-designated threatened or endangered species, approximately 62 miles of wetland frontage, and the Gateway National Recreation Area.

Historical Analytical Data

Environmental characterization of Coney Island Creek was conducted as part of a remedial investigation (RI) at the Former Brooklyn Borough Gas Works MGP site next to the eastern portion of the creek. Surface water and sediment samples were collected from the eastern portion of the creek. The analytical results indicated that creek sediments were contaminated with polycyclic aromatic hydrocarbons (PAHs) and BTEX compounds (i.e., benzene, toluene, ethylbenzene, and xylene) that are attributable to the former MGP; inorganic constituents, such as arsenic and lead, were detected in sediment collected near the CSO and stormwater outfalls. A non-aqueous phase liquid (NAPL) in the form of a dense oily liquid was observed to be seeping into the creek from the site's subsurface near the former gas holders and saturating creek sediment; in some areas, the NAPL existed as scattered discontinuous globules. The NAPL was a significant source of PAHs and BTEX compounds to creek sediments. Surface water samples also showed the presence of BTEX compounds near stormwater outfalls.

Contamination at the Former Brooklyn Borough Gas Works site (State ID No. 2-24-026) and the adjacent segment of Coney Island Creek were addressed by NYSDEC under an on-going MGP site investigation and remediation program, which consists of investigation, evaluation, cleanup, and long-term monitoring. Records of Decision (ROD) detailing selected remedies for the site and the adjacent creek sediments were published by NYSDEC in March 2001 and March 2002, respectively, and remedial measures commenced in 2003. After remediation of the upland site operable units (OU1 and OU3), remedial measures were implemented in the Coney Island Creek operable unit (OU2) beginning in March 2007, which included excavation of coal-tar-contaminated materials from the entire width of the creek, extending from the culverts at Shell Road (i.e., the eastern end of the creek) to the Metropolitan Transit Authority (MTA) bridge 0.4 mile downstream; and the removal of the top 3 feet of contaminated sediment and replacement with clean materials consisting of gravel, sand, and organic material on top of a geotextile fabric that acts as a demarcation layer. A total of 97,541 tons of contaminated sediment were removed from the creek for off-site disposal. The remediated creek segment (i.e., OU2) was delineated based on the extent of NAPL and coal tar observed in creek sediments, and on the rationale that PAHs beyond the MTA bridge could be attributed to other sources along the creek. As MGP contaminants were detected at the maximum sampling depth of 10 feet below the sediment surface, contaminated sediment is known to remain in place below the 3-foot cap. Other remedial measures included installation of perimeter barrier walls, NAPL collection, groundwater collection and treatment prior to discharge to the creek, and restoration of the creek bank. The site is listed twice in the SEMS-Archive site inventory, as Bklyn Union Gas /Coney Island Gate Sta (EPA ID No. NYD980532196) and as Bklyn Union Gas /Coney Island Works (NYD980532022).

In October 2012, EPA collected sediment samples from eight locations within Coney Island Creek from 0 to 15 centimeters (cm), or 5.9 inches below the sediment surface. The sediment samples were collected to provide reference data for the Newtown Creek Superfund Site (EPA ID No. NYN000206282) Remedial Investigation/Feasibility Study (RI/FS). One sample was collected from the eastern portion of the creek adjacent to the former Brooklyn Borough Gas Works MGP site. The remaining seven samples were collected from the central portion of the creek extending from east of Cropsey Avenue to near the Six Diamonds recreation area. Sample results show the presence of PAHs and metals in creek sediments at all sample locations; VOCs and pesticides were also detected.

Site Discovery Possible Source Identification

WESTON conducted a review of historical Sanborn® Fire Insurance Maps, which are available for areas along portions of the creek for the years 1906, 1930, and 1950. A review of the Sanborn maps indicates that, as of 1906, the types of industries located along the creek's banks included oil storage, brick and cement storage, and a sewage disposal plant. By 1930 industrialization of the creek's bank had expanded to include asphalt manufacturing, coal storage, MGP operations, and motorboat manufacturing. Sanborn maps from the year 1950 show the presence of New York City Departments of Sanitation and Public Works garages, additional coal storage facilities, and manufacturing facilities for steel products, fluorescent light fixtures, and wood products. An electroplating facility, for which operations date back to the early- to mid-1940s, was located along Stillwell Avenue approximately 260 feet west-southwest of Coney Island Creek.

WESTON conducted a search of Federal and State environmental records databases for an area encompassing a 2-mile radius around a reference point located near the eastern end of Coney Island Creek. A list of the Federal and State databases that were searched is included in **Appendix A**. A total of 1,578 sites with one or more database records were reviewed, for a total of 1,631 records evaluated.

After review and evaluation of the database records, 1,594 of the records were deemed ineligible for PCS evaluation under CERCLA. Records pertaining to releases or possible releases of petroleum products such as gasoline, diesel, and fuel oil from leaking underground storage tanks (USTs), leading to soil and groundwater contamination and remediation of properties, are the most common (567 records). According to Sections 101(14) and 104(a)(2) of CERCLA, commonly known as Superfund, enacted by Congress on December 11, 1980, and amended by SARA on October 17, 1986, petroleum and petroleum-based products are not considered CERCLA hazardous substances and, therefore, are excluded for consideration in CERCLA response actions (Petroleum Exclusion). There are 433 spill reports for de minimis quantities of CERCLA-eligible hazardous substances (e.g., antifreeze, PCB-contaminated transformer oil, or chlorinated solvents). There are 272 records associated with Resource Conservation Recovery Act (RCRA) generators or non-generators. The listing of these facilities in the RCRA database does not indicate that they are abandoned or uncontrolled hazardous waste sites, just that they are facilities that generate, manage, or store hazardous substances or wastes that are regulated by Federal and State programs.

Reasons for determining records are ineligible for consideration under CERCLA, as well as the current scope of work, are as follows:

- Records associated with sources or releases subject to Petroleum Exclusion provisions, such as releases of fuel oil or gasoline from leaking USTs (567 records);
- Records associated with spills of de minimis quantities, (for example, 1 gallon of PCB-contaminated transformer oil released to a manhole, or a broken radiator hose which resulted in the spill of 1 gallon of antifreeze) (433 records);
- Records associated with facilities regulated under RCRA that are not recorded as being associated with uncontrolled releases (272 records);
- Records that do not identify a release, such as tank test failure records (211 records);
- Records associated with the release of non-CERCLA eligible substances, such as cooking oil or raw sewage (58 records);
- Records associated with unknown sources, such as discharges from storm sewers to water bodies or odors emanating from unknown sources (43 records);
- Records associated with spills or releases beyond the study area, which are mapped incorrectly in the NY Spills database (6 records);
- Records associated with the release of naturally occurring or nonhazardous substances, such as hydrogen sulfide from the degradation of organic matter, or soap that was mistaken for oil (2 records);
- Records associated with sources that have been removed (2 records).

A summary of the sites and records ineligible for PCS evaluation under CERCLA is presented in **Appendix B, Table 1**.

The database search identified 13 records related to four facilities with the potential to have released hazardous substances into the environment, specifically Coney Island Creek, but which are not being addressed under other Federal or State regulatory programs. The identification of these possible sources of contamination is due to their proximity to Coney Island Creek, regulatory history, known and unknown housekeeping practices, the nature of the hazardous substances that may be associated with the operations at these facilities, and the possible discharge of wastes to Coney Island Creek indirectly via municipal sewer system or CSO discharges. In addition, the evaluation identified 15 records related to 11 sites that may be CERCLA-eligible but are being addressed under other Federal or State regulatory programs.

Utilizing the framework for PCS evaluations outlined in EPA's "Pre-CERCLA Screening Guidance" (Office of Land and Emergency Management [OLEM] Directive 9200.3-107) dated December 2016, assessments were conducted for the facilities identified during the site discovery efforts. WESTON completed PCS Checklist/Decision Forms for each of the CERCLA-eligible sites identified, which are presented in **Appendix C**.

There are nine records related to the Former Brooklyn Borough Gas Works site described above (see **Historical Analytical Data**). The site is listed under several Federal and State programs (the listings include multiple site names). Addresses for the site in the database records include 873 Neptune Avenue (also listed as "Neptune Avenue and Shell Road") on the southern bank of Coney Island Creek and 2731 West 12th Street on the northern bank of Coney Island Creek. The Neptune

Avenue portion of the facility was used for offices, distribution, and metering. The West 12th Street portion of the facility was used for gas production and was the subject of the remediation discussed above. Summaries of the records pertaining to the site are presented in **Appendix B, Table 1**.

Summaries of the four facilities that are not being addressed under other Federal or State regulatory programs and are therefore recommended for entry into the Superfund Active site inventory are presented below:

- **Coney Island Electroplating Works, 2702 Stillwell Avenue, Brooklyn, NY**
  Latitude/Longitude: +40.581038°/ -73.982541°
  Site Description: There is currently minimal information regarding the operational time frame for the former Coney Island Electroplating Works (CIEW) facility. A Sanborn Fire Insurance Map from 1930 indicates that the property was occupied by a laundry. A picture and a brief statement in a magazine article indicates that CIEW filled unspecified defense orders during World War II, suggesting electroplating operations were active in the early- to mid-1940s. A Sanborn Fire Insurance Map from 1950 shows the electroplating facility occupying the site. CIEW is listed in EPA's RCRAInfo database under Handler ID No. NYD001493857. The facility was designated as a Large Quantity Generator (LQG) in December 1980. The latest RCRAInfo update for the facility was April 2015. The types of wastes generated at the facility included spent cyanide plating bath solutions and residues (RCRA Waste Codes: F007, F008, and F009). As of 2006, the facility was listed as a non-generator. The facility was located approximately 260 feet west-southwest of Coney Island Creek. The site is currently occupied by a plumbing supply store.

- **Cropsey Scrap Iron & Metal Corp., 2994 Cropsey Avenue, Brooklyn, NY**
  Latitude/Longitude: +40.581860°/ -73.986556°
  Site Description: Cropsey Scrap Iron & Metal Corp (a.k.a. Cropsey Scrap Metal) is an active ferrous and non-ferrous scrap metal recycler. The facility is located directly on the north bank of Coney Island Creek adjacent to the Cropsey Avenue Bridge. The facility discharges stormwater to Coney Island Creek via an external outfall under a National Pollutant Discharge Elimination System (NPDES) permit (Permit No. NYR00F326), which expires in February 2023. EPA's Environmental Compliance History Online (ECHO) database notes permit violations for failing to file Discharge Monitoring Reports (DMR) in 2017 and 2018; DMRs were submitted in January and June 2019. Cropsey Scrap Metal maintains an Air Facility Registration Certificate (Facility ID No. 2-6106-00334) for a diesel generator supplying power to metal recycling equipment.

  Based on review of aerial imagery, the facility maintains a large scrap metal pile approximately 25 feet high, as well as numerous containers and miscellaneous scrap directly on the ground surface without secondary containment or run-on/runoff control measures. Staining of the ground surface is evident on the northern portion of the facility. The facility is surrounded by fencing on all sides, and by vegetated strips of land that separate the facility from Coney Island Creek. Based on the aerial imagery, the runoff pattern from the facility to Coney Island Creek is not discernible as the ground surface along the creek bank is obscured by the vegetated areas.

- **Décor by Dene, 2569 Shell Road, Brooklyn, NY**
  Latitude/Longitude: +40.589256° / -73.973631°
  Site Description: Décor by Dene (Dene) is a former residential electric lighting fixture manufacturer. Based on a review of environmental databases and secondhand internet sources, Dene operated at the site from approximately 1960 to 2010. The site is currently occupied by ATS Lighting, a lighting fixture retailer. A review of on-line databases suggests that no manufacturing is currently being conducted at the site and it is currently used for retail only. Dene's manufacturing process involved electroplating of metal surfaces. Dene was a generator of hazardous waste (Handler ID No. NYR000022087). RCRA designations varied over time, from Conditionally Exempt Small Quantity Generator (CESQG) originally to LQG in 1997, 1998, and 2003. A Biennial Report for 1997 indicated that Dene generated 6.15 tons of RCRA hazardous waste. Waste types generated at the facility included corrosive wastes (D002), reactive waste (D003), spent nonhalogenated solvents (F003), wastewater treatment sludge from electroplating operations (F006), and spent cyanide plating bath solutions and residues (F007 and F008). The facility was located approximately 2,476 feet (0.47 mile) north-northeast of Coney Island Creek, and within the creek's watershed. Inorganic constituents, which are typical contaminants in releases from electroplating operations, are known to be contaminants of concern in creek sediments. Combined and separated municipal sewers in the area are known to discharge to Coney Island Creek and are possible migration pathways from the former Dene facility.

- **T & J Auto Salvage, 2647 Stilwell Avenue, Brooklyn, NY**
  Latitude/Longitude: +40.582719°/ -73.981736°
  Site Description: T & J Auto Salvage (T & J) is a supplier of used auto parts that has operated on the north bank of Coney Island Creek since 1980. The facility discharges stormwater to Coney Island Creek under a NPDES permit (Permit No. NYR00D555), which expires in February 2023. EPA's ECHO on-line database notes the facility was cited for violations of its NPDES permit for late submittal or failure to submit DMRs in 2017, 2018, and 2019. Based on review of aerial imagery, the facility is comprised of an office consisting of conjoined Conex boxes, various garages, and open air sheds. Junker automobiles are stored in the northern portion of the property. The southern portion of the property appears to be used for the storage of concrete mixing trucks and large diameter concrete piping. The facility appears to be paved with concrete. Junker automobiles are stored on the concrete without secondary containment or run-on/runoff control measures. Moderate to severe staining is evident near the facility's scale and garage area in the center of the property. An overland path to surface water cannot be discerned as a strip of trees and shrubs lines the bank of the creek, obscuring a view of the ground surface.

  NYSDEC has inspected the facility on several occasions. Observations indicated that there have been multiple discharges of automotive waste fluids identified throughout the property and an impact to Coney Island Creek is suspected. The facility has been the subject of a joint investigation by the New York Police Department (NYPD) and NYSDEC's Division of Law Enforcement (DLE). In August 2003, during execution of a search warrant, NYSDEC noted spills and free product on standing water. In October

2004, T & J performed a subsurface investigation at the site under NYSDEC oversight. Nineteen soil samples were collected from 17 direct-push boreholes advanced to 10 feet below ground surface. One groundwater sample was collected from each of two boreholes. The subsurface beneath the site was characterized by construction debris and ash. According to T & J's contractor's report, with the exception of one soil sample collected near where fluids are drained from engines, no contamination was detected in soil or groundwater. Xylene (23,000 parts per billion [ppb]) and ethylbenzene (3,120 ppb) were detected in soil at the one location at a depth of 0 to 1 foot beneath an 8-inch-thick concrete slab. However, NYSDEC noted several deficiencies with T & J's contractor's sampling procedures, including a non-working photoionization detector (PID), samples not kept on ice in a cooler, cross-contamination of samples by sampler (field knife), and direct-push sleeves left cut open for long periods prior to sample collection. This environmental investigation did not evaluate the site's impact to Coney Island Creek.

A Possible Sources Map is presented as **Figure 2**.

On April 22, 2020, WESTON submitted Freedom of Information Law (FOIL) records requests to NYCDEP and NYSDEC for CIEW, Cropsey Scrap Metal, and T & J via each agency's on-line FOIL request system. NYCDEP acknowledged the requests on April 28, 2020 and indicated that, due to the ongoing public-health emergency (i.e., Covid-19), a response would take 90 to 120 days and would be forthcoming on or about October 20, 2020. NYSDEC acknowledged the records request on May 20, 2020 and indicated that a response would be forthcoming on or about July 3, 2020 for Cropsey Scrap Metal and T & J, and that there are no records available for CIEW. On July 3, 2020, NYSDEC indicated that the FOIL request process for Cropsey Scrap Metal and T &J would be completed by August 31, 2020.

On May 13, 2020, WESTON reached out to an NYCDEP Case Manager identified to EPA by the NYC Mayor's Office of Resiliency to inquire about files related to Coney Island Creek. The NYCDEP Case Manager responded that they had no additional information beyond what was already forwarded to EPA by the NYC Mayor's Office of Resiliency, which included the Record of Decision (ROD) for the Former Brooklyn Borough Gas Works MGP and NYCDEP's CSO Long Term Control (CSOLTC) Plan for Coney Island Creek. WESTON was already in possession of these documents and were reviewed as part of the Site Discovery Possible Source Identification effort.

After further review of Federal and State environmental records databases, WESTON submitted FOIL records requests to NYCDEP and NYSDEC for Dene on June 16, 2020. NYSDEC acknowledged the request on the same day and indicated that a response would be forthcoming on July 14, 2020; however, on June 24, 2020, NYSDEC communicated that there are no files available for Dene. Also, on June 24, 2020, NYCDEP acknowledged the request and indicated that a response would be forthcoming on or about December 16, 2020.

In conclusion, based on a review of available information provided by the database searches, four potentially abandoned or uncontrolled hazardous waste sites were identified in close proximity to Coney Island Creek. These facilities are evaluated as areas of concern where further action under CERCLA is recommended.

REFERENCES

1. U.S. Environmental Protection Agency (EPA), Office of Land and Emergency Management (OLEM). Pre-CERCLA Screening Guidance (OLEM Directive 9200.3-107). December 2016. [25 pages]

2. Hammerman, Craig. Letter to Andrew Wheeler, EPA. March 3, 2020 [3 pages]

3. New York City Economic Development Corporation (NYCEDC). 2018/2019 NYC Ferry Expansion Feasibility Study. January 11, 2018. [182 pages]

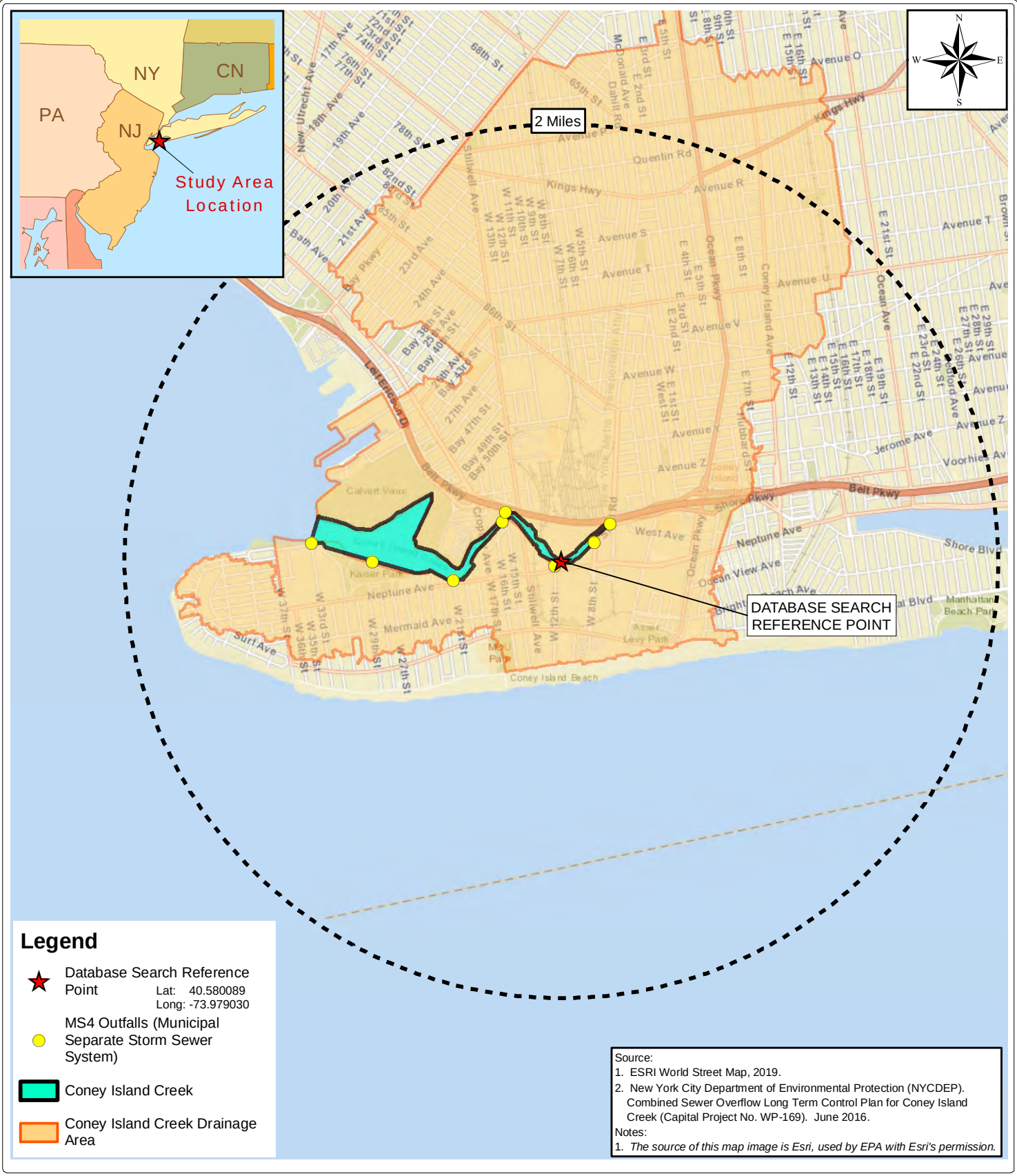
4. Environmental Data Resources, Inc. (EDR). The EDR Summary Radius Map Report, Coney Island Creek, Kings County, Brooklyn, NY 1224 (Inquiry Number: 6024747.2s). March 27, 2020. [608 pages]

5. EDR. Certified Sanborn® Map Report, Coney Island Creek Site, Brooklyn, NY 11214 (Inquiry Number: 306150.1) (as modified by Weston Solutions, Inc.). April 7, 2020. [36 pages]

6. New York City Department of Environmental Protection (NYCDEP). Combined Sewer Overflow Long Term Control Plan for Coney Island Creek (Capital Project No. WP-169). June 2016. [245 pages]

7. Lifrieri, Joseph J, Ph.D., P.E., P.G., Paulus Sokolowski & Sartor, Engineering, P.C. Final Engineering Report for Operable Units No. 1, No. 2, and No. 3, Former Brooklyn Borough Gas Works Site, Brooklyn, New York, Site Number 2-24-026 (excerpts). April 11, 2013. [73 pages]

FIGURES



SCALE:

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Graphic Scale In Feet

TITLE:

STUDY AREA MAP
CONEY ISLAND CREEK
BROOKLYN, KINGS COUNTY, NY

PROJECT: TDD# 0004/2003-04

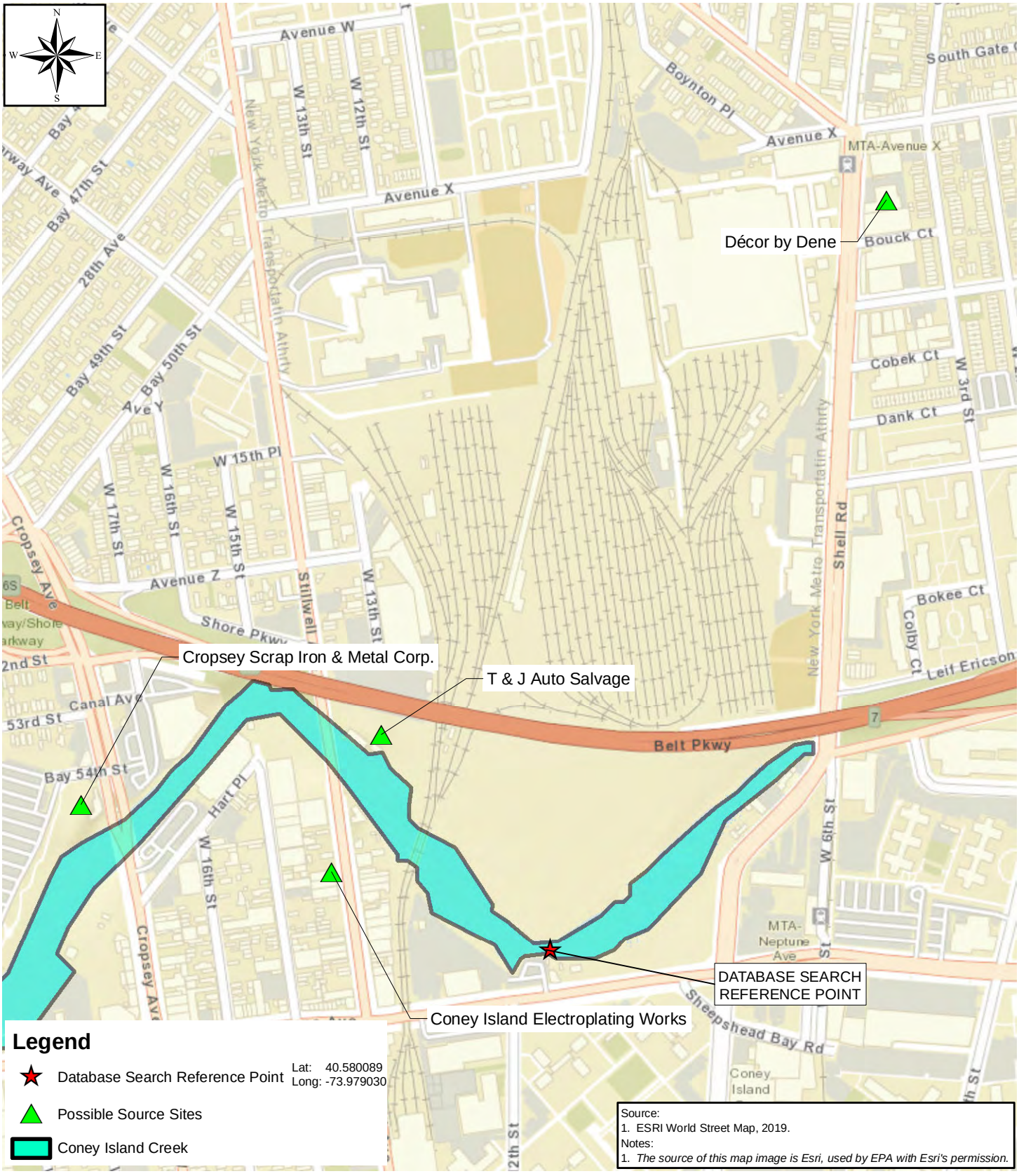
CLIENT NAME: EPA

WESTON SOLUTIONS

DATE: August 2020

FIGURE #: 1

Path: P:\SAT2\ConeyIslandCreek\MXD\25679_ConeyIslCreek0802_Study_Area.mxd



SCALE:

600 300 0 600

Graphic Scale In Feet

TITLE:

POSSIBLE SOURCES MAP
CONEY ISLAND CREEK
BROOKLYN, KINGS COUNTY, NY

PROJECT: TDD# 0004/2003-04

CLIENT NAME: EPA

WESTON SOLUTIONS

DATE: August 2020

FIGURE #: 2

Path: P:\SAT2\ConeyIslandCreek\MXD\25680_ConeyIslCreek0802_Possible_Sources.mxd

APPENDIX A

Database Acronym List

Federal Database Records

- National Priority List (NPL) for both existing and deleted facilities.
- Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS).
- No Further Remedial Action Planned (NFRAP).
- RCRA Corrective Action Report (CORRACTS). CORRACTS identifies RCRA facilities under corrective action activity.
- Emergency Response Notification System (ERNS).
- The Toxic Release Inventory System (TRIS). The TRIS sites are required to complete a Toxic Chemical Release Form (Form R) for specified chemicals.
- The Biennial Reporting System (BRS). The BRS is a system administered by EPA that collects data on the generation and management of hazardous wastes.
- The Superfund Consent Decrees (CONSENT). CONSENT are major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites including settlements.
- The Record of Decision (ROD). The ROD documents mandate a permanent remedy at an NPL site containing technical and health information to aid in the cleanup.
- The NPL Deletions (Delisted NPL). The NPL Deletions database identifies sites meeting the EPA's criteria to delete sites from the NPL, per the National Oil and Hazardous Substances Pollution Contingency Plan.
- The Facility Index System/Facility Registry System. (FINDS). The FINDS database contains both facility information and "pointers" to other sources that contain more detail.
- The Hazardous Materials Information Reporting System (HMIRS). The HMIRS database contains hazardous materials spill incidents reported to the DOT.
- The Material Licensing Tracking System (MLTS). MLTS is maintained by the NRC and contains a list of approximately 8,100 sites that possess or use radioactive materials, and which are subject to NRC licensing requirements.
- The Mines Master Index File (US MINES). MINES is maintained by the Department of Labor, Mine Safety and Health Administration to identify mining issues.

- Federal Superfund Liens (NPL Liens) database. The NPL Liens database lists those sites where the USEPA has filed liens against real property in order to recover remedial action expenditures.

- The PCB Activity Database System (PADS). PADS is maintained by EPA and identifies generators, transporters, commercial storers and /or brokers and disposers of PCB' s.

- The RCRA Administrative Action Tracking System (RAATS). The RAATS database contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA.

- The Toxic Substances Control Act (TSCA). The TSCA database identifies facilities that manufacture, or chemical substances included on the TSCA Chemical Substance Inventory list.

- The Indian Reservation database (INDIAN RESERV) identifies properties that are identified as Indian Administered Lands that are greater than 640 acres. Operations on these properties may be managed by tribal environmental regulations.

- The Department of Defense Sites database (DOD) identifies properties that are administered by the DOD that are greater than 640 acres. Operations on these properties may be managed by tribal environmental regulations.

- The Formerly Used Defense Sites database (FUDS) identifies the location of former defense properties where the U.S. Army Corps of Engineers is actively working or will be taking necessary cleanup actions.

- The Uranium Mill Tailing Sites database (UMTRA) identifies the location of former uranium ore mining operations.

- The FIFRA/TSCA Tracking System (FTTS). The FTTS database tracks administrative cases and pesticide enforcement actions related to the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), TSCA, and Emergency Planning and Right to Know (EPCRA) Act.

- The Section 7 Tracking Systems database (SSTS) identifies if sites within the District are registered pesticide producing establishments that are subject to report to EPA each year the amount and type of pesticides manufactured and sold each year.

- A Listing of Brownfields Sites (US BROWNFIELDS) is updated on a semi-annual basis and includes sites that are identified by EPA under a wide range of brownfield-related programs.

State of New York Standard Records

- The Inactive Hazardous Waste Disposal Sites in New York State (SHWS). The SHWS registry is the State's equivalent to CERCLIS.

- The Solid Waste Facilities/Landfill Sites (SWF/LF). SWF/LF database contains an inventory of solid waste disposal facilities or landfills in the state.

- The Leaking Storage Tank Incident Reports database (LTANKS) contains an inventory of reported leaking storage tanks (above or underground). The causes include tank test failures, tank failures, or tank overfills.

- The Petroleum Bulk Storage Database (UST). Identifies UST sites with capacities ranging from 1,100 gallons to 400,000 gallons.

- The Chemical Bulk Storage Database (CBS). Identifies facilities that store regulated hazardous substances in underground storage tanks of any size.

- The Major Oil Storage Facilities Database UST (MOSF). Identifies facilities that may be onshore facilities, or vessels, with petroleum storage capacities of 400,000 gallons or greater.

- The Hazardous Substance Waste Disposal Site Inventory (HSWDS) database. Identifies any known or suspected hazardous waste disposal sites. Also included are sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites and non-registry sites that USEPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared.

- The Petroleum Bulk Storage (AST) database identifies registered aboveground storage tanks located within the District.

- The Chemical Bulk Storage Database, AST (CBS AST) identifies facilities that store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground storage tanks of any size.

- The Major Oil Storage Facilities Database AST (MOSF AST) identifies AST facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

- The Spills Information Database (SPILLS) identifies data collected on spills that were reported to NYSDEC as required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

- The Registered Recycling Facility List (SWRCY) database.

- The Registered Waste Tire Storage Facility List (SWTIRE) database.

- The Delisted Registry Site (DEL SHWS) identifies sites where the NYSDEC has delisted from its registry inactive hazardous waste sites.

- The Registered Drycleaners List (DRYCLEANERS) identifies the location of dry cleaners registered with the NYSDEC.

- The State Pollutant Discharge Elimination System List (SPDES) identifies if sites that are monitored by the NYSDEC for the discharge if wastewater and storm water.

- The Brownfields Site List (BROWNFIELDS) identifies sites where private monies are being used to remediate contaminated sites to levels allowing for the sites' productive use. The program covers virtually any kind of site and contamination.

- E DESIGNATION: Lots designation with an E on the Zoning Maps of the City of New York provides notice of the presence of an environmental requirement pertaining to potential hazardous materials contamination, high ambient noise levels or air emission concerns on a particular tax lot.

- The Voluntary Cleanup Agreements (VCP) identifies sites where private monies are being used to remediate contaminated sites to levels allowing for the sites' productive use. The program covers virtually any kind of site and contamination.

APPENDIX B

Table 1: Records Ineligible for Consideration Under CERCLA

TABLE 1
RECORDS INELIGIBLE FOR CONSIDERATION UNDER CERCLA.

EDR Map ID	Site Name	Address	Databases	Comments	Reason Eliminated
A1	NEPTUNE DRY CLEANING & ALTER	1113 NEPTUNE AVE	EDR HIST CLEANER	Histroical dry cleaning activities at the location from 2004 through 2008; internet search reveals no longer a dry cleaner at address. No record of releases or environmental investigations.	Record does not identify a release
2	BROOKLYN BOROUGH GAS WORKS SITE	837 NEPTUNE AVE	SEMS-ARCHIVE RCRA-LQG NJ MANIFEST	Site remediated under New York State Department of Environmental Conservation's (NYSDEC) Manufactured Gas Plant (MGP) Site Investigation and Remediation Program.	Already in SEMS
A3	ALL STARS AUTO CARE INC.	1111 NEPTUNE AVENUE	NY AST	Wast oil/used oil above ground storage tank (AST); tank closed 02/12/2013.	Record does not identify a release
A4	ALL STARS AUTO CARE INC.	1111 NEPTUNE AVENUE	NY UST NY Spills	Multiple tanks; closed in 1991, 1993, and 2009; Contents: gasoline and waste oil/used oil; spills associated with tank closures.	Petroleum Exclusion
A5	AUTO GARAGE	1109 NEPTUNE AVE	NY Spills	Motor oil/petroleum; remarks: "citizens complained of dumping of waste motor oil which is ending up in the water way."	Petroleum Exclusion
A6	LUNAR SERVICE STATION INC	1111 NEPTUNE AVENUE	EDR HIST AUTO	EDR records report "gasoline service station" at this location from 1969 though 1993; no internet search result for address shows tire and rim repair business.	Record does not identify a release
A7	MTA NYCT-BRIGHTON LINE	DEKLAB AVE/FLATBUSH AVE TO NEPTUNE AVE/STILLWELL A	RCRA-SQG NY MANIFEST	Small Quantity Generator (SQG) of D008 Lead; no violations found.	RCRA-regulated facility
A8	MANHOLE #1543	WEST 12TH ST/NEPTUNE AVE	NY Spills	Approx 1/2 pint of unknown oil on seven gallons of water in manhole. One sample taken , 1 ppm polychlorinated biphenyl (PCB). Incident closed.	De minimus quantity
A9	IN ROAD WAY	WEST 12TH ST/SOUTH NEPTU	NY Spills	Spill closed; approx 1/2 pint of gasoline on asphalt.	Petroleum Exclusion
A10	CON EDISON MANHOLE: 01487	NEPTUNE AVE & W 12TH ST	RCRA NonGen / NLR NY MANIFEST	Does not presently generate haz waste; previoulsy Conditionally Exempt Small Quantity Generator (CESQG) of lead; no violations.	RCRA-regulated facility
A11	MCON EDISON -MANHOLE 1486	NEPTUNE AVE & W 12TH ST	NY MANIFEST	No further information provided.	RCRA-regulated facility
A12	CONSOLIDATED EDISON	W 12TH ST & NEPTUNE	NY MANIFEST	Year: 1996; Waste: B003 - petroleum oil with 500 ppm or > PCBs.	
A13	CON EDISON - MANHOLE 1489	NEPTUNE AVE & W 12TH ST	RCRA-LQG	Date form received: 02/26/2016; Hazardous Waste Code: D008 Lead.	RCRA-regulated facility
A14	MANHOLE #1964	NEPTUNE AVE & 12TH ST	NY Spills	One quart oil on 1,000 gal water in manhole. Unit records = 10 ppm. Clean up complete.	De minimus quantity
A15	CON EDISON - MANHOLE 64658	NEPTUNE AVE & W 12 ST	NY MANIFEST	No further information provided	RCRA-regulated facility
A16	CON EDISON	W 12TH ST & NEPTUNE AVE	NY MANIFEST	Ship date: 07/19/2013; Waste codes: D008, B002.	
A17	CON EDISON - MANHOLE 1488	NEPTUNE AVE	RCRA-LQG NY MANIFEST	EPA ID: NYP004286829; hazardous waste code: D008 (lead); no violations found.	RCRA-regulated facility
A18	CON ED -M/H 1543	NEPTUNE AVE & W 12 ST	RCRA NonGen / NLR NY MANIFEST	EPA ID: NYP000928457; current non-generator; Historical LQG (1998) of "other miscellaneous PCB material", no violations found.	RCRA-regulated facility

TABLE 1
RECORDS INELIGIBLE FOR CONSIDERATION UNDER CERCLA.

EDR Map ID	Site Name	Address	Databases	Comments	Reason Eliminated
A19	CON EDISON - MANHOLE 1964	NEPTUNE AVE & W 12TH ST	RCRA-LQG	EPA ID: NYP004869933; waste code: D008 lead, amount (lbs) 3000; no violations found.	RCRA-regulated facility
A20	CON ED	NEPTUNE AVE & W 12TH ST	NY MANIFEST	EPA ID: NYP004869933; no further info.	
A21	CON ED-MH 1543	NEPTUNE AVE & W 12 ST	RCRA NonGen / NLR NY MANIFEST	EPA ID: NYP004003406; currently non-generator; historically LQG of "other miscellaneous PCB wastes"; no violations	RCRA-regulated facility
A22	CONSOLIDATED EDISON	WEST 12TH STREET AND NEPTUNE	NY MANIFEST	Shipment date: 08/25/1996; Waste: B003 - petroleum oil with 500 ppm or > PCB.	RCRA-regulated facility
A23	CON EDISON MANHOLE #64657	NEPTUNE AVE AND WEST 12TH ST	NY Spills	Equipment failure; 10 gallons of unknown oil; Spill closed.	De minimus quantity
A24	CON ED	NEPTUNE AVE & W 12TH ST	NY MANIFEST	EPA ID NYP004869925; no other info provided.	RCRA-regulated facility
25	BROOKLYN BOROUGH GAS WORKS, CONEY ISLAND	NEPTUNE AVENUE, CONEY ISLAND	EDR MGP	MGP; no further details provided in record.	Record does not identify a release
B26	PRINCE DRY CLEANING	1216 NEPTUNE AVE	EDR HIST CLEANER	Histroical dry cleaner in 1982 and 1983; internet search shows no cleaner currently at this address. No record of a release or environmental investigations.	Record does not identify a release
B30	CON EDISON OVERHEAD	1201 NEPTUNE AVE	RCRA NonGen / NLR NJ MANIFEST NY MANIFEST	Does not presently generate haz waste; previoulsy a CESQG; no violations.	RCRA-regulated facility
B31	CON ED YARD	1201 NEPTUNE AVE	NY Spills	Forty gallons of ransformer oil spilled onto asphalt parking lot from transformer; catch basin cleaned up; spill closed, no further action required.	De minimus quantity
B32	CON EDISON - NEPTUNE	1201 NEPTUNE AVE	RCRA-SQG FINDS MANIFEST	PCB wastes; ignitable wastes; lead, silver; spent haolgenated solvents; spent non-halogenated solvents; periodic bienniel reporter; no violations.	RCRA-regulated facility
B33	NEPTUNE AVENUE OPERATIONS CENTER	1201 NEPTUNE AVENUE	NY LTANKS	Used oil tank leak contained in concrete vault due to overfill.	Petroleum Exclusion
			NY TANKS	Unspecified tank associated with petroleum bulk storage (PBS).	Petroleum Exclusion
			NY Spills	Leak of antifreeze from Con Edison vehicle.	De minimus quantity
			MANIFEST	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
B34	CON ED SERVICE CTR	1201 NEPTUNE AVE	NY Spills	Two gallons of diesel spilled form a vehicle into catch basin.	Petroleum Exclusion
B35	CON EDISON CO. OF N.Y. INC. @ SERVICE CE	1201-49 NEPTUNE AVE	NY SWF/LF	Con Edison Neptune Operations Center.	Record does not identify a release
D36	CON EDISON MANHOLE: 1491	SHEEPSHEAD BAY RD & NEPTUNE	RCRA NonGen / NLR	Does not presently generate haz waste; previoulsy a CESQG.	RCRA-regulated facility
			MANIFEST	No violations; proper handling	
D37	KEYSPAN	837 NEPTUNE AVE	HSWDS NY MANIFEST	NYSDEC Hazardous Substance Waste Disposal Site Inventory; Coal Gasification Plant; EPA ID: NYD980532196	Already in SEMS
D38	SAMS NEPTUNE SERVICE	835 NEPTUNE AVE	EDR HIST AUTO	Gas station 1969 through 1975; currently a self storage building. No record of a release or environmental investigations.	Record does not identify a release
E39	CON EDISON	809 NEPTUNE AVE	RCRA NonGen / NLR FINDS ECHO	Does not presently generate haz waste; previoulsy a LQG, no violations found.	RCRA-regulated facility
E40	CON EDISON	809 NEPTUNE AVE	NY MANIFEST	Waste Code D008 (lead) from unspecified source. No violations.	RCRA-regulated facility

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E41	CON EDISON	809 NEPTUNE AVE	RCRA NonGen / NLR	Does not presently generate haz waste; previously SQG with no violations	RCRA-regulated facility
E42	CON ED	809 NEPTUNE AVE	NY MANIFEST	Con Edison facility, no waste types specified.	Record does not identify a release
E43	CON EDISON	809 NEPTUNE AVE	NJ MANIFEST	Con Edison facility, no waste types specified.	Record does not identify a release
E44	CON EDISON	809 NEPTUNE AVE	RCRA NonGen / NLR	Waste Code D008 (lead) from unspecified source. No violations.	RCRA-regulated facility
E45	CON EDISON	809 NEPTUNE AVE	NY MANIFEST	Waste Code D008 (lead) from unspecified source. No violations.	Record does not identify a release
E46	CON EDISON	809 NEPTUNE AVE	NJ MANIFEST	Con Edison facility, no waste types specified.	Record does not identify a release
E47	CON EDISON	809 NEPTUNE AVE	RCRA NonGen / NLR	Con Edison facility, no waste types specified.	RCRA-regulated facility
E48	CON EDISON	809 NEPTUNE AVE	NJ MANIFEST	Con Edison facility, no waste types specified.	Record does not identify a release
D49	CON EDISON MANHOLE: 64657	838 NEPTUNE AVE FRONT OF	NJ MANIFEST	Waste Code D008 (lead) from unspecified source. No violations.	RCRA-regulated facility
D50	CON EDISON MANHOLE: 64657	838 NEPTUNE AVE FRONT OF	NY MANIFEST	Waste Code D008 (lead) from unspecified source. No violations.	RCRA-regulated facility
51	CON EDISON - MANHOLE 64642	1225 NETUNE AVE	RCRA-LQG	Waste Code D008 (lead) from unspecified source. No violations.	RCRA-regulated facility
D52	CONEY ISLAND SERVICE STATION	817 NEPTUNE AVENUE	NY UST	Closed underground storage tanks (UST) associated with gas station.	Petroleum Exclusion
D53	817 NEPTUNE AVE/B U G	817 NEPTUNE AVE	NY LTANKS NY Spills	Tank test failure; spiller Brooklyn Union Gas; material = gasoline; former maintenance and fueling facility; multiple diesel tanks removed.	Petroleum Exclusion
D54	817 NEPTUNE AVE/B.U.G.	817 NEPTUNE AVE/B.U.G.	NY LTANKS	Diesel tank test failure, no further info.	Record does not identify a release
D55	CONEY ISLAND SERVICE STATION	817 NEPTUNE AVENUE	RCRA-LQG NY MANIFEST	Generates 1,000 kg or more haz waste during a month; ignitable waste, chromium, lead, benzene, PCE; no violations found	RCRA-regulated facility
F56	NYC DEPT OF EDUCATION - PS 90K	2840 W 12TH ST	RCRA-SQG NY MANIFEST	>100 <1000 kg haz waste per month; PCB articles and PCB wastes, lead; no violations found.	RCRA-regulated facility
			NY Spills	Sandy-related #6 fuel oil spill to vault floor; cleaned.	Petroleum Exclusion
F57	P.S. 90 - BROOKLYN K090	2840 WEST 12TH STREET	NY AST	Closed AST; #6 fuel oil; removed.	Petroleum Exclusion
G58	BELL ATLANTIC-NY	W 8TH/NEPTUNE AVE	RCRA NonGen / NLR NY MANIFEST	Does not currently generate haz waste; previously LQG with no violations	RCRA-regulated facility
G59	CON EDISON	800 NEPTUNE AVE	NY MANIFEST	Waste Code D008 (lead) from unspecified source. No violations.	RCRA-regulated facility
G60	NEW YORK TELEPHONE	NEPTUNE AVE & 8TH ST	NY MANIFEST	Waste Code D008 (lead) from unspecified source. No violations.	RCRA-regulated facility
G61	CON EDISON	SHELL RD & NEPTUNE AVE	RCRA NonGen / NLR	Does not currently generate haz waste, no violations.	RCRA-regulated facility
G62	SHELL RD - NEPTUNE AVE	SHELL RD / NEPTUNE AVE	NY Spills	Petroleum sheen observed on Coney Island Creek.	Petroleum Exclusion
G63	MANHOLE 1492	NEPTUNE AVE/WEST 8TH ST	NY Spills	One gallon of oil in manhole. No PCB results reported. Cleanup pending sample results.	De minimus quantity
G64	218990; NEPTUNE AV AND W. 8 ST	NEPTUNE AV AND W. 8 ST	NY Spills	2009 unknown petroleum, quantity not reported.	Petroleum Exclusion
H65	ALMAX AUTO REPAIR INC.	2757 STILLWELL AVENUE	NY AST	Waste oil/used oil; in service.	Petroleum Exclusion
H66	MAGNUM COLLISION & REPAIR	2757 STILLWELL AVE	RCRA NonGen / NLR FINDS ECHO NY MANIFEST	Does not presently generate haz waste; previously SQG (ignitables, solvents, TCE, PCE, lead, benzene, methyl ethyl ketone) with no violations.	RCRA-regulated facility
H67	1956 LLC DBA TOMAT FLEET SERVICE	2765 STILLWELL AVE	NY AST	Active tank; waste oil/used oil; #2 fuel oil; transmission fluid.	Petroleum Exclusion

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G68	NYCTA - NEPTUNE AVENUE	NEPTUNE AVE & SHELL ROAD	RCRA-VSQG NY MANIFEST	Conditionally exempt; generates lead; no violations	RCRA-regulated facility
G69	BKLYN UNION GAS/CONEY ISLAND WORKS	NEPTUNE AVE & SHELL RD	SEMS-ARCHIVE	EPA ID: NYD980532022; No Further Remedial Action Planned (NFRAP) 1986; Site remediated under NYSDEC's MGP Site Investigation and Remediation Program.	Already in SEMS
G70	BUG, CONEY ISLAND WORKS	NEPTUNE AVENUE & SHELL ROAD	NY HSWDS	Coal gasification plant; PA completed.	Already in SEMS
I71	MANHOLE 62303	W 8TH ST/SHEEPSHEAD BAY	NY Spills	One quart of oil on 100 gallons of water in manhole. PCBs=<1 ppm. Cleanup completed.	De minimus quantity
I72	MANHOLE #62303	W 8TH ST / SHEEPSHEAD BAY	NY Spills	Five gallons of oil in manhole. No PCB results reported. Cleanup pending sample results.	De minimus quantity
I73	ONE GAL IN MH #62303, COMING FROM	WEST 8 STREET & SHEEPHEADS BAY	NY Spills	One gallon oil coming from a duct into manhole. No PCB results reported.	De minimus quantity
J74	VERIZON	STILLWELL AVE & NEPTUNE AVE	RCRA NonGen / NLR	Does not presently generate haz waste; no violations found	RCRA-regulated facility
J75	CON ED	STILLWELL AVE & NEPTUNE AVE	NY MANIFEST	No waste types reported.	Record does not identify a release
J76	VERIZON	STILLWELL AVE & NEPTUNE AVE	RCRA NonGen / NLR	Does not presently generate haz waste; no violations found	RCRA-regulated facility
J77	CON EDISON - TRANSFORMER MANHOLE TM18855	STILLWELL AVE & NEPTUNE AVE	RCRA-LQG	Generates lead (D008), no violations found	RCRA-regulated facility
J78	NYNEX	STILLWELL & NEPTUNE AVE	NY MANIFEST	Generates lead (D008), no violations found	RCRA-regulated facility
J79	VERIZON	STILLWELL AVE & NEPTUNE AVE	RCRA NonGen / NLR	Does not presently generate haz waste; no violations found	RCRA-regulated facility
J80	NYCT-STILLWELL AVENUE TERMINAL	NEPTUNE AVE. & STILLWELL AVE.	RCRA-SQG NJ MANIFEST NY MANIFEST	Generator of lead (D008), no violations found.	RCRA-regulated facility
J81	NEW YORK TELEPHONE CO	1919 NEPTUNE AVE	RCRA-VSQG FINDS ECHO	Generates ignitables, corrosives, benzene, PCE; no violations found	RCRA-regulated facility
J82	VERIZON	STELLWELL AVE & NEPTUNE AVE	RCRA NonGen / NLR	Does not presently generate haz waste; no violations found	RCRA-regulated facility
J83	INTERSECTION; TRANSFORMER VAULT	STILLWELL AVE AND NEPTUNE AVE	NY Spills	Leaking transformer (petroleum) was removed, spill contained and cleaned; spill closed; no waterways affected.	De minimus quantity
J84	NYNEX	STILLWELL & NEPTUNE	NY MANIFEST	Generator of lead (D008), no violations found.	Record does not identify a release
K85	SERVICE BOX #40773	IFO 27-31 STILLWELL AV	NY Spills	One gallon of oil on 10 gallons of water. PCBs=<1 ppm. Cleanup completed.	De minimus quantity
J86	NEPTUNE AVE YARD	ANS STILLWELL AVE	NY Spills	Transformer being returned to yard began to leak when lifted. Spill cleaned up.	De minimus quantity
J87	STILLWELL AVE & NEPTUNE AV	STILLWELL AVE / NEPTUNE AV	NY Spills	1993 hydraulic fluid, broken hose, 10 gal in manhole, cleaned.	Petroleum Exclusion
I88	VACANT LOT	2813 WEST 8TH ST	NY Spills	Contaminated soil discovered during fuel oil UST removal.	Petroleum Exclusion
I89	CON EDISON - MANHOLE M62303	2837 W 8TH ST	RCRA-LQG	Waste Code D008 (lead), no violations.	RCRA-regulated facility
I90	CON EDISON - MANHOLE M62303	2837 W 8TH ST	NY MANIFEST	No waste types reported.	Record does not identify a release
91	BLAS AUTO REPAIR + LUBE INC.	2764 STILLWELL AVE	NY AST	Auto service/repair (no gasoline sales); waste oil/used oil; lube oil.	Record does not identify a release
J92	CON EDISON	2812 STILLWELL AVE	NY MANIFEST	Waste Code D008 (lead), no violations.	RCRA-regulated facility
93	AMERICAN HEALTH TEC SYSTEMS	2730 STILLWELL AVE	RCRA NonGen / NLR FINDS ECHO	Does not presently generate haz waste; no violations found.	RCRA-regulated facility
L94	I&D GOODWILL	2831 WEST 8TH STREET	NY UST	Retail gasoline sales; closed removed gas tanks.	Petroleum Exclusion

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EDR Map ID	Site Name	Address	Databases	Comments	Reason Eliminated
L95	2831 W. 8TH ST	2831 WEST 8TH STREET	NY LTANKS	Petroluem-releated VOCs in groundwater at gas station due to leaking piping discovered during tank pull.	Petroleum Exclusion
			NY Spills	Manhole at address has one pint of oil on 100 gallons of water. Cleanup pending lab results. No PCB results reported.	De minimus quantity
M96	CON EDISON	2922 SHELL RD N OF NEPTUNE AVE	NY MANIFEST	Waste Codes D008 (lead) and B002 (PCBs). No violations reported.	RCRA-regulated facility
N97	NYCTA-WEST END LOT	28-18 STILLWELL AVENUE	RCRA-VSQG FINDS ECHO NY MANIFEST	Generates Ignitable wastes; lead; conditionally exempt; no violations.	RCRA-regulated facility
K98	ALMAX GARAGE	2712 STILLWELL AVE	NY Spills	Antifreeze; unknown quantity; "housekeeping complaint…closed"	De minimus quantity
N99	HIGHWAY CARTING CO INC	2820 STILLWELL AVE	RCRA NonGen / NLR FINDS ECHO	Waste Code K029 (1,1,1-trichloroethane from steam stripper). No violations reported.	RCRA-regulated facility
M100	2916 SHELL ROAD	2916 SHELL ROAD	NY Spills	Trash from garbage company in creek.	Not CERCLA-eligible
O102	YBC AUTO REPAIR INC	2702 STILLWELL AVENUE	NY UST	Closed/removed fuel oil tanks.	Petroleum Exclusion
O103	YBC AUTO REPAIR INC	2702 STILLWELL AVENUE	NY AST	Active waste oil/used oil AST	Petroleum Exclusion
P104	CONSOLIDATED EDISON	2880 W 12 ST AND SURF AVE	NY MANIFEST	Waste Codes D008 (lead) and B007 (PCBs). No violations reported.	RCRA-regulated facility
P105	CON EDISON MANHOLE 1538	2880 W 12 ST AND SURF AVE	RCRA-LQG NJ MANIFEST	Generator of lead; no violations.	RCRA-regulated facility
P106	CON EDISON MANHOLE1538	228 W 12TH ST & SURF AVE FRON	NY Spills NY MANIFEST	#6 fuel oil tank leak, contaminated soils potential GW impact; Samples of VOCs and semivolatile organic compounds (SVOC), under NYSDEC limits.	Petroleum Exclusion
P107	LUNA PARK HOUSING CORP.	2880 WEST 12TH STREET	NY UST NY AST	#4 heating oil UST; #2 heating oil AST	Petroleum Exclusion
108	CITATION COLLISION CORP	2695 STILLWELL AVE	RCRA NonGen / NLR FINDS ECHO NY AIRS NY MANIFEST	Previous SQG; ignitable waste; spent nonhalogenated solvents; no violations found; permitted AIRS facility	RCRA-regulated facility
Q109	NEPTUNE AUTO REPAIR	1418 NEPTUNE AVENUE	NY AST	Active waste oil/used oil AST.	Petroleum Exclusion
R110	BUS GARAGE @BRIGHTON PROP	624 SHEEPSHEAD BAY ROAD	NY LTANKS	1994 tank failure; contaminated soil; gasoline/petroleum/fuel oil.	Petroleum Exclusion
R111	CON EDISON - MANHOLE 68188	614 SHEEPSHEAD BAY RD	NJ MANIFEST	No further information.	Record does not identify a release
R112	CON EDISON - MANHOLE 68188	614 SHEEPSHEAD BAY RD	RCRA-LQG	Generates lead; no violations.	RCRA-regulated facility
R113	614-36 SHEEPSHEAD BAY ROAD	614-24 SHEEPSHEAD BAY ROAD	NY UST	Unregulated/closed; gasoline tanks	Petroleum Exclusion
R114	CON EDISON	614 SHEEPSHEAD BAY RD	NY MANIFEST	Waste Code D008 (lead). No violations found.	RCRA-regulated facility
115	NATALIA HERNADEZ	2686 STILLWELL	NY Spills	Hurricane sandy response; 400 gallons #2 fuel oil pumped out of damaged tank.	Petroleum Exclusion
Q116	UNITEK AUTO CTR, INC	2807 WEST 15TH ST	NY AST	Waste oil/used oil; in service.	Record does not identify a release
S117	CON EDISON - W 8TH STREET YARD	2875 W 8TH ST	RCRA NonGen / NLR FINDS ECHO NY MANIFEST	Previous LQG of ignitable wastes; no violations found	RCRA-regulated facility
S118	CON EDISON	287 W 8TH ST	NY MANIFEST	No waste codes reported.	Record does not identify a release
S119	2875 WEST 8TH STREET -MTBE	2875 W. 8TH ST	NY Spills	Audit found contaminated soil; tank removed; gasoline, petroleum; Remedial Investigation complete.	Petroleum Exclusion
T120	CON EDISON	2856 STILLWELL AVE	NY MANIFEST	Waste Code D008 (lead), no violations found.	RCRA-regulated facility

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U121	NYPD CITYWIDE VANDALS TASK FORCE	2800 W 6TH ST	RCRA NonGen / NLR	No waste codes reported.	Record does not identify a release
V122	UNKNOWN	2900 SHELL RD	NY Spills	2016 spill closed; oil gasoline discharge complaint.	Petroleum Exclusion
V123	2900 SHELL RD	2900 SHELL RD	NY LTANKS	1996 tank overfill, diesel.	Petroleum Exclusion
W124	VERIZON	W 15TH & NEPTUNE AVE	RCRA NonGen / NLR	No waste codes or violations.	Record does not identify a release
125	CON EDISON - WEST 12TH SUBSTATION	2896 W 12TH ST	RCRA NonGen / NLR FINDS ECHO NY MANIFEST	Currently non-generator; former LQG PCBs; no violations	RCRA-regulated facility
126	MANHOLE #36437	NEPTUNE AVE/W 6TH ST	NY Spills	1999 one quart of dielectric fluid; to manhole. PCBs=<1 ppm. No sewers/waterways effected.	De minimus quantity
127	TRANSFORMER POL #69735	2737 W 15TH ST (AT NEPTUNE AVE)	NY Spills	2013 spill from overhead transformer to concrete; transformer oil; 1 gal (60 drops per minute)	De minimus quantity
X128	SANDY FOLLOW UP	2833 WEST 15TH ST	NY Spills	2012 #2 fuel oil tank	Petroleum Exclusion
129	SEABREEZEAUTO ENTERPRISES INC	2772 W 15TH ST	RCRA NonGen / NLR NY MANIFEST	Currenlty non generator; previously generated ignitable wastes, and spent nonhalogenated solvents; no violations	RCRA-regulated facility
W130	CON EDISON - MANHOLE 1482	1502 NEPTUNE AVE	RCRA-LQG NY MANIFEST	Generator of Lead, no violations found	RCRA-regulated facility
T131	CON EDISON - VAULT SUBMERSIBLE 7725	2872 STILLWELL AVE	NY MANIFEST		
132	WELMADE CUSTOME PRODUCTS INC	608 SHEEPSHEAD BAY RD	NY Spills	One pint oil on 500 gallons water in manhole. PCBs=<1 ppm. Cleanup completed.	De minimus quantity
			RCRA NonGen / NLR FINDS ECHO NY MANIFEST	Currently non generator; previous large quantity generator ignitable waste; compliance evaluation inspection on site written informal violation	RCRA-regulated facility
Y133	GENERAL IRON CORP	2715 WEST 15TH STREET	RCRA NonGen / NLR US AIRS FINDS ECHO NY MANIFEST	Waste Code D002 (corrosive). No violations.	RCRA-regulated facility
Y134	GENERAL IRON CORP	2715 W 15 ST	NY AST	Fuel oil tanks.	Petroleum Exclusion
Y135	POLE 18868	2709 W 15TH ST	NY Spills	2015 2 gal pole transformer leak of dielectric fluid to pavement.	De minimus quantity
U136	AMALGAMATED WARBASSE HOUSES INC	2701 W 6TH ST	RCRA-VSQG NY AIRS NY MANIFEST	Corrosives; no violations; permitted AIRS faciltiy	RCRA-regulated facility
U137	AMALGAMATED WARBASSE HOUSES INC	2701 WEST 6TH STREET	NY UST	Fuel oil tanks.	Petroleum Exclusion
U138	2701 W. SIXTH ST	2701 W. SIXTH ST	NY Spills	Transformer in storage struck with backhoe, leaked oil to pavement.	De minimus quantity
139	LEV'S AUTO REPAIR CENTER	1515 NEPTUNE AVE	RCRA NonGen / NLR FINDS ECHO NY MANIFEST	Currently non-generator; previoulsy generated ignitable waste, methyl ehtyl ketone, and nonhalogenated solvents; No violations.	RCRA-regulated facility
Z140	NYCTA - STILLWELL AVE STATION FQNW LINES	29-01 STILLWELL AVE	RCRA NonGen / NLR FINDS ECHO NY MANIFEST	Currently non-generator; previously generated spen halogenated solvents; No violations	RCRA-regulated facility
Z142	CON EDISON - MANHOLE 40783	2900 STILLWELL AVE	RCRA-LQG NY MANIFEST	Generator of lead; no violations.	RCRA-regulated facility

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EDR Map ID	Site Name	Address	Databases	Comments	Reason Eliminated
X143	2838 WEST 15TH ROAD	2838 WEST 15TH ROAD	NY Spills	Private dwelling; sandy repsonse record; #2 fuel oil.	Petroleum Exclusion
144	GULF SERVICE STATION	2890 SHELL ROAD	NY LTANKS NY AST NY Spills	Tank failure; gasoline; waste oil AST; wasetwater from wash machine discharged to creek.	Petroleum Exclusion
145	ON PARKING LOT	2906 WEST 12 ST	NY Spills	5-10 gallons fuel oil on asphalt from overfill; spill closed.	Petroleum Exclusion
Y146	DMD DEMOLITION	2726 WEST 15TH ST	NY Spills	Leaking drums of unknown petroleum on trucking company property. Cleanup completed by property owner.	Petroleum Exclusion
147	KURT CLEANERS	502A NEPTUNE AVE	RCRA-VSQG ICIS US AIRS NY MANIFEST	Former dry cleaner. Generator of chromium, PCE, TCE, and spent solvent haz wastes; no violations; 1 Administrative Order, and 1 Notice of Violation. Minor air emitter. No record of unpermitted releases or environmental investigations.	Record does not identify a release
AA148	TRUMP VILLAGE SHOPPING CTR	532 NEPTUNE AVE	NY Spills	Complaint from resident about smell from tar.	Record does not identify a release
AA149	STREET CONSTRUCTION	532 NEPTUNE AVE	NY Spills	Odor complaint from electrical contractor digging trench near former MGP site under state oversight. No spill observed by NYSDEC.	Record does not identify a release
150	BASEMENT	2763 WEST 16TH STREET	NY Spills	#2 fuel oil in private basement due to Hurricane Sandy	Petroleum Exclusion
AB151	ESTELLA LOPEZ	1526 NEPTUNE AVE	NY Spills	Mixed use building on natural gas reported oil and sewage seeped into basement.	Petroleum Exclusion
152	2702 WEST 15TH STREET	2702 WEST 15TH STREET	NY VCP	Voluntary Cleanup Agreement; no further info.	Record does not identify a release
AC153	JIFFY CLEANERS	1412 MERMAID AVE	RCRA-VSQG ICIS US AIRS FINDS NY MANIFEST	Former dry cleaners. Generators of ignitable waste and spent halogenated solvents; Minor air emitter; Administrave NOV Informal Enforecement Action - AIR. No record of unpermitted releases or environmental investigations.	Record does not identify a release
AB154	AT EXCAVATION SITE	NEPTUNE AVE AND WEST 16TH ST	NY Spills	"Case closed tue to insufficient information."	Record does not identify a release
AC155	CON EDISON	1420 AVENUE H	NY Spills NY E DESIGNATION NY MANIFEST	Sandy Follow up; storm damage to 275 gal fuel tank; no odors or stains on vault floor; #2 fuel oil.	Petroleum Exclusion
AD156	NYCT-BRIGHTON LINE BENTS 176-251	W. BRIGHTON 1ST ST. &	RCRA-SQG NJ MANIFEST	Generator of lead; no violations.	RCRA-regulated facility
AB157	1620 NEPTUNE AVE/MERIT	1620 NEPTUNE AVE	NY LTANKS NY Spills	25 gallons petroleum; mulitple de minimus gasoline spills at station.	Petroleum Exclusion
158	NYSDOT -BELT PARKWAY OVER OCEAN PARKWAY	2860 SHELL RD	RCRA-VSQG NY MANIFEST	Generator of ignitable waste	RCRA-regulated facility
159	219043; SHELL RD AND 2 6 ST	SHELL RD AND W 6 ST	NY Spills	Unknown petroleum, amount and details not reported	Petroleum Exclusion
AB160	SPEEDWAY GAS STATION 7829	1620 NEPTUNE AVE	NY Spills	Two gallons of gasoline spilled at gas station.	Petroleum Exclusion
AB161	HESS#32524	1620 NEPTUNE AVE	RCRA-VSQG NY LTANKS NY UST NY Spills ICIS US AIRS FINDS ECHO NY MANIFEST	Generator of ignitable waste and benzene; gasoline tank, test failure; gasoline storage tanks; gasoline released to groundwater cleaned using socks in monitoring well.	Petroleum Exclusion

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AE162	PARKING LOT	HART PL/W 15TH ST	NY Spills	Diesel spilled in bus refueling parking lot.	Petroleum Exclusion
AD163	NYCT-WEST 8TH STREET STATION (D&F LINE)	2925 WEST 8TH STREET	RCRA-VSQG FINDS ECHO NY MANIFEST NJ MANIFEST	Generator of oil with PCBS <500 ppm; lead; no violations found.	RCRA-regulated facility
AF164	TIDAL MANHOLE	SOUTHWEST CORNER OF MERMAID AVE / W 15TH ST	NY Spills	1/2 pt of oil (PCBs = 351 ppm)	De minimus quantity
AF165	MANHOLE 1534	WEST 15 TH ST/MERMAID AV	NY Spills	1 qt of unknown petroleum (potential PCBs)	De minimus quantity
166	1629 NEPTUNE AVE/MERIT	1629 NEPTUNE AVE	NY Spills	Spill of two gallons of gasoline.	Petroleum Exclusion
AG167	NYCDOT BRIDGE BIN 2240301	CROPSEY AVE BRIDGE OVER CONEY ISLAND CREEK	RCRA-LQG NY MANIFEST RI MANIFEST	Generator of lead, benzene; no violations.	RCRA-regulated facility
168	CON EDISON -MANHOLE 42419	1015 SURF AVE	RCRA-LQG	Generator of lead; no violations.	RCRA-regulated facility
AE169	CON EDISON -MANHOLE 59193	1427 HART PL	RCRA-LQG NY MANIFEST	Generator of lead; no violations.	RCRA-regulated facility
AG170	HART PLACE & WEST 16TH ST	HART PLACE & W. 16TH ST	NY Spills	Sludge and suspected waste/used oil dumped to catch basin, some reported reaching unspecified creek.	De minimus quantity
AG171	WEST 16TH STREET AND	HARD PLACE & W. 16TH ST	NY Spills	Two drums of waste oil required pick up.	Record does not identify a release
AG174	ON STREET	WEST 16TH /HEARTPLACE	NY Spills	1 55-gallon drum of transmission fluid needing pickup.	Record does not identify a release
AG175	CONED CONEY IS OIL IN LOT	WEST 16TH ST & HART PLACE	NY Spills	Old oil spill discovered during lot clearing.	Petroleum Exclusion
AF176	JOHS GOLDEN BELL FRENCH CLENAERS	1506 MERMAID AVE	RCRA-SQG US AIRS FINDS ECHO NY MANIFEST	Active dry cleaner operating under new name. Generator of ignitable waste, spent halogenated solvents; no report of unpermitted release or environmental investigations.	RCRA-regulated facility
AH177	MANHOLE # 44766	SHELL RD 125FT S SHORE PK	NY Spills	1/2 pint of oil on 200 gallons of water in manhole. PCBs=<1 ppm. Cleanup completed.	De minimus quantity
AH178	UNDER BELT PARKWAY	SHELL RD/BELT PARKWAY	NY Spills	Six abandoned barrels of "unknown material."	Record does not identify a release
AI179	TRANSFORMER MANHOLE 1060	SURF AVE & W 12 STREET	NY Spills	One gallon of oil on 3,000 gallons of water in manhole. PCB results not reported.	De minimus quantity
AI180	OPEN TRENCH	SURF AVE NEAR WEST 12 ST	NY Spills	6-oz of an unknown oil.	De minimus quantity
AI181	MANHOLE TM10690	SURF AV W 12ST ST	NY Spills	Two gallons of oil on 500 gallons of water in manhole. PCBs=53 ppm. Cleanup completed.	De minimus quantity
AI182	MANHOLE 60732	WEST 12TH ST & SURF AVE	NY Spills	One pint of unknown oil on 400 gallons water in manhole. PCBs=<1 ppm. Cleanup completed.	De minimus quantity
AI183	SURF AVE/W. 12TH ST	SURF AV/W 12TH ST-ROADWAY	NY Spills	Pesticide spilled on road and in manhole; quantity not reported	Record does not identify a release
AI184	MANHOLE #42404	SURF AVE AT WEST 12 ST	NY Spills	1/2 gal of oil on 600 gallons water in manhole. Cleanup pending PCB results.	De minimus quantity
AI185	VAULT #841	W 12TH ST/SURF AVE	NY Spills	Twenty gallons or oil on 100 gallons of water in manhole. PCBs=52 ppm. Cleanup completed.	De minimus quantity
AI186	MANHOLE 62331	W 12TH ST/N OF SURF AVE	NY Spills	Sheen of unknown oil in sump.	De minimus quantity
AJ187	GAS STATION	1617 NEPTUNE AVE	NY Spills	Petroleum contamination of soil and groundwater.	Petroleum Exclusion
188	MANHOLE 44767	SHELL RD 380 FT S SHORE P	NY Spills	One pint oil on 100 gallons of water in manhole. PCBs=<1 ppm.	De minimus quantity
189	DRUM RUN	SHORES PARKWAY AND STILLWELL AVE	NY Spills	One 55 gal drum paritally filled with used oil.	Record does not identify a release
AK190	805-825 SURF AVENUE	805 SURF AVENUE	NY VCP	No details reported.	Record does not identify a release
AL191	SANDY FOLLOW UP	2868 WEST 16TH ST	NY Spills	Damaged private fuel oil tank.	Petroleum Exclusion

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AL192	2864, 2868 16TH STREET	2864, 2868 16TH STREET	NY Spills	Hurricane sandy emergency response; #2 fuel oil.	Petroleum Exclusion
193	1ST AVE/SURF AVE & W. 10	1ST AVE/SURF AVE & W.10	NY Spills	Tractor trailer accident; pesticides on ground; total amount not reported	De minimus quantity
AM195	AFFORABLE MOTORS OF BROOKLYN INC	3075 CROPSEY AVE	NY SWF/LF	Vehicle dismantling facility.	Record does not identify a release
AL196	POLE # 13244	2872 WEST 16TH STREET	NY Spills	2 quarts of oil from overhead transformer. Unit date=<50 ppm PCBs.	De minimus quantity
197	PVT DWELLING	2819 WEST 17TH ST	NY Spills	Fuel oil leak from tank in private basement.	Petroleum Exclusion
AM199	CROPSEY AVE. & HART PLACE 0 NYCEDC	3063 CROPSEY AVENUE	RCRA-VSQG FINDS ECHO NY MANIFEST	Generates lead; no violations.	RCRA-regulated facility
AM200	VACANT LOT	3063-3065 CROPSEY AVENUE	NY LTANKS	Petroleum contamination from leaking tanker truck discovered during property transfer.	Petroleum Exclusion
AM201	CON EDISON - MANHOLE 1470	3071 CROPSEY AVE	RCRA-LQG	Generator of lead	RCRA-regulated facility
202	TRUMP VILLAGE SEC 4 INC	2940 WEST 5TH ST	NY UST NY AST NY Spills	Tanks and related leaks of fuel oil.	Petroleum Exclusion
AN203	TO ROADWAY	STILLWELL AT SURF AVE	NY Spills	Transmission fluid spill to roadway.	Petroleum Exclusion
AN204	TRAIN STATION	STILLWELL & SURF AVE	NY Spills	Drummed material left on platform…no spill.	Record does not identify a release
AN205	MANHOLE 40789	STILLWELL AVE - SURF AVE	NY Spills	1/2 pint of unkonw oil on water; no oil filled equipment in hole, unknown source	De minimus quantity
AN206	MAN HOLE #40789	STILLWELL AV & SURF AV	NY Spills	1 quart oil on approx 800 gal of water in manhole.	De minimus quantity
AN207	MANHOLE 42408	STILLWELL AVE & SURF AVE	NY Spills	1 pint oil on 1,000 gallons of water in manhole.	De minimus quantity
AN208	VAULT 3164	SURF AVE/STILLWELL AVE	NY Spills	4-oz. oil on 100 gallons of water in electrical vault.	De minimus quantity
AJ209	NEPTUNE&CROPSEY AV/MERITT	NEPTUNE AVE&CROPSEY AVE	NY Spills	Ten gallons gasoline spilled to ground.	Petroleum Exclusion
AJ210	NEPTUNE AVE &	NEPTUNE AVE & CROPSEY AVE	NY Spills	Drum of waste oil, petroleum needed removal, no spill	Record does not identify a release
AJ211	NEPTUNE & CROPSEY AVENUES	NEPTUNE & CROPSEY AVENUES	NY Spills	Hydraulic oil from broken truck hydraulic line; approx 50 gal	Petroleum Exclusion
AJ212	IN ROADWAY	W 17TH & CROPSEY AVE	NY Spills	#2 fuel oil; leak in roadway, amount not reported.	Petroleum Exclusion
AJ213	CROPSEY & NEPTUNE AV/BKLY	CROPSEY & NEPTUNE AVENUES	NY LTANKS	Five gallons gasoline spilled from tank overfill.	Petroleum Exclusion
AO214	CON EDISON - MANHOLE 42401	1224 SURF AVE	RCRA-LQG NY MANIFEST	Generator of lead; no violations.	RCRA-regulated facility
AP215	16TH STREET AND MERMAID AVE. (HURRICANE SANDY)	16TH STREET AND MERMAID AVE.	NY Spills	NYSDEC pumped out 550 gallons of fuel oil. No report of a release.	Record does not identify a release
AP216	MH 1533	W 16TH ST/MERMAID AVE	NY Spills	1 pint of oil on 1,000 gal water; lab result < 1 ppm PCB.	De minimus quantity
AP217	MANHOLE #TM2713	WEST 16TH ST/MERMAID AVE	NY Spills	50 gallons transmfomer oil in manhole; PCB 12 ppm.	De minimus quantity
AQ218	1711 NEPTUNE AVENUE / BRO	1711 NEPTUNE AVENUE	NY Spills	One gallons of waste oil/used in hole at back of transmission repair facility.	Petroleum exclusion
AR219	GAS DANGMAN PARK MGP	486 NEPTUNE	RCRA-LQG	Generator of corrosive waste, no violations.	RCRA-regulated facility
AO221	1228 SURF AVE	1228 SURF AVE	NY LTANKS	#2 fuel oil tank failure.	Petroleum exclusion
AM222	VALENTE CONCRETE	3100 CROPSEY AVE	NY Spills	Petroleum contamination from former fuel oil terminal discovered during property transfer.	Petroleum Exclusion
223	STORM DRAIN	2608 WEST 13TH ST	NY Spills	Caller reported concrete company routinely dumping "foamy water" into strom drain and releasing dust near schools and residences.	Not CERCLA-eligible
AS224	STARBUCKS PARKING LOT	3035 CROPSEY AVENUE	NY Spills	50 gallons of diesel from damaged truck.	Petroleum exclusion

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AS225	CROPSEY AVE & HAR PL	CROPSEY AVE/HART PL	NY Spills	Old spill case closed. Unknown red material discharged to Coney Island Creek. No additional information.	Unknown source
AS226	MANHOLE 01470	CROPSEY AVE/HARD PL	NY Spills	Three gallons oil on 200 gallons of water in manhole. PCBs=<1 ppm. Cleanup completed.	De minimus quantity
AS227	ON ROADWAY	HART PLACE AND CROPSEY AVE	NY Spills	Minor spill of PCB oil to roadway from unspecified source.	De minimus quantity
AS228	LANE DISTRIBUTING CORP.	CROPSEY AVE & HART PLACE	NY CBS NY CBS AST	Sodium hypochlorite stored in indoor AST.	Record does not identify a release
			NY Spills	Abaondoned boat leaking oil.	Petroleum Exclusion
AM229	AMOCO	3072 CROPSEY AVE	NY Spills	Traffic accident; gasoline flushed down sewer	Petroleum exclusion
AT230	VAULT#1532	WEST 8TH & SURF AVE	NY Spills	Two gallons transformer oil to electrical vault. Approx. one quart to sewer. PCBs=<1 ppm. Cleanup completed.	De minimus quantity
AT231	W 8TH ST & SURF AVE	W 8TH ST & SURF AVE	NY Spills	15 gallons of diesel spill due to traffic accident.	Petroleum exclusion
AT232	TM 1062	W 8TH ST /SURF AVE	NY Spills	Petroleum sheen on 400 gal water in manhole; <1 ppm PCB.	De minimus quantity
AT233	NEW YORK ZOOLOGICAL SOCIETY	SURF AVE & W 8TH ST AQUARIUM	RCRA-LQG NY MANIFEST	Generates ignitable, corrosive, and reactive wastes; no violations	RCRA-regulated facility
AT234	CONEY ISLAND AQUARIUM	W 8TH ST/BROARDWALK	NY Spills	Gasoline spill in parking lot; no further action.	Petroleum exclusion
AT235	NYCT - WEST 8TH ST & SURF AVE	WEST 8TH ST & SURF AVENUE	RCRA-LQG NJ MANIFEST NY MANIFEST	Generator of lead, no violations found.	RCRA-regulated facility
AT236	NY AQUARIUM	SURF AVE & WEST 8TH ST	NY Spills	Four gallons hydraulic oil to blacktop.	Petroleum Exclusion
AT237	NY AQUARIUM	WEST 8TH & SURF AVE	NY Spills	Five gallons hydraulic oil; 1 quart to drain; in parking lot.	Petroleum Exclusion
AT238	VAULT 1532	WEST 8TH ST/SURF AV	NY Spills	Leaking transformer; 2 pints oil on 200 gal water; Spill contained to vault.	De minimus quantity
AT239	EXCAVATION	8 STREET & SURF AVENUE	NY Spills	Unknown petroleum; no other info.	Petroleum Exclusion
AQ240	EXXONMOBIL OIL CORP 17968	1702 NEPTUNE AVE	RCRA-SQG	Generates ignitable wastes and benzene; no violations found.	RCRA-regulated facility
AQ241	MOBIL S/S#17-TAD	1702 NEPTUNE AVENUE	NY Spills	Exxon detected 0.18 ft product in monitoring well; remediations (chem ox injections and ORC); SIR with soil/GW samples; Epson salt injection; Arcadis submitted RER recommends No further action; Spill Closed.	Petroleum Exclusion
AP242	APT BLDG	1608 MERMAID AVE	NY Spills	Unknown petroleum, contaminated soil and GW in tank field.	Petroleum Exclusion
AU243	WOLF AMOCO	3072 CROPSEY AVE	NY LTANKS NY Spills	Petroleum contamination at inactive gas station.	Petroleum Exclusion
AV244	INTERMEDIATE SCHOOL 303K	501 WEST AVE	RCRA-LQG NJ MANIFEST NY MANIFEST	Generator of PCBs >50 <500 ppm; other PCB wastes, lead; no violations found.	RCRA-regulated facility
AV245	PS 303K SCHOOL	501 WEST AVE	NY Spills	Narrow band of tar from historical road encountered during excavacation; MAHs/PAHs within normal range; "case closed"	Record does not identify a release
AS246	NEAR CROPSEY AVE BRIDGE	NEAR CROPSEY AVE BRIDGE	NY Spills	Suspected petroleum tank, floating on Coney Island Creek.	De minimus quantity
AW247	GETTY	2598 STILLWELL AVE	NY LTANKS NY Spills	Gasoline tanks pressure test failure; contaminated soil with gasoline byproducts discovered.	Petroleum exclusion

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AW248	CEMENT BUSINESS	2589 STILLWELL AVE	NY Spills	Cement dumped down the sewer and on street.	Not CERCLA-eligible
249	CON EDISON - MANHOLE 47958	3045 WEST 12TH ST. & BOWERY	RCRA-LQG	Generates lead; no violations.	RCRA-regulated facility
AS250	QUADROZZI CONCRETE CORP	3024 CROPSEY AVE	NY Spills	Unknown petroleum, possible lubricating oil, at facility and Coney Island Creek.	Petroleum Exclusion
			NY SPDES	Former concrete facility. Site redeveloped and now occupied by a self storage facility. Minor discharger to Coney Island Creek.	Not CERCLA-eligible
AU251	FORMER QUADROZZI CONCRETE	1705-1739 HART PLACE/3068 CROPSEY AVE	NY Spills	Free phase product in monitoring wells in old heating oil storage tank area; large investigation; #2 fuel oil.	Petroleum exclusion
AX252	CLOSED-LACKOF RECENT INFO	2915 WEST 5TH ST	NY LTANKS	Tank test failure un and unspecified minor leak of fuel oil.	Petroleum exclusion
253	MICHAIN AUTO SHOP	1711 NEPTUNE AVE	NY Spills RCRA NonGen / NLR NY MANIFEST	Waste oil overflow due to flooding. Previously generated halogenated solvents with no violations.	Petroleum exclusion
AX254	2928 W 5TH ST/TRUMP VILL	2928 WEST 5TH ST	NY LTANKS	Fuel oil tank test failure and minor leak.	Petroleum exclusion
AY255	LOT 4, TAXBLOCK 7062	1620 MERMAID AVENUE	NY Spills NY E DESIGNATION	Sandy-related fuel oil in basement. 150 gallons pumped out.	Petroleum exclusion
AZ256	IFO	2954 WEST 8TH ST	NY Spills	Transformer fire in vault, 3 gal oil atop 300 gal water in electrical vault.	De minimus quantity
257	APT BUILDING	501-601 SURF AVE	NY LTANKS	Emptied fuel oil tank showed air leak when tested.	Record does not identify a release
258	MANHOLE 1499	WEST 5TH STREET+NEPTUNE	NY Spills	1/2 gal oil spill on 20 gal water in manhole. Cleanup pending sample results.	De minimus quantity
AZ259	60 PRECINCT NYPD -DDC	2951 WEST 8TH STREET	NY LTANKS NY Spills	#2 fuel oil plume from removed gas and diesel USTs seeping into basement.	Petroleum Exclusion
AZ260	CONCRETE	2951 WEST 8TH	NY Spills	5 gal diesel on impervious surface.	Petroleum Exclusion
AZ261	NYCPD PCT 60	2951 WEST 8TH STREET	NY LTANKS	Gasoline-contaminated soil found.	Petroleum Exclusion
BA262	TENNIS COURT	2781 SHELL ROAD	NY LTANKS	Tanks test failure, retested and passed.	Record does not identify a release
BA263	TOMWIN REALTY	27-81 SHELL RD	NY LTANKS	5-year old DEC tank test failure, #2 fuel oil.	Record does not identify a release
BB264	WHEELER SHIPYARD		FUDS	Formerly Used Defense Site, no report of a release or environmental investigation.	Record does not identify a release
265	DRUM RUN	2813 WEST 19TH ST	NY Spills	Abandoned waste oil drums removed.	Record does not identify a release
266	CROPSEY AV &HART PL/BKLYN	CROPSEY AVE & HART PLACE	NY Spills	10 gal diesel fuel on top of sewer.	Petroleum Exclusion
BC267	UNKNOWN	BAY 54TH/CROPSEY	NY Spills	5-year old gasoline spill, spill closed.	Petroleum Exclusion
BC268	MANHOLE #1477	CROPSEY AVE & BAY 54TH ST	NY Spills	One quart cable oil on 500 gallons of water in manhole. PCBs=<1 ppm. Cleanup completed.	De minimus quantity
AY269	DIME SAVINGS BANK	2909 WEST 17TH ST	NY LTANKS	Fuel oil tank failure, no contamination of soil.	Record does not identify a release
BD270	CON EDISON - MANHOLE 36409	INT. NEPTUNE AVE & W.19TH	RCRA-LQG NY MANIFEST	Generator of lead; no violations.	RCRA-regulated facility
BD271	MANHOLE #36409	W. 19TH ST & NEPTUNE AVE	NY Spills	One quart dielectric fluid on 100 gal water in manhole. Cleanup pending sample results.	De minimus quantity
BD272	COMMERCIAL PROEPRTY	NEPTUNE AVE/WEST 19TH ST	NY Spills	Raw sewage pumped to street and canal.	Not CERCLA-eligible
273	2835 WEST 19TH STREET	2835 WEST 19TH STREET	NY Spills	Fuel oil mixed in sewer water in basement.	Petroleum Exclusion
274	MANHOLE 63601	SURF AVE & W 16TH ST	NY Spills	One pint oil on 100 gallons of water in manhole. PCBs=<1 ppm. Cleanup completed.	De minimus quantity
BB275	CROPSEY AVE PATHMARK	CROPSEY AVE PATHMARK	NY Spills	"Garbage", no other info.	Not CERCLA-eligible
276	TO ROADWAY	WEST 5TH ST AND WEST BRIGHTON	NY Spills	One quart hydraulic oil entered sewer.	Petroleum Exclusion

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278	NYC DEPT OF EDUCATION - H S 728K	2865 W 19TH ST	RCRA-SQG FINDS ECHO NY MANIFEST	Generator of PCB articles containing >50 ppm <500 ppm, no violations found.	RCRA-regulated facility
279	VAULT 4081	602 SURF AVE	NY Spills	1/2 pint dielectric fluid leak in aboveground electrical vault. No PCB results reported.	De minimus quantity
BE280	COSME PROPERTY	1712 MERMAID AVENUE	NY Spills	Water infiltrating basement; gasoline odors, possibly from abandoned gas station next door.	Petroleum Exclusion
BF281	NYNEX MANHOLE-CROSSBAY BL	CROSSBAY BLVD/BAY 53RD ST	NY Spills	Unspecified petroleum in NYNEX manhole.	De minimus quantity
BG282	NYNEX	1919 NEPTUNE AVE	NY LTANKS NY Spills NY MANIFEST	Multiple spill records, all petroleum.	Petroleum Exclusion
BF283	GETTY STATION	2959 CROPSEY AVE	NY Spills	Overfilled car, 8-gallons gasoline.	Petroleum Exclusion
BG284	ANNYOMOUS	1917 NEPTUNE AVE	NY Spills	Sewage pumped into a drain leading to canal.	Not CERCLA-eligible
BE285	LOT 5,TAXBLOCK 7061	1718 MERMAID AVENUE	NY Spills NY E DESIGNATION	#2 fuel oil, Hurricane Sandy response, pumped out 500 gal tank. No record of a release.	Record does not identify a release
BF286	CANAL AVE	CROPSEY AVE & CANAL AVE	NY Spills	Bus with damaged transmission line resulted in 7 gallons transmission fluid to street.	Petroleum Exclusion
BF287	SPILL NUMBER 0107021	CROPSEY AVE/CANAL AVE	NY Spills	Bus radiator hose damage, 5-gallons antifreeze spill contained.	De minimus quantity
BF288	CANAL AVE AND	CROPSEY AVE & CANAL AVE	NY Spills	Getty station, 350 ppm PID from gasoline contaminations.	Petroleum Exclusion
BF289	MANHOLE 918	CROPSEY AVE/CANAL AVE	NY Spills	One gallon of oil on 15 gallons of water in manhole. PCBs=<1 ppm. Cleanup completed.	De minimus quantity
BF290	CITGO	2955 CROPSEY AVE	RCRA-SQG US AIRS FINDS	Generates benzene and ignitable wastes, no violations found.	RCRA-regulated facility
BF291	GETTY #00709	2955 CROPSEY LANE	NY LTANKS NY Spills	Multiple gasoline and diesel spill records at the gas station.	Petroleum Exclusion
292	BROOKLYN GAS GROUP, LLC	2978 CROPSEY AVENUE	NY UST NY Spills	Gasoline USTs; gas, diesel and waste oil spill records; VOC and SVOC soil and gw contamination.	Petroleum exclusion
BE293	1726 MERMAID AVENUE	1726 MERMAID AVENUE	NY Spills NY E DESIGNATION	Hurricane Sandy response: 231 gallons of #2 fuel oil pumped out of tank.	Record does not identify a release
294	SHORE RD/17TH ST	SHOR RD/17TH ST	NY Spills	Raw seweage discharge.	Not CERCLA-eligible
295	2955 CROPSEY AVE/GETTY	2955 CROPSEY AVENUE	NY LTANKS	4k tank failed test and leaking gasoline.	Petroleum Exclusion
296	CON EDISON - MANHOLE 53014	1701 SURF AVE	RCRA-LQG	Generator of lead, no violations found.	RCRA-regulated facility
297	TRUMP VILLAGE SECTION 3	460 NEPTUNE AVE	NY Spills	Leaking line at fill box, contaminated soils, oil product in monitoring wells; extensive data and remediation; #2 fuel oil caused VOC and SVOC contamination to soil and groundwater.	Petroleum Exclusion
298	PRIVATE RESD	2925 W 19TH ST	NY Spills	5 gallons #2 fuel oil; UST removal, oily water discharged to soils.	Petroleum Exclusion
299	NYC TANSIT AUTHORITY	AVENUE Z/SHELL ROAD	NY Spills	Report of unspecified chemicals pumped to street. No further information.	De minimus quantity
300	GORMELY RESIDENCE	158 BAY 54TH ST	NY LTANKS	Spill of fuel oil due to overfill of tank.	Petroleum exclusion
301	MANHOLE 1552	WEST 5TH ST S OF SEABREEZ	NY Spills	One quart oil on 50 gallons water in manhole. PCBs=186 ppm. Cleanup completed.	De minimus quantity
302	FORMER GAS STATION	1709-29 SURF AVE	NY Spills	Gasoline-related contamination (VOCs and SVOCs) to soil and groundwater.	Petroleum Exclusion
303	MANHOLE #TM2465	SHORE PKWY & W 3RD STREET	NY Spills	One pint oil on 500 gallons water. PCBs=<1 ppm. Cleanup completed.	De minimus quantity

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304	CON EDISON - MANHOLE 1550	311 SEABREEZE AVE	RCRA-LQG NY MANIFEST	Generator of lead, no violations found.	RCRA-regulated facility
BH305	GAS STATION -MTBE	2001 NEPTUNE AVE	NY Spills	Gasoline-related VOC and SVOC contaminated soil and groundwater.	Petroleum Exclusion
306	NYC BD OF ED -PUBLIC SCHOOL 100 K	2951 W 3RD ST	RCRA-LQG FINDS ECHO NY MANIFEST	Generator of PCB articles, no violations found.	RCRA-regulated facility
BI307	CON ED	2942 W 5TH ST	NY Spills NY MANIFEST	#2 fuel oil, soil excavated and removed.	Petroleum Exclusion
BI308	3058 5TH STREET	3058 5TH STREET	NY Spills	Hurricane Sandy reponse, pumped out #2 fuel oil tank.	Record does not identify a release
BI309	NY AQUARIUM - TTF	502 SURF AVE	NY LTANKS	20-gallon spill on cement walkway of #2 fuel oil.	petroleum Exclusion
310	54TH ST AND	WEST 20TH ST	NY Spills	Citizien reported oil truck spilling unkown amount of oil to street.	Petroleum Exclusion
BJ311	SANITATION GRAGE	2012 NEPTUNE AVE	NY Spills	Fuel oil to interstiltial space between doubled walled interior AST. Cleanup in progress.	Petroleum Exclusion
312	STILLWELL AUTO PARTS & REPAIR INC	2505 STILLWELL AVE	NY SWF/LF NY Spills	Waste oil/used oil dumping into sewer.	Petroleum Exclusion
BH313	2023 NEPTUNE AVENUE / BRO	2023 NEPTUNE AVENUE	NY Spills	USCG responded to an unspecified release to Coney Island Creek. Record indicates no recoverable product.	Unknown source
314	CON EDISON - MANHOLE 36363	1926 MERMAID AVE	RCRA-LQG	Generator of lead; no violations.	RCRA-regulated facility
BJ316	BROOKLYN EAST 13 DOS -DDC	2012 NEPTUNE AVE	NY LTANKS NY Spills	Multiple petroleum spill reports.	De minimus quantity
317	SERVICE BOX 4595	ES OF BRIGHTON & 3RD ST	NY Spills	One gallon oil on 200 gallons water in electrical vault. PCBs=<1 ppm. Cleanup completed.	Petroleum Exclusion
318	MAN HOLE #1501	NEPTUNE AV &W 2ND ST	NY Spills	3-oz. of dielectric fluid on 50 gallons water in manhole. PCBs=<1 ppm. Cleanup completed.	De minimus quantity
319	HOME DEPOT #HD1256	2970 CROPSEY AVENUE	RCRA-LQG NJ MANIFEST NY MANIFEST	Generator of ignitable waste, corrosive waste, barium, chromium, lead, mercury, benzene, 2,4-D, spent nonhalogenated solvents; no violations.	RCRA-regulated facility
320	1905 SURF AVENUE	1905 SURF AVENUE	NY VCP	Unspecified NYSDEC Voluntary Cleanup Program site.	Record does not identify a release
321	CONCRETE	W 21ST ST AND NEPTUNE AVE	NY Spills	Pole-mounted transformer leak of 1 pint dielectric fluid to pavement. No PCB results reported.	De minimus quantity
322	2662 W. 2ND ST APT 5A	2662 W. 2ND ST APT 5A	NY Spills	Caller reported "strong chemical smell" from above apartment.	Record does not identify a release
323	PAINT DRUMS	CONEY IS. RECREATION AREA	NY Spills	Dumping of 50 drums, cleaned up by NYCDEP contractor. No report of a release.	Record does not identify a release
324	2552 WEST 17TH ST	2552 WEST 17TH ST	NY Spills	Spill of waste oil/used oil migrated to adjacent property, impacted soil excavated and backfilled.	Petroleum Exclusion
325	2631 W 2ND ST	2631 W 2ND ST	NY Spills	Spill of #6 fuel oil from refuel line break, spill cleaned up.	Petroleum Exclusion
BK326	CON EDISON	557 AVE Z	NY Spills NY MANIFEST	#6 fuel oil; old tanks removed, soil contamination, excavated/cleaned.	Petroleum Exclusion
BL327	BEACH HAVEN APARTMENTS	577 AVE Z	NY Spills	Caller reported buried drums of oil. No evidence of spill despite caller complaint.	Record does not identify a release

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BM328	IN BACKYARD OF	9 DANK CT	NY Spills	Austo waste fluids/petroleum from junkyard spill into private residence.	Petroleum Exclusion
BN329	POLE # 28638	2522 WEST 16TH ST BY AVE Y	NY Spills	Pole transformer leaked 0.25 gallon dielectric fluid to pavement. No PCB results reported.	De minimus quantity
BN330	OPPOSITE OF	2522 WEST 16TH ST	NY Spills	Pole transformer leaked 4 gallons onto car and pavement.	De minimus quantity
BO331	MANHOLE 42364	WEST 20TH AND SURF AVE	NY Spills	One pint of oil on 70 gallons of water in manhole. PCBs<1 ppm. Cleanup completed.	De minimus quantity
BO332	MANHOLE #42364	SURF AV & W 20TH ST	NY Spills	One quart oil on 40 gallons water in manhole. No PCB results reported.	De minimus quantity
BM334	PROSCIA RESIDENCE	15 DANK CT	NY Spills	Citizien complaint of auto body shop oils; soil and gw samples indicate MTBE from "off site source."	Petroleum Exclusion
335	2940 OCEAN PARKWAY	2940 OCEAN PARKWAY	NY Spills	Called reported unknown oil spill washed down drain due to unspecified equipment failure. No action taken.	De minimus quantity
336	BEACH HAVEN APARTMENTS ASSOCIATES LLC	2611 WEST 2ND STREET	RCRA-LQG NY MANIFEST	Generator of ignitable and corrosive wastes, no violations found.	RCRA-regulated facility
BL337	ROAD	WEST 3RD ST, AVE Z	NY Spills	Diesel spill to street due to traffic accident.	Petroleum Exclusion
BL338	VAULT#2442	AVE Z AND WEST 3RD ST	NY Spills	Two gallons transformer oil on water in vault (10 gal unaccounted for). Unit record=10 ppm PCBs.	De minimus quantity
BP339	2006 SURF AVENUE	2006 SURF AVENUE	NY VCP	No further details.	Record does not identify a release
BP340	SOIL	2006 SURF AVE	NY Spills	Petroleum impacted soil encountered during redevelopment.	Petroleum Exclusion
341	CONEY ISLAND CREEK	WEST 22ND/BAY54TH ST	NY Spills	Diesel fuel leaked from tank truck into Coney Island Creek.	Petroleum Exclusion
BP342	RESIDENCE	2007 SURF AVE	NY Spills	100 gal #2 fuel oil discharged from mobile boiler, 20 gal to sewer.	Petroleum Exclusion
BP343	CONEY ISLAND SITE 1B (CAREY GARDENS)	2007 SURF AVENUE	NY LTANKS NY UST NY AST NY Spills	Numerous records regarding #2 fuel oil tanks and spills.	Petroleum Exclusion
344	INTERSECTION OF	WEST 22ND ST/NEPTUNE AVE	NY Spills	5-gallon red pail marked caution was removed.	Record does not identify a release
345	2483 WEST 16TH ST	2483 WEST 16TH ST	NY Spills	Fuel delivery hose leak to concret of #6 fuel oil.	Petroleum Exclusion
BQ346	CON ED	OCEAN PKWY & NEPTUNE AVE	NY Spills NY MANIFEST	Multiple spill records; all petroleum based materials.	Petroleum Exclusion
BQ347	APT HOUSE	3000 OCEAN PARKWAY	NY Spills	#6 fuel oil soil contamination under removed tank.	Petroleum Exclusion
348	NYC BD OF ED - ABRAHAM LINCOLN H S	2800 OCEAN PKWY	RCRA-VSQG NY MANIFEST	Generator of lead and mercury, no violations found.	RCRA-regulated facility
BR349	MANHOLE #TM2464	AVE Z/W 2ND ST	NY Spills	One gallon oil on 100 gallons water in manhole. PCBs=<1 ppm. Cleanup completed.	De minimus quantity
BR350	TM# 2464	NORTHSIDE AVE Z/WEST 2ND	NY Spills	Five gallons transformer oil on 10 gallons water in manhole. PCBs=41 ppm. Cleanup completed.	De minimus quantity
BS351	SPILL NUMBER 0205787	SHELL RD/AVENUE Y	NY Spills	Report of two abandoned drums of diesel fuel.	Record does not identify a release
BT352	BRIGHTEN BEACH AVE-OCEAN	BRIGHTON BEACH AVE OCEAN	NY Spills	Diesel spill to street.	Petroleum Exclusion
BT353	SPILL NUMBER 9814272	OCEAN PKY & BRIGHTON BEAC	NY Spills	Abandoned drum of unknown petroleum on ground overpacked by FDNY, small amount on ground.	De minimus quantity
354	VACANT SITE	2201 NEPTUNE AVE	NY Spills	Gasoline impacts from former USTs; SVOC contamination.	Petroleum Exclusion

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EDR Map ID	Site Name	Address	Databases	Comments	Reason Eliminated
355	EXCEL BRADSHAW MANAG GRO	2569 WEST SECOND ST	NY LTANKS	Post tank closure soil testing reveals PAHs consistent with urban fill.	Record does not identify a release
BU356	MANHOLE 1503	OCEAN PKWAY AND NEPTUNE AVENUE	NY Spills	One gallon oil on 20 gallons of water in manhole. PCBs=1,004 ppm.	De minimus quantity
357	HOME	100 BAY 50 ST	NY Spills	Unconfirmed spill of fuel oil to crawl space under residence.	Petroleum Exclusion
358	BROOKLYN AUTO SUPPLY COPR	26 COBEK COURT	NY Spills	Caller reported auto stripping businesss discharging oil to ground.	Petroleum Exclusion
359	SPILL NUMBER 0000957	2121 SHORE PARK WAY APT L	NY Spills	Caller reported "unknown fumes" from apartment building next door possible due to boiler replacement.	Petroleum Exclusion
360	2115 SURF AVE./CONEY ISLA	2115 SURF AVE.	NY Spills	18 abandoned drums mixed with trash.	Record does not identify a release
BT361	3100 OCEAN PKWY/BKLYN	3100 OCEAN PARKWAY	NY Spills	Oil and water spillage contained in basement.	Petroleum Exclusion
BT362	MAN HOLE 70574	OCEAN PARKWAY NORTH OF WEST BRIGHTON AVE	NY Spills	Two quarts dielectric fluid on 100 gallons of water in manhole. No PCB results reported.	De minimus quantity
BS363	SPILL NUMBER 0205405	SHELL RD & AVENUE Y	NY Spills	Two drums with diesel fuel reported, neither leaking	Record does not identify a release
BT364	MANHOLE 32826	10-11 BRIGHTON BEACH AVE	NY Spills	Two quarts oil on 55 gallons of water in manhole. PCBs=<1 ppm. Cleanup completed.	De minimus quantity
BU365	MH 1503	NEPTUEN AVE / OCEAN PARK	NY Spills	Two gallons oil on 100 gallons water in manhole. PCBs=7 ppm. Cleanup completed.	De minimus quantity
BV366	MANHOLE 64235	OCEAN VIEW AVE/OCEAN PKWY	NY Spills	One gallon oil on 300 gallons water in manhole. No PCB results reported.	De minimus quantity
BV367	MANHOLE #73165	OCEAN PARKY/OCEANVIEW AVE	NY Spills	Thrre pints oil on 500 gallons water in manhole. PCBs=<1 ppm. Cleanup completed.	De minimus quantity
BV368	MH 357250	OCEAN PKWAY/OCEAN VIEW	NY Spills	One pint oil on 300 gallons water in manhole. PCBs<1 ppm. Cleanup completed.	De minimus quantity
BV369	SPILL NUMBER 0100315	OCEAN PDWAY/OCEAN VIEW	NY Spills	Sheen on water in manhole.	De minimus quantity
370	NYCHA - CAREY GARDENS	2932 W 22ND ST	RCRA-VSQG FINDS ECHO NY MANIFEST NJ MANIFEST	Generator of corrosive wastes, no violations found.	RCRA-regulated facility
BW371	SB 23726	OCEAN PDWY AND BRIGHTON BEACH AVE	NY Spills	Motor oil in service box from damaged motorcycle.	Petroleum Exclusion
BW372	VS 6224	OCEAN PARKY/BRIGHTON AVE	NY Spills	One gallon of hydraulic oil in manhole from pump. Spill n ot related to electrical equipment.	Petroleum Exclusion
BW373	VAULT VS6224	OCEAN PARKWAY/BRIGHTON AV	NY Spills	Twenty gallons of dielectric fluid on 500 gallons of water in electrical vault. Cleanup pending sample results. Unit record=10 ppm PCBs.	De minimus quantity
BW374	MH 1565 EARTHEN SUMP & ONE PT OIL	BRIGHTON BEACH AVE & OCEAN PKY	NY Spills	One pint unknown petroleum spilled on earthen sump in manhole. No PCB results reported.	De minimus quantity
BX375	FIVE GAL OF HYDRAULIC FLUID FROM TRUCK 50491	CROPSEY AVE & BAY 49 STREET	NY Spills	Five-gallon leak of hydraulic oil from truck contained.	Petroleum Exclusion
BX376	ROADWAY	CROPSEY AVE & BAY 49 STREET	NY Spills	Trasmission fluid spill from traffic accident.	Petroleum Exclusion
BY377	MANHOLE #72976	AVE Y & W 3RD STREET	NY Spills	One pint dielectric fluid on 300 gallons of water in manhole. PCBs=<1 ppm. Cleanup completed.	De minimus quantity
BZ378	MH 36395	NEPTUNE AVE/W. 23RD ST	NY Spills	One-half gallon dielectric fluid leaked to manhole. No PCB results reported.	De minimus quantity

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379	CON EDISON - MANHOLE 73166	2975 OCEAN PARKWAY	RCRA-LQG	Generator of lead, no violations found.	RCRA-regulated facility
BZ380	SPILL NUMBER 0102225	23RD ST & NEPTUNE	NY Spills	Unspecified spill of paint to Jamaica Bay. USCG notified. Spill closed due to nature/exten of spill.	De minimus quantity
BZ381	WEST 23RD ST & NEPTUNE AVE	WEST 23RD ST & NEPTUNE AVE	NY LTANKS	Tank test failure and closure, no report of a release.	Record does not identify a release
CA382	RESIDENTIAL	2935 OCEAN PARKWAY	NY Spills	15 gallons #2 fuel oil out of vent pipe.	Petroleum Exclusion
CA383	HILLCREST REALTY	2935 OCEAN PARKWAY	NY LTANKS	Tank overfilled by oil company. Nine gallons fuel oil spilled.	Petroleum exclusion
CA384	APT BLDG	2935 OCEAN PARKWAY	NY Spills	#2 fuel oil tank overfill and #6 fuel oil in excavation.	Petroleum Exclusion
385	CONEY ISLAND WPCP	2727 OCEAN PKWY & C.I. WT	NY Spills	Fuel oil to treatment plant, nearby apartment building suspected source.	Petroleum Exclusion
BZ386	STORAGE BUSINESS	2306 NEPUNE AVE	NY Spills	Tank closures at service station. Phase 2 sampling reports gasoline and related products in GW (toluene, MTBE, xylenes).	Petroleum Exclusion
CB387	APARTMENT BLDG	3017 OCEAN PARKWAY	NY AST NY Spills	#2 fuel oil tank; spill to basement.	Petroleum Exclusion
CB388	CON EDISON	3039 OCEAN PARKWAY	NY AST	Fuel oil tank.	Record does not identify a release
			NY Spills	One pint of oil on 200 gallons of water in manhole. Cleanup pending sample results.	De minimus quantity
			NY MANIFEST	Waste Code D008 (lead) from unspecified source.	RCRA-regulated facility
BZ389	SUFSIDE MARINA	W. 22ND & W. 23RD STS	NY LTANKS	Garbage and raw sewage from mobile home.	Not CERCLA-eligible
BY390	W & P SVCE STATION INC	354 AVENUE Y	NY LTANKS NY UST	Gasoline tanks pressure test failure, but not leaks.	Record does not identify a release
391	FRIMAN CLEANERS	2901 OCEAN AVE	RCRA-VSQG NY Spills NY MANIFEST	Generator of spent halogenated solvents; no violations found; spill record boiler cleaning fluid runs to storm sewer.	RCRA-regulated facility
392	NYC BD OF ED - PUBLIC SCHOOL 212 K	87 BAY 49TH ST	RCRA-LQG NY MANIFEST	Generator of PCB wastes; no violations found.	RCRA-regulated facility
393	CAREY GARDENS II -NYCHA	2832 WEST 23RD ST	NY LTANKS NY Spills	Tank test failure revealed 0.06 gallons per hour leak of #2 fuel oil and contaminated soil from tank removal.	Petroleum Exclusion
394	MTA NYCT - BAY 50TH ST STATION - D LINE	BAY 50TH ST & STILLWELL AVE	RCRA-SQG NJ MANIFEST NY MANIFEST	Generates lead; no violations.	RCRA-regulated facility
CC395	GAS STATION	AVE Y/W. 3RD ST SE CORN	NY Spills	Caller complaint about "fumes" during gasoline delivery to gas station.	Record does not identify a release
CD396	MANHOLE 53063	WEST 23RD ST/MERMAID AV	NY Spills	One pint dielectric fluid on 150 gallons of water in manhole. PCBs=<1 ppm. Cleanup completed.	De minimus quantity
CD397	MH 36354	MERMAID AV/W 23RD ST	NY Spills	One quart of oil on 50 gallons water in manhole. PCBs=<1 ppm.	De minimus quantity
398	CON EDISON - MANHOLE 53062	2860 WEST 23RD ST	RCRA-LQG NY MANIFEST	Generator of lead; no violations.	RCRA-regulated facility
CC399	MANHOLE #72975	AVE Y & W 2ND STREET	NY Spills	One pint of oil on 100 gallons of water in manhole. PCBs=<1 ppm. Cleanup completed.	De minimus quantity
400	MANHOLE #53063	W. 23 ST & MERMAID AVE	NY Spills	Two quarts of oil on 300 gallons of water in manhole. PCBs=<1 ppm. Cleanup completed.	De minimus quantity
CE401	PS 721	64 AVENUE X	NY Spills	Freon leak from school air conditioner; HazMat determined no dangerous levels.	De minimus quantity
CF402	VAULT #6114	WEST 22ND ST/N OF SURF	NY Spills	One pint of oil on 700 gallons water in manhole. Cleanup pending sample results.	De minimus quantity

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CF403	VAULT #6089	WEST 22ND ST & SURF AVE	NY Spills	Unspecified amount of spilled to electircal vault.	De minimus quantity
CF404	VAULT 6075	W 22ND ST AND SURF AVE	NY Spills	Two gallons oil on 800 gallons water in electical vault. Cleanup pending sample results.	De minimus quantity
405	JOHN DEWEY HIGH SCHOOL	50 AVE X	RCRA-LQG NY AST FINDS ECHO	Generator of PCB wastes, ignitable wastes, corrosive wastes, lead, mercury, cyanides, sodium azide, ammonium vanadate; no violations found; AST of #4 fuel oil.	RCRA-regulated facility
406	129 OCEANVIEW AVENUE	129 OCEANVIEW AVENUE	NY AST NY Spills	#2 fuel oil tank and spill.	Petroleum Exclusion
407	VAULT VS6102	WEST 22ND ST	NY Spills	One pint transformer oil on 400 gallons water in electrical vault. PCBs=<1 ppm. Cleanup completed.	De minimus quantity
CG408	AT KINGS	SHELL RD AND BOUCK COURT	NY Spills	Five gallons power steering fluid spilled due to crash.	Petroleum Exclusion
CG409	NYC DEPT OF EDUCATION - PS 687K PRE-K CENTER	10 BOUCK CT	RCRA-SQG FINDS ECHO	Generator of PCB wastes; no violations found.	RCRA-regulated facility
CG410	10 BOUCK CT.	10 BOUCK CT	NY Spills	Oil flowing out of ground to sewer; deliberately dumped.	Petroleum Exclusion
CC411	EAGLE GAS	AVE Y & W 3RD STREET	NY Spills	Gasoline fumes complaint.	Record does not identify a release
CC412	EAGLE SERVICE STATION	366 AVE Y (WEST 3RD ST)	NY Spills	Gasoline discovered in sewer and MTBE contamination at former gas station.	Petroleum Exclusion
CC413	RAYON GASOLINE INC	366 AVENUE Y	NY LTANKS NY Spills	Gasoline-contaminated soil encountered upon removing tanks.	Petroleum Exclusion
CH414	CON EDISON - MANHOLE 59772	W. 8TH STREET & AVE X	RCRA-LQG NJ MANIFEST	Generator of lead; no violations.	RCRA-regulated facility
CH415	86117 MANHOLE	WEST 8TH ST AND AVE X	NY Spills	One quart lubricating oil in electrical vault. No PCB results reported.	De minimus quantity
CI416	2947 W 23RD., APT 6K	2947 W 23RD ST.	NY Spills	Housekeeping issue, 1992 record, no further info.	Record does not identify a release
CE417	SERVICE BOX 60448	63 AVE X	NY Spills	Five gallons of oil on 20 gallons water in electical service box, 1-oz. leaked to residence. No PCB results reported.	De minimus quantity
418	AVENUE Y AT WEST 3RD ST	AVENUE Y AT WEST 3RD ST	NY Spills	Caller reported unspecified vapors in sewer.	Record does not identify a release
CJ419	NYCT-AVENUE X STORAGE	CORNER OF AVENUE X AND	RCRA-LQG NJ MANIFEST NY MANIFEST	Generator of lead; no violations.	RCRA-regulated facility
CJ420	JOHN DEWY HIGHSCHOOL	AVE X/STILLWELL	NY Spills	Contaminated soil related to historical petroleum spill	Petroleum Exclusion
CJ421	VAULT VS 7238	SOUTH SIDE AVE X NEAR STILLWELL AVE	NY Spills	Seven gallons dielectric fluid on 1,500 gallons of water in electrical vault. Cleanup pending sample results.	De minimus quantity
CK422	NYCDOT BIN 2231360	BELT PKWY OVER OCEAN PKWY	RCRA-VSQG NJ MANIFEST NY MANIFEST	Generator of lead; no violations.	RCRA-regulated facility
CI423	CAREY GARDENS -NYCHA	2955 WEST 23RD ST	NY LTANKS NY Spills	Multiple #2 fuel oil leak records.	Petroleum Exclusion
424	NEPTUNE SHELL, INC	359 NEPTUNE AVENUE	NY UST NY AST NY Spills	Gasoline, #2 fuel oil, and waste oil tanks; soil and GW contaminated with gasoline and related products.	Petroleum Exclusion
CK425	BELT PKWY & OCEAN PKWY	BELT PKWY & OCEAN PKWY	NY Spills	Abandoned drums; marked haz waste sitting under parkway.	Record does not identify a release

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CK426	BELY PKWY/OCEAN PKWY	BELT PKWY/OCEAN PKWY	NY Spills	Abandoned drums, unknown petroleum, haz mat team removed.	Record does not identify a release
CI427	CON EDISON - VAULT SUBMERSIBLE VS4499	2946 W 23RD ST	RCRA-LQG	Generator of lead; no violations.	RCRA-regulated facility
CI428	CON EDISON - VAULT VS4457	2946 W 23RD ST	RCRA-LQG	Generator of lead; no violations.	RCRA-regulated facility
429	VAULT 6346	WEST 24TH ST/NEPTUNE AVE	NY Spills	Four ounces of oil on 400 gallons of water in electircal vault. PCBs=<1 ppm. Cleanup completed.	De minimus quantity
430	IN INTERSECTION	BOYNTON AVE. & AVE. X	NY Spills	Release of antifreeze from a commercial vehicle.	De minimus quantity
431	EXXONMOBILE	2795 CROPSEY AVENUE	NY Spills NY LTANKS	Gas station tank faulure.	Petroleum Exclusion
432	MANHOLE # 37280	OCEAN AVE. & BRIGHTON 1	NY Spills	Spill of 1 pint of oil in 400 gallons of water in manhole.	De minimus quantity
433	2808/2812 HARWAY AVE.	2808 OR 2812 HARWAY AVE.	NY Spills	Solvent odor from wooshop glue.	De minimus quantity
434	POLE 43185	2465 WEST 3 STREET	NY Spills	Spill of 6-oz. of dielectric fluid from an overhead transformer.	De minimus quantity
435	BETWEEN AVE W & AVE X	2369 WEST 11TH STREET	NY Spills	Approximately 1/2 gallon of gasoline spiiled on roadway as a result of a traffic accident.	Petroleum Exclusion
436	2882 BRIGHTON 3RD STREET	2882 BRIGHTON 3RD STREET	NY LTANKS	Residential release of home heating oil from a leaking fill line.	Petroleum Exclusion
437	OUTSIDE	2832 WEST 24TH STREET	NY Spills	Oil leaked onto street from a temporary boiler.	Petroleum Exclusion
438	MANHOLE 71217	W 24TH STREET/MERMAID AVE.	NY Spills	Spill of 2 gallons of oil 2,200 gallons of water. Sample = 1 ppm Aroclor-1260.	De minimus quantity
439	X	31-11 BRIGHTON FIRST PLACE	NY Spills	Residential fuel oil spill from equipment failure.	Petroleum Exclusion
440	SPILL NUMBER 8905426	2850 SHORE PARKWAY	NY LTANKS	Fuel oil spill from leaking tank. Tank repaired. Soil samples from 8-12 feet=VOCs and SVOCs acceptable for cleanup.	Petroleum Exclusion
441	POLE T-11	WEST 24TH STREET & MERMAID AVENUE	NY Spills	Release of 1 pint of dielectric fluid from a transformer.	De minimus quantity
442	BELT PARKWAY	BELT PARKWAY	NY Spills	Yellow/orange sheen from an unknown source observed on Gravesend Bay. Sheen investigated by U.S. Coast Guard. Sheen dissapated .	Unknown source
CL444	MANHOLE#42354	SURF AVENUE/WEST 23RD STREET	NY Spills	Spill of approximately 1 pint of oil on approximately 50 gallons of water. PCBs < 1 ppm. Cleanup completed.	De minimus quantity
CL445	ROADWAY/SEWER	SURF AVENUE/WEST 23RD STREET	NY Spills	Updated CL444 to transmission fluid.	Petroleum Exclusion
446	227 BRIGHTON AVENUE	277 BRIGHTON AVENUE, 2ND LANE	NY Spills	Interior residential #2 fuel oil leak from pump seal.	Petroleum Exclusion
447	AVE X AT	BOYTON AVENUE	NY Spills	Spilled soap (mistaken as antifreeze) at bus company facility near property boundary required response.	Non-hazardous material
CM448	STILLWELL YARD	2556 SHELL ROAD	RCRA-SQG	New York Transit Authority (NYTA)/Metro Transit Authority (MTA) railyard.	RCRA-regulated facility
CL449	CON EDISON - MANHOLE	2315 SURF AVENUE	RCRA-LQG NY MANIFEST	Generates lead-contaminated waste (RCRA Waste Code: D008).	RCRA-regulated facility
CN450	NYC DEPT. OF EDUCATION	2401 NEPTUNE AVENUE	NY Spills NY MANIFEST	Investigation indicated odor noted at the school coming from an adjacent creek was hydrogen sulfide due to anaerobic degredation of organic matter in the creek.	Naturally occurring release

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CN451	NYC DEPT. OF EDUCATION	2401 NEPTUNE AVENUE	RCRA-SQG FINDS ECHO	Generates petroleum from electrical equipment with PCBs greater than 50 ppm to less than 500 ppm; ignitable waste (D001), corrosive waste (D002), spent halogenated solvents (F002), spent non-halogenated sovents (F003).	RCRA-regulated facility
CM452	2556 MCDONALD AVENUE		NY Spills	NYTA maintenance facility. Self-reported 50 leaking pails of an unspecified substance. Pails were overpacked and cleaned up.	De minimus quantity
453	APARTMENT COMPLEX	2045 SHORE PARKWAY	NY Spills	Sewer overflow into basement.	Not CERCLA-eligible
454	ABLE BUS INC	2382 BOYNTON PLACE	RCRA-VSQG FINDS ECHO RI Manifest NY MANIFEST	School bus transportation facility that generates ignitable waste (D001) and tetrachloroethylene (D039).	RCRA-regulated facility
455	50 BRIGHTON 1ST ROAD		NY Spills	Unspecified release of petroleum to the Atlantic Ocean.	Petroleum Exclusion
CO456	MANHOLE 62992	OCEAN PARKWAY AT SHORE PARKWAY	NY Spills	Oil sheen on approximately 300 gallons of water. Cleanup completed.	Petroleum Exclusion
CO457	MAN HOLE 1509	OCEAN PARKWAY AT SHORE PARKWAY	NY Spills	One pint of unknown oil on initially 300 gallons of water contained within manhole. Due to water entering hole, tanker removed 2,300 gallons.	Petroleum Exclusion
CO458	EASTSIDE OD OCEAN PK	OCEAN PARKWAY AT SHORE PARKWAY	NY Spills	NYSDEC noted 2 5-gallon and 1 2-gallon containers of waste oil/used oil found	Petroleum Exclusion
CO459	ROADWAY	OCEAN PARKWAY AT SHORE PARKWAY	NY Spills	Two pints of coolant spilled on roadway. Spilled cleaned up.	De minimus quantity
CO460	OCEAN PKWY/SHORE PKWY	OCEAN PARKWAY AT SHORE PARKWAY	NY Spills	Two abandoned drums labeled "Hazardous Waste" noted as unknown petroleum.	Petroleum Exclusion
CO461	MANHOLE 1509	OCEAN PARKWAY AT SHORE PARKWAY	NY Spills	One pint of unknown oil on 300 gallons of water.	De minimus quantity
462	NYCHA - HABER	2955 WEST 24TH STREET	RCRA-SQG ICIS US AIRS NY MANIFEST	New York City Housing Authority (NYCHA) apartment complex. Waste types include ignitable waste (D001), lead (D008), and 2-4-dichlorophenoxyacetic acid (U240).	RCRA-regulated facility
463	OCEAN TERRACE OWNERS	2650 OCEAN PARKWAY	NY LTANKS NY UST	Residential apartment building fuel tank overfill due to incorrect gauge reading.	Petroleum Exclusion
CP464	TRI-TECH AUTO SERVICE	TRI-TECH AUTO SERVICE/EXXON	NY LTANKS	Gasoline tank 65-gallon overfill due to miscalculation.	Petroleum Exclusion
465	SPILL NUMBER 0201074	2519 WEST STREET #3	NY Spills	Gasoline odor at the gas station attributed to possible air release during delivery. Case referred to NYSDEC Air Division. Spill closed.	Petroleum Exclusion
CPP466	MOBIL OIL-S/S #17-ARH	2960 86TH STREET	NY LTANKS NY UST NY Spills RCRA NonGen / NLR US AIRS FINDS ECHO	Contaminated soil and sheen on groundwater observed during gas station UST removal. Petroleum-related VOCs dected. Site cleanup under State oversight.	Petroleum Exclusion
467	RESIDENCE	7 BRIGHTON 3RD ROAD	NY Spills	Residential leaking oil tank in basement. Spill cleaned up and tank repaired	Petroleum Exclusion
CQ468	MTA/NYCT - CONEY ISLAND YARK	AVENUE X & MCDONALD AVENUE	RCRA-LQG RAATS NJ Manifest	NYTA/MTA Coney Island rail yard.	RCRA-regulated facility

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CQ469	MTA/NYCT - CONEY ISLAND YARK	AVENUE X & MCDONALD AVENUE	RCRA-LQG FINDS	NYCT/MTA Avenue X Station F Line.	RCRA-regulated facility
CQ470	MTA/NYCT - CULVER LINE CHURCH AVENUE TO WEST 8	MCDONALD AVEUNE FOR CHURCH AVENUE	RCRA-SQG NJ Manifest	NYCT/MTA Culver Line - Church Avenue to West 8th Street.	RCRA-regulated facility
CQ471	CONEY ISLAND YARD	AVENUE X & MCDONALD AVENUE	NY Spills	Cut pipe on railcar released a reported 35 pounds of Freon.	De minimus quantity
472	2470 WEST 1ST STREET	2470 WEST 1ST STREET	NY LTANKS	Fuel oil tank test failure on 7,500-gallon commercial facility tank. Visible leak due possible broken vent line.	Record does not identify a release
CR473	ON PUBLIC STREET	2740 CROPSEY AVENEU	NY Spills	Tanker truck equipment failure resulted in release of 30 gallons of #4 fuel oil to road surface. Spill cleaned up.	Petroleum Exclusion
CS474	POLE #37946, 86A1810	2445 WEST 2ND STREET	NY Spills	Spill of 10 ounces of dielectric fluid due to lightening strike on a transformer.	De minimus quantity
475	99 BAY 47TH STREET	99 BAY 47TH STREET	NY Spills	A 275-gallon waste oil tank was abadoned on the side of the road. "Some oil" spilled on the street and was cleaned up by fire department. Tank was removed from the scene. Analysis indicated oil contained methy ethyl ketone (MEK), trichloroethylene, 4-methylphenol, Aroclor-1248, and arsenic.	Source removed
CR476	46TH STREET	CROPSEY AVENUE AND 46TH STREET	NY Spills	Transformer fire caused 1 quart of of oil to spill to cement sidwalk. Spill contained and cleaned up. Product contained 1 ppm PCBs.	De minimus quantity
CR477	VAULT # 7251	BAY 46TH STREET AND CROPSEY AVENUE	NY Spills	Approximately 3 gallons of oil on concerete floor from defective electrical equipment contained within vault.	De minimus quantity
478	APARTMENT BUILDING	115 BRIGHTWATER COURT	NY Spills	Caller reported spill of #4 fuel oil to basement. No evidence of spill on building exterior.	Petroleum Exclusion
479	SPILL NUMBER 0212628	2524 EAST 1ST STREET	NY Spills	Resident reportedly spilled gasoline filling lawnmower. NYCDEP found no spill.	Petroleum Exclusion
CS480	STREET	2435 WEST SECOND STREET	NY Spills	Two gallons of hydraulic oil spilled on street. Reportedly absorbed with saw dust.	Petroleum Exclusion
CT481	2965 GAS CORP	2965 86TH STREET	NY UST NY Spills	Impacts to soil and groundwater from nearby gas station(s) encountered during subsurface evaluation for new sewers. State is addressing contamination.	Petroleum Exclusion
CU482	SOUTH CRAB COMPARTMENT	WEST 24TH STREET/SURF AVENUE	NY Spills	Approximately 1 oz. of oil from unspecified source on 3,000 gallons of water.	De minimus quantity
CU483	NORTH CRAB COMPARTMENT	WEST 24TH STREET/SURF AVENUE	NY Spills	Analysis of oil showed <1.00 ppm PCBs. cleanup complete.	De minimus quantity
CU484	VAULT #5747	WEST 24TH STREET/SURF AVENUE	NY Spills	Sheen of oil observed on 350 gallons of water in transformer vault. Spill contained in vault.	De minimus quantity
CU485	TRANSFORMER VAULT VS5747	WEST 24TH STREET/SURF AVENUE	NY Spills	1 oz. of oil on 1,800 gallons of water in transformer vault. Transformer record showed 12 ppm PCBs	De minimus quantity
CU486	TRANSFOR VAULT #VS576	WEST 24TH STREET/SURF AVENUE	NY Spills	Cleanup complete, incident closed.	De minimus quantity
CU487	VS 5762	WEST 24TH STREET/SURF AVENUE	NY Spills	Update on above, water removed by tanker.	De minimus quantity
CU488	TRANSFORMER VAULT VS5808	WEST 24TH STREET/SURF AVENUE	NY Spills	Related to above, incident closed.	De minimus quantity
489	SPILL NUMBER 9815567	250 BRIGHTON BEACH AVENUE	NY LTANKS	Tank test failure. Replaced gasked, retested, and passed.	Record does not identify a release

TABLE 1
RECORDS INELIGIBLE FOR CONSIDERATION UNDER CERCLA.

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490	MANHOLE #363348	WEST 25TH STREET & MERMAID AVENUE	NY Spills	Two quarts of oil on 200 gallons of water.	De minimus quantity
491	2324 WEST 13TH STREET	2324 WEST 13TH STREET	NY LTANKS	Tank test failure due to bung hole on top of tank not properly closed. Low levels of petroleum-related VOCs and SVOCs in soil and groundwater.	Petroleum Exclusion
CV492	CURTIS RESIDENCE	2620 OCEAN PARKWAY	NY LTANKS	Residential tank test failure. Tank repaired, no contamination.	Record does not identify a release
CT493	NYC POLICE DEPARTMENT	2556 MCDONALD AVENUE	RCRA-LQG ECHO	NYC Police Department firing range compliance inspection. RCRA Waste Code: D008 (Lead). No violations noted.	RCRA-regulated facility
CV494	MANHOLE #73476	OCEAN PARKWAY & MURDOCK COURT	NY Spills	One gallon of oil on 200 gallons of water.	De minimus quantity
CV495	CON EDISON - MANHOLE 73118	OCEAN PARKWAY & MURDOCK COURT	RCRA-LQG	RCRA Waste Code D008 (lead) from unspecified source.	RCRA-regulated facility
496	TM #606	BRIGHTON 2 & BRIGHTON BEACH	NY Spills	Sheen observed on 400 gallons of water suspected to be releated to fried chicken restaurant that leaves waste on the sidewalk. Cleanup completed.	Not CERCLA-eligible
497	SPILL NUMBER 9803164	OCEAN PARKWAY @ AVENUE Z	NY Spills	Sixty-gallon release of petroleum from a traffic accident involving a tractor trailer. Spill contained.	Petroleum Exclusion
CW498	BASEMENT	315 OCEAN VIEW AVENUE	NY Spills	Residential fuel oil spill in basement due to disconnected fill line. Spill contained and cleaned up.	Petroleum Exclusion
CW499	315 OCEAN VIEW AVENUE	315 OCEAN VIEW AVENUE	NY Spills	Spill report created for tracking purposes related to NYSDEC's Hurricane Sandy response.	Record does not identify a release
CX500	COMMAND HOLE 73476	OCEAN PARKWAY/MURDOCK COURT	NY Spills	One quart of oil on 200 gallons of water. Spill contained to manhole and cleanup complete.	De minimus quantity
501	3100 BRIHGTON END STREET	3100 BRIGHTON END STREET	NY Spills	Suspected petroleum sheen observed on Atlantic Ocean. Coast Guard to investigate.	Unknown source
502	MANHOLE 59275	AVENUE Y/E 1ST STREET	NY Spills	One quart of oil on 200 gallons of water. Spill contained in manhole and cleaned up.	De minimus quantity
503	APARTMENT BUILDING	2015 SHORE PARKWAY	NY Spills	Spill of 7-8 gallons of fuel oil from mobile boiler. Spill contained on concrete and cleaned up.	Petroleum Exclusion
CY504	SANDY FOLLOW UP	2950 WEST 25TH STREET	NY AST NY Spills	Release of fuel oil in NYC Department of Education facility basement and boiler room as a result of Hurricane Sandy. Cleanup in progress.	Petroleum Exclusion
CY505	NYC DEPT OF EDUCATION - PS 288K	2950 WEST 25TH STREET	RCRA-SQG NY MANIFEST	Waste Codes B004 (PCB material 50-<500 ppm) and B007 (other PCB wastes).	RCRA-regulated facility
506	SPECIAL HOSPITAL	NONE SPECIFIED	FUDS	Unspecified former used defense site.	Record does not identify a release
CX507	OCEAN PARKWAY 365" SOUTH	OF AVENUE Z	NY Spills	Leak of approximately 2 gallons of tranformer oil. 29 ppm of PCBs detected. Spill cleaned up.	De minimus quantity
508	RESIDENTIAL	62 BAY 47TH STREET	NY Spills	Residential sewage release.	Not CERCLA-eligible
509	POLE 63537	2877 WEST 27TH STREET	NY Spills	One quart of oil leaked from an overhead transformer. Spill contained to concrete and cleaned up.	De minimus quantity
510	3101 BRIGHTON	3101 BRIGHTON 2ND STREET	NY Spills	Fuel oil spill to basement of residential apartment building during delivery. Spill addrssed by building management.	Petroleum Exclusion

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511	SPILL NUMBER 9812749	2701 CROPSEY AVENUE	NY LTANKS	Residential spill of fuel oil due to overfilled tank.	Petroleum Exclusion
CZ512	214787; BAY 47TH STREET AND BATH AVENUE	BAY 47TH STREET AND BATH AVENUE	NY Spills	Unspecified petroeum spill in a Con Edison facility.	De minimus quantity
CZ513	MANHOLE# 63329	BAY 47TH STREET AND BATH AVENUE	NY Spills	Update for CZ512 - 1 gallon of unknown petroeum in manhole. Cleanup in progress.	De minimus quantity
514	MANHOLE 59530	287-289 AVENUE X	NY Spills	Spill of approximately 3 gallons of unknown oil on 400 gallons of water contained within manhole. Cleanup pending sample results.	De minimus quantity
DA515	EAGLE GAS STATION	292 NEPTUNE AVENUE	NY Spills	Excavation for gas station UST removal revealed soil and groundwater contamination. Further investigation confirmed petroeum plume at site. NYSDEC involved.	Petroleum Exclusion
DA516	V877 SUBMERSABLE VAULT	NEPTUNE AVENUE/E 5TH STREET	NY Spills	Suspected petroleum sheen on 200 gallons of water. Spill contained to vault and cleaned up.	De minimus quantity
DB517	MANHOLE 73117	AVENUE Z & OCEAN PARKWAY	NY Spills	Approximately 1 pint of oil on approximately 150 gallons of water. Water entering through earthen sump. Cleanup was pending deenergizing equipment.	De minimus quantity
DC518	29 AVENUE W	29 AVENUE W	NY Spills	Caller to NYDEC reported sand blasting on building suspected of being painted with lead-based paint.	De minimus quantity
DC519	AVENUE W @ STILLWELL AVENUE	AVENUE W @ STILLWELL AVENUE	NY Spills	Ten gallons of transformer oil on 25 gallons of water. Spill contained and cleaned up.	De minimus quantity
DD520	CONEY ISLAND GARAGE DPR-DDC	WEST 25TH STREET & SURF AVENUE	NY LTANKS	Petroleum leak due to tank failure at a NYC Parks Department facility.	Petroleum Exclusion
DD521	CONEY ISLAND GARAGE DPR-DDC	WEST 25TH STREET & SURF AVENUE	NY Spills	Groundwater investigation and remediation related to DD520	Petroleum Exclusion
DD522	CONEY ISLAND GARAGE DPR-DDC	WEST 25TH STREET & SURF AVENUE	NY LTANKS	Tank test failure related to DD520.	Petroleum Exclusion
DD523	CONEY ISLAND GARAGE DPR-DDC	WEST 25TH STREET & SURF AVENUE	NY Spills	Petroleum spill resulted from delivery to wrong fill line. Spill contained to concrete.	Petroleum Exclusion
DB524	CONEY ISLAND HOSPITAL	2619 OCEAN PARKWAY	NY Spills	A vault containing a tank of an unknown fuel was encountered during constrction drilling at 5 to 6 feet below grade. A sheen and odor were noted. Tank removed and spill closed.	De minimus quantity
DE525	IN THE ROADWAY	2484 MCDONALD AVENUE	NY Spills	Auto repair shop reportedly working on cars and handeling motor oil in the street. No report of a release.	Record does not identify a release
DF526	ABANDONED DRUMS ACROSS FROM 2940 BRIGHTON 5TH STREET	2940 BRIGHTON 5TH STREET	NY Spills	Report of abandoned drums of suspected used oil on 1/27/2012. Drums not found for pickup on 2/2/2012. NYSDEC case closed.	Record does not identify a release
DC527	MANHOLE 5354	3RD AVENUE WEST SIDE	NY Spills	Leak of 0.25-gallon of oil from manhole electrical duct. Spill contained in manhole. Analysis indicated 11 ppm PCBs. Spill cleaned up.	De minimus quantity
528	219 BRIGHTWATER CT/BKLYN	219 BRIGHTWATER COURT	NY Spills	Unspecified spill of #2 fuel oil contained to boilerroom. Vac truck dispatched for cleanup.	Petroleum Exclusion
DB529	INTERSECTION	AVENUE Z/OCEAN PARKWAY	NY Spills	Spill of three quarts of power steering fluid at a NYC transit depot. One pint to strom drain, reportedly contained.	Petroleum Exclusion
DD531	HABER HOUSES (CAREY GARDENS)	3033 WEST 25TH STREET	NY LTANKS NY UST NY Spills	Petroleum-contaminated soil discovered during UST removal at NYCHA complex. Minor impacts to soil and no impact to groundwater.	Petroleum Exclusion
DF532	CONSTRUCTION SITE	2929 BRIGHTON 5TH STREET	NY Spills	Leak of hydraulic oil from commercial vehicle.	Petroleum Exclusion

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533	PRIVATE RESIDENCE	2966 BRIGHTON 5TH STREET	NY Spills	Hurrican Sandy follow-up. No petroleum release observed.	Record does not identify a release
DD534	CONEY ISLAND MAINT GARAGE	3026 WEST 25TH STREET	NY Spills	Spill was associated with a discharge from a 55-gallon drum of gasoline as a result of Hurricane Sandy at NYC Parks Department facility. Impacted sand removed.	Petroleum Exclusion
DA535	2911 BRIGHTON STREET	2911 BRIGHTON STREET	NY Spills	Spill of 5 gallons of #2 fuel oil when delivery driver disconnected hose from fill pipe. Cleanup complete.	Petroleum Exclusion
DG536	NYC WILLIAM GRADY HIGH SCHOOL	25 BRIGHTON 4TH ROAD	RCRA-SQG NJ Manifest NY MANIFEST	Waste types include D008 (lead and D009 (mercury) from unspecified sources. No violations found.	RCRA-regulated facility
DG537	WILLIAM E BRADY	25 BRIGHTON 4TH ROAD	NY Spills	Spill of 100 gallons of fuel oil from a temporary AST as a result of failed overfill shutoff valve. NYFD responded to spill. NYCDEP responded to impacted strom drain.	Petroleum Exclusion
DB538	CON EDISON - VAULT SUMMERSIBLE VS6609	2601 OCEAN PARKWAY	RCRA-LQG	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
DB539	CONEY ISLAND HOSPITAL	2601 OCEAN PARKWAY	RCRA-LQG NY MANIFEST	Waste types include ignitables, various metals, spent halogenated and non-halogenated solvents, and various P- and U-listed wastes.	RCRA-regulated facility
DB540	CONEY ISLAND HOSPITAL	2601 OCEAN PARKWAY	NY LTANKS NY AST NY Spills	Fuel oil tank test failure. Minor release through pin holes in tank bottom cleaned up.	Petroleum Exclusion
541	SPILL NUMBER 0101914	2728 BATH AVENUE	NY Spills	Resident punctured refrigerator freon line resulting in release.	De minimus quantity
542	RITE AID # 02612	344 AVENUE X	RCRA-VSQG NY MANIFEST	Waste types include ignitables; corrosives; and various metals, P- and U-listed wastes. No violations found.	RCRA-regulated facility
543	27TH AVENUE	27TH AVENUE @ HARWAY AVENUE	NY Spills	Antifreeze release from overheated commercial vehicle.	Not CERCLA-eligible
544	IFO (SERVICE BOX #36343)	2715 MERMAID AVENUE	NY Spills	Ten gallons of oil released to 10 gallons water within Con edison vault. Spill contained and cleaned up.	De minimus quantity
DH545	CON EDISON - MANHOLE	2352 WEST 8TH STREET	RCRA-LQG	Waste type is D008 (lead). No violations found.	RCRA-regulated facility
DH546	MANHOLE # 59773	2352 WEST 8TH STREET	NY Spills	One gallon of oil on 20 gallons of water. Spill contained to manhole and cleaned up.	De minimus quantity
DH547	DRUM RUN	2352 WEST 8TH STREET	NY Spills	Resident reported of three abandoned drums, one of flammable liquid, two of petroleum recovered from Manhole # 59773. NYCDEP removed flammable drum, other two scheduled for pick up.	Record does not identify a release
DI548	RESIDENCE OF ELDERLY	88 BAY 46TH STREET	NY Spills	Resident report of neighbor discharging unknown liquid to holes dug in the ground, some of the liquid discharged to caller's garden. Soil sample from garden indicated unspecified SVOCs, barium, and lead above typical background levels.	De minimus quantity
DJ549	CONSTRUCTION SITE	3026 WEST 25TH STREET	NY Spills	Petroleum release discovered during diesel and gasoline UST removal. Impacts to soil and groundwater, including free-phase product observed on groundwater. Release being addressed under NYSDEC oversight.	Petroleum Exclusion

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550	VAULT 2805	2601 OCEAN PARKWAY	NY Spills	Oil sheen observed on 200 gallons of water in electrical vault. Water removed with vac truck, vault washed.	De minimus quantity
551	LAKE STRREET / AVENUE W	LAKE STREET / AVENUE W	NY Spills	Unspecified quantity of suspected petroleum observed in storm sewer.	Petroleum Exclusion
DI552	ZINCINZO LUPO	82 BAY 46TH STREET	NY Spills	Report due to neighbor dispute. Caller stated "a mold-like petro substance from the neighboring property is entering the caller's address."	Record does not identify a release
553	DRUMS OF OIL	3022 BRIGHTON 5TH STREET	NY Spills	Drums of oil reported on commercial property. Drums were transported off-site under manifest. "Small amount" observed on ground surface.	Petroleum Exclusion
554	MANHOLE #36383	NEPTUNE AVENUE & WEST 28TH STREET	NY Spills	One quart of oil released to 500 gallons of water. Various Aroclors detected. Spill contained and cleaned up.	De minimus quantity
DK555	FONG RESIDENCE	2890 BRIGHTON 6TH	NY Spills	Spill report created for tracking purposes related to NYSDEC's Hurricane Sandy response. Remarks indicate resident's fuel oil tank needs a pump.	Record does not identify a release
DK556	LEE PROPERTY	2892 BRIGHTON 6TH	NY Spills	Spill report created for tracking purposes related to NYSDEC's Hurricane Sandy response. Remarks indicate resident's fuel oil tank was pumped out.	Record does not identify a release
DL557	OCEANVIEW TOWERS, INC.	2652 CROPSEY AVENUE	NY LTANKS NY UST	Tank test failure and evacuation. No release reported.	Record does not identify a release
558	SURFSIDE - NYCHA	2926 WEST 27TH STREET	NY LTANKS	Tank test failure. Replaced gasked, retested, and passed.	Record does not identify a release
DL559	BAY 44TH & CROPSEY AVENUE	BAY 44TH AND CROPSEY AVENUE	NY Spills	Report of abadoned drum of unknown contents. No drum found by NYCDEP.	Record does not identify a release
DL560	VAULT 3239	BAY 44TH AND CROPSEY AVENUE	NY Spills	One gallon of oil on 20 gallons of water. Spill contained to vault.	De minimus quantity
DJ561	VAULT 3996	SURF AVENUE/WEST 25TH STREET	NY Spills	One gallon of oil on 200 gallons of water.	De minimus quantity
562	OCPARD ENTERPRISES	769 AVENUE Z	NY Spills	Tank test failure and minor release from associated piping.	Petroleum Exclusion
563	CON EDISON - MANHOLE	2565 OCEAN PARKWAY	RCRA-LQG	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
564	2653 MILL ROAD	2653 MILL ROAD	NY Spills	Annonymous caller reported "smell of oil in air." No confirmation of air release, spill closed.	Record does not identify a release
DK565	UNDERGROUND VAULT	NEPTUNE AVENUE & BRIGHTON 6TH STREET	NY Spills	Six gallons of dielectric fluid released from transformer. Transformer removed, splill contained to vault.	De minimus quantity
566	2367 WEST 1ST STREET	2367 WEST 1ST STREET	NY Spills	Unspecified report, no details recorded.	Record does not identify a release
DM567	NYC DEPARTMENT OF EDUCATION	350 AVENUE X	RCRA-SQG NY Spills	Waste Codes B004 (PCB material 50-<500 ppm) B007 (other PCB wastes), and D008 (lead). No violations found. Spill report for sheen observed on puddle that was attributed to dumpster removal. NYFD tested and determined not petroleum and flushed into storm drain.	De minimus quantity
DN568	SPILL NUMBER 0100145	BRIGHTON 6TH STREET & BANNER AVENUE	NY Spills	Hydraulic line failure resulted in release of 10-oz. spill of hydraulic fluid.	Petroleum Exclusion

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569	MANHOLE 2852	2762 BRIGHTON 6TH STREET	NY Spills	Oil sheen of unknown origin (transformer test OK) on 80 gallons of water. Cleanup completed.	De minimus quantity
570	CON EDISON - MANHOLE	507 AVENUE Y	RCRA-LQG	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
DN571	MAN HOLE # 59865	BANNER AVENUE/6TH STREET	NY Spills	Unspecified quantity of oil released to 200 gallons of water confined to manhole. PCBs=170 ppm.	De minimus quantity
DO572	CON EDISON VAULT # 5	WEST 28TH STREET & MERMAID AVENUE	NY Spills	Spill of approximately 30 gallons of oil contained in concrete vault, believed to have been caused by intrusion of tidal water.	De minimus quantity
DO573	CON EDISON VAULT #58	WEST 28TH STREET & MERMAID AVENUE	NY Spills	Update for DO572 - source of spill may have been transformer (pressure test required), or motor oil cans found in vicinity.	De minimus quantity
DM574	AN JO CLEANERS	343 AVENUE X	RCRA-VSQG FINDS ECHO RI Manifest NY MANIFEST	Active dry cleaners. Waste Codes D001 (ignitable waste), F002 (spent halogenated solvents). No violations found. No report of unpermitted releases or environmental investigations.	RCRA-regulated facility
575	63-81 MANHATTAN QUART	63-81 MANHATTAN QUART	NY LTANKS	Tank test failure and petroleum leak from manhole gasket. Gasket replaced.	Petroleum Exclusion
DP576	WATERS RESIDENCE	2853 BRIGHTON 6TH STREET	NY Spills	Caller reported a chemical was eroding the foundation of her home. NYSDEC inspection revealed no sign of chemical or petroleum contamination. May be attributable to construction on adjacent property.	Record does not identify a release
DP577	WATERS HOME	2849 BRIGHTON 6TH STREET	NY Spills	Update to DP576 - properties on both side of subject residence under construction.	Record does not identify a release
DP578	CON EDISON - VAULT 4	245 NEPTUNE AVENUE	RCRA-LQG	Waste Codes B002 (petroleum oil or other liquid 50 ppm - <500 ppm PCBs) and D008 (lead). No violations found.	RCRA-regulated facility
579	VAULT #TM29668	BRIGHTON BEACH AVENUE AND 4TH	NY Spills	Fifteen gallons of dielectric fluid discovered in transformer vault. Analysis =23 ppm PCBs. Additional oil observed seeping into vault through concrete from impacted soil. Impacted soil removed and vault repaired.	De minimus quantity
DQ580	MAN HOLE # 40673	SHORE PARKWAY/BRIGHTON 6TH	NY Spills	Oil sheen observed on 200 gallons of water in electrical vault. Water removed with vac truck, vault washed.	De minimus quantity
DR581	IN AREA OF 2417 EAST 1ST STREET	2417 EAST 1ST STREET	NY Spills	Duplicate report for DM567.	De minimus quantity
582	MARLBORO HOUSES	2257 WEST 11TH STREET, BLDG. 13	NY Spills	Pumping of sewage from basement of apartment building.	Not CERCLA-eligible
583	MANHATTAN CT & OCEAN PKWY	MANHATTAN CT & OCEAN PKWY	NY Spills	Sheen found on water in manhole. Spill cleaned up. No cause reported.	De minimus quantity
DS584	VS 6130	SHORE PKWY/NO. BAY 44TH	NY Spills	One quart of oil on 110 gallons of water in transformer vault.	De minimus quantity
DS585	PARK CONSTRUCTION	BAY 44TH STREET AND SHORE PARKWAY	NY Spills	Spill of 30 gallons of diesel fuel from an overturned dump truck. Spill and impacted soil cleaned up.	Petroleum Exclusion
DQ586	SANDY FOLLOW UP	2727 BRIGHTON 6TH STREET	NY Spills	Resident indicated fuel oil tank was pumped out and is now in use. No leaks.	Record does not identify a release
DT587	UNKNOWN	AVENUE X & EAST 2ND STREET	NY Spills	Spill closed due to insufficient data.	Record does not identify a release
DT588	MANHOLE 59276	AVENUE X & EAST 2ND STREET	NY Spills	Approximately 1 quart of oil from electrical equipment on 300 gallons of water. Spill cleaned up.	De minimus quantity

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DU589	MH 37291	OCEAN AVENUE AND BRIGHTON 6TH	NY Spills	One-half gallon of oil on 200 gallons of water in manhole. cleanup completed.	De minimus quantity
DR590	MANHOLE 59276	AVENUE X/2ND STREET	NY Spills	One quart of oil on 100 gallons of water in manhole. Spill contianed to manhaole and cleaned up.	De minimus quantity

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DU591	PUBLIC SCHOOL 253 - BROOKLYN (K253)	601 OCEANVIEW AVENUE	NY UST NY Spills	Spill of 5 gallons of fuel oil due to human error. Spill cleaned up and impacted soil removed.	Petroleum Exclusion
DU592	PS 253K SCHOOL	601 OCEAN VIEW AVENUE	RCRA-LQG NY MANIFEST	Waste Codes B004 (PCB articles 50 - < 500 ppm), B007 (other PCB wastes), and D008	RCRA-regulated facility
DS593	VS #6095	SHORE PARKWAY & BAY 44TH STREET	NY Spills	One gallon of oil on 3 gallons of water in electrical vault. PCBs=24 ppm. Spill contained to vault and cleaned up.	De minimus quantity
594	DRUM RUN	266 AVENUE W	NY Spills	A 5-gallon pail of used motor oil was left on the street. NYCDEP overpacked the bucket and was later pumped out by NYC Santitation. No release observed.	Record does not identify a release
DV595	GETTY	231 NEPTUNE AVENUE	NY UST NY Spills	Former gas station USTs removed under NYSDEC supervision prior to site	Record does not identify a release
596	MH # 62162 HAS ONE PINT	27 & BATH AVENUES	NY Spills	One pint of oil observed in manhole. No additonal details.	De minimus quantity
DW597	62-80 BRIGHTON CT	62-80 BRIGHTON COURT	NY Spills	Gasket failure in 3,000-gallon fuel oil UST. Gasket repaired, no release reported.	Record does not identify a release
598	PRIVATE RESIDENCE	163 BAY 44TH STREET	NY Spills	Resident complaint of neighbor dismantling refrigerators to be sold for scrap, releasing Freon in the process. No resolution reported.	De minimus quantity
DX599	RESIDENCE	2819 MERMAID AVENUE	NY LTANKS	Leaking fuel oil AST in basement of private residence. Spill addrssed by fuel oil supplier. Spill cleaned up and tanks pumped out and removed.	Petroleum Exclusion
600	SPILL NUMBER 8805112	2980 WEST 28TH STREET	NY Spills	Petroleum release from 15,000-gallon commercial UST. Direct-push sampling delinated contamination. Decommisioning of tank revealed holes in the side. cleanup pending.	Petroleum Exclusion
DY601	3094 BRIGHTON 5TH STREET	3094 BRIGHTON 5TH STREET	NY Spills	Resident was pumping water from basement where a fuel oil tank was leaking. Issued summons by FDNY. NYSDEC-hired contractor pumped out basement and tank. Incident catgorized as "Sandy-Related"	Petroleum Exclusion
DY602	MORNINGSIDE REALTY	3094 BRIGHTON FIVE STREET	NY LTANKS	Update to DY601 - tank repaired and retested, and passed. NYSDEC requested test results and confirmation of no contamination.	Record does not identify a release
603	2730 SURF AVENUE	2730 SURF AVENUE	NY Spills	Spill report created for tracking purposes related to NYSDEC's Hurricane Sandy response. Fuel oil tank pumped out. No release reported.	Record does not identify a release
604	BASEMENT	3091 BRIGHTON AVENUE	NY Spills	NYSDEC responded to report of oily water in basement of apartment building. NYSDEC observed a sheen and determined that flooding from Hurricane Sandy shifted tank 5 to 10 feet. Tank passed tightness test after pump out.	Petroleum Exclusion
605	ABANDONED LOT	BAY 44TH/SHORE PARKWAY	NY Spills	Two abandoned 55-gallon and one 85-gallon drum of used oil were reported. One of the drums was leaking. Drums added to drum run (i.e., scheduled for pick up).	Petroleum Exclusion

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606	PVT HOME	2730 BRIGHTON 7TH STREET	NY Spills	Spill report created for tracking purposes related to NYSDEC's Hurricane Sandy response. Fuel oil dischraged from abandoned house to rear yard and migrating to adjacent property. Except for 175 gallons removed, no additional information on response.	Petroleum Exclusion
DV607	VAULT 4886	BRIHGTON 7TH STREET	NY Spills	Five gallons of oil observed on 75 gallons of water in transformer vault. PCBs <1 ppm. Cleanup complete.	De minimus quantity
DW608	MANHOLE 35304	BRIGHTON COURT	NY Spills	One gallon of dielectric fluid leaked onto floor of manhole. PCBs=32ppm. Cleanup completed.	De minimus quantity
DX609	2827 MERMAID AVENUE	2827 MERMAID AVENUE	NY Spills	Spill report created for tracking purposes related to NYSDEC's Hurricane Sandy response. NYSDEC pumped out 600 gallons of residential fuel oil.	Record does not identify a release
610	FIVE GALLONS OIL IN MH 62163	IN FRONT OF # 55 27 AVENUE	NY Spills	Five gallons of oil on top of 15 gallons of water in manhole. Portion of water fraction released to street during pump out.	De minimus quantity
611	NYCDEP - FORCE MAIN UPGRADE CMJV DEP FIELD OFFICE	2797 86TH STREET 2ND FLOOR	RCRA-LQG NJ Manifest	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
612	241 BAY 43 STREET	241 BAY 43 STREET	NY Spills	Minor gas leak from parked automobile. FDNY responded and observed only staining, no gas recovered.	Petroleum Exclusion
613	PRIVATE HOME	5 PARKWAY COURT	NY Spills	NYSDEC responded to report of heating oil spilled in backyard. No signs of spill noted by NYSDEC during site visit. Case closed.	Record does not identify a release
614	BUCKET IN SMALL DRUM	AVENUE W/STRYKER STREET	NY Spills	Caller reported a bucket of transmission fluid left on street corner uncovered. Bucket was overpacked and assinged to drum run. No report of a release.	Record does not identify a release
615	PRIVATE RESIDENCE	2839 BRIGHTON 7TH	NY Spills	Spill report created for tracking purposes related to NYSDECs Hurricane Sandy response. Basement tank with water/oil mix needs pupout.	Record does not identify a release
616	3145 BRIGHTON & 4TH STREET	3145 BRIGHTON & 4TH STREET	NY Spills	Petroleum spill from leak in fill line. Chracterized as ongoing problem since 1990. Site referred to NYSDEC from EPA.	Petroleum Exclusion
DX617	MANHOLE 71777	WEST 29TH STRRET & MERMAID AVENUE	NY Spills	One quart of oil on 400 gallons of water in manhole. <1 ppm PCBs. cleanup was pending moving vehicle blocking manhole.	De minimus quantity
DX618	MANHOLE 36339	MERMAID AVENUE & WEST 29TH STREET	NY Spills	Update to DX617 - oil was on 700 gallons of water. cleanup completed.	De minimus quantity
DX619	INTERSECTION 129TH AND MERMAID	INTERSECTION 129TH AND MERMAID	NY Spills	One gallon of oil on 200 gallons of water in unspecified Con Edison facility. cleanup pending.	De minimus quantity
620	ROADWAY	2240 WEST 6TH STREET	NY Spills	Oil stain on roadway 1-foot wide and 2 blocks long attributed to leaking car. Sanitiation Department called to repond.	Petroleum Exclusion
621	2672 HUBBARD STREET	2672 HUBBARD STREET	NY Spills	Steam cleaning of building reported to result in "heavy fumes" and a residue on the ground. No response reported.	Not CERCLA-eligible
DZ622	MANHOLE 71777	WEST 29TH STREET/MERMAID AVENUE	NY Spills	Update to DX617 - oil was on 300 gallons of water. <1 ppb PCBs	De minimus quantity
DZ623	MANHOLE 71777	WEST 29TH STREET + MERMAID AVENUE	NY Spills	NYSDEC Memo summarizing response and conditions for Manhole 71777	De minimus quantity

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624	CON EDSION - MANHOLE	SHORE PARKWAY AND HUBBARD STREET	RCRA-LQG	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
625	ROADWAY	AVENUE Z AND EAST 6TH STREET	NY Spills	Five to ten gallons of hydraulic oil spilled to pavement due to equipment failure. cleanup completed.	Petroleum Exclusion
626	AVEX MEDICAL	400 AVENUE X 1ST FLOOR	NY Spills	Release of 3 mL of mercury from broken blood pressure guage. Spill below reporting limit and closed as no impact to soil or groundwater.	De minimus quantity
DZ627	CON EDISON - VAULT S	2900 MERMAID AVENUE	RCRA-LQG	Waste Code B002 (Petroleum oil or other liquid 50-<500 ppm PCBs or unknown conc.). No violations found.	RCRA-regulated facility
DZ628	VAULT ZS5234	2900 MERMAID AVENUE	NY Spills	Five onces of oil observed on 500 gallons of water during transformer replacement. Spill cleaned up.	De minimus quantity
629	SPILL NUMBER 9900931	2226 WEST 7TH STREET	NY Spills	Report states strong odor of unknown chemical in basement. No release reported.	Record does not identify a release
EA630	MANHOLE 37294	BRIGHTON 7TH/OCEAN VIEW	NY Spills	Two gallons of oil on 200 gallons of water in manhole. PCBs=34 ppm. Cleanup completed.	De minimus quantity
EA631	MANHOLE 37294	BRIGHTON 7TH/OCEAN VIEW	NY Spills	Update for EA630 - spill was 2 quarts of oil on 50 gallons water from leaking cable lines.	De minimus quantity
EA632	CON ED	BRIGHTON 7TH/OCEAN VIEW	NY Spills	Release of 3 gallons of hydraulic fluid from Con Ed cable truck. Fluid migrated to storm drain and washed away by rain. Storm drain and street cleaned.	Petroleum Exclusion
633	LEAKING AERIAL XFMR 3350	IN FRONT OF 437 LAKE STREET	NY Spills	Two quarts of transformer oil leaked to sidwalk from overhead transformer. Spill cleaned up.	De minimus quantity
634	RESIDENCE	2642 HUBBARD STREET	NY Spills	Faulty fill line on interior residential fuel oil tank resulted in minor staining of wall, no pooled oil observed.	Record does not identify a release
635	DRUM RUN	376 BAY 44TH STREET	NY Spills	One 55-gaalon drum was abandoned on side of street. Drum contained 25 gallons of used oil. NYCDEP responded.	Petroleum Exclusion
EB636	VS #5993	2955 WEST 29TH STREET	NY Spills	Fifteen gallons of transformer oil on 900 gallons of water in electrical vault. Transformer failer pressure test. PCBs=10 ppm. cleanup completed.	De minimus quantity
EB637	CON EDISON MANHOLE	2955 WEST 29TH STREET	RCRA-LQG NY MANIFEST	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
638	CON EDISON - MANHOLE	2930 NEPTUNE AVENUE	RCRA-LQG	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
EC639	APT BUILDING/BRIGHTON HOUSE	500 BRIGHTWATER COURT	NY Spills	Possible loss of 500 to 1,000 gallons of fuel oil from apartment building UST fuel line. Thirty-five tons of contaminated soil removed.	Petroleum Exclusion
EC640	RESIDENCE MULTIPLE DWELLING	500 BRIGHTWATER COURT	NY LTANKS	Update to EC639 - tank test failure.	Petroleum Exclusion
641	MANHOLE 34569	AVENUE V/WEST 13TH STREET	NY Spills	Caller reported pertroleum release from unknown source. Samples collected, no results reported.	Petroleum Exclusion
642	BRIGHTON 8TH STREET AND NEPTUNE AVENUE	BRIGHTON 8TH STREET AND NEPTUNE AVENUE	NY Spills	Release of hydraulic fluid from commercial vehicle. Three gallons recovered.	Petroleum Exclusion
EA643	CON EDISON - MANHOLE	719 OCEAN VIEW AVENUE	RCRA-LQG	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility

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EDR Map ID	Site Name	Address	Databases	Comments	Reason Eliminated
ED644	AVENUE P PUMP STATION	AVENUE V PUMP STATION	NY Spills	Report notes "heavy influent flow" and unknown petroleum; however, matrial likely to be raw sewage (see below). Coney Island Creek affected. No additional details.	Not CERCLA-eligible
ED645	84 AVENUE B	84 AVENUE B	NY Spills	Unspecified equipment failure resulted in raw sewage spill affecting Coney Island Creek.	Not CERCLA-eligible
ED646	AVENUE V PUMP STATION	AVENUE V PUMP STATION	NY Spills	Duplicate report for ED644	Not CERCLA-eligible
ED647	AVENUE V PUMP STATION	AVENUE V PUMP STATION	NY Spills	Update to ED644 - material = raw sewage.	Not CERCLA-eligible
ED648	AVENUE V PUMP STATION	AVENUE V PUMP STATION	NY Spills	On going release of raw sewage at Avenue V Pump Station treated with chlorine.	Not CERCLA-eligible
ED649	AVENUE V PUMP STATION	AVENUE V PUMP STATION	NY Spills	Unspecified report for ongoing release at Avenue V Pump Station.	Not CERCLA-eligible
ED650	AVENUE V / BROOKLYN / PUM	AVENUE V	NY Spills	Avenue V Pump Station back in service.	Record does not identify a release
651	34TH AVENUE V PUMP STATION	34TH AVENUE V	NY Spills	Report notes pump failure at Avenue V Pump Station.	Record does not identify a release
652	MANHOLE 6669	CROPSEY AVENUE/26TH STREET	NY Spills	Release of dielectric fluid to manhole. PCBs=<1ppm. Spill contained to manhole and cleaned up.	De minimus quantity
653	MANHOLE #59890	BANNER STREET & BRIGHTON 8TH STREET	NY Spills	Release of 1 pint of dielectric fluid to 60 gallons of water. PCBs=<1ppm. Spill contained to manhole and cleaned up.	De minimus quantity
EE654	VAULT 4248	BRIGHTON 6TH STREET/BRIGHTON BEACH AVENUE	NY Spills	Release of approximately 100 gallons of transformer oil to 100 gallons of water. Spill contained to vault. PCBs=14 ppm. Spill contained to vault and cleaned up.	De minimus quantity
EE655	VS # 3318	BRIGHTON BEACH AVENUE/6TH STREET	NY Spills	Release of 10 gallons of dielectric fluid to transformer vault. PCBs=15 ppm. Spill contained to vault and cleaned up.	De minimus quantity
EF656	NYC DEP BWT AVENUE PS	84 AVENUE V	RCRA-SQG	Waste Codes D002 (corrosives, D003 (reactive waste), and D008 (lead) from unspecified source. No violations reported.	RCRA-regulated facility
EF657	AVENUE V PUMPING STATION DEP - DDC	84 AVENUE V AND 11 STREET	NY LTANKS	Unspecified release of gasoline from UST. Soil and groundwater impacted.	Petroleum Exclusion
EF658	NYCDEP - AVENUE V PS	84 AVENUE V	NY MANIFEST	Waste Code D008 (lead) related to plant shutdown and overhaul.	RCRA-regulated facility
EF659	AVE V PUMP STATION	84 AVENUE V	NY Spills	Ongoing release of raw sewage to Coney Island Creek.	Not CERCLA-eligible
EG660	VS6462	AVENUE X EAST 3RD STREET	NY Spills	Release of 1/2 pint of oil discovered during flush of manhole. Transformer record =<10 ppm PCBs. Cleanup pending sample results.	De minimus quantity
EG661	CON EDISON - MANHOLE	AVENUE X & EAST 3RD STREET	RCRA-LQG	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
EC662	CON EDISON	3048 BRIGHTON 3RD STREET	NY Spills	One gallon spill of fuel oil to basement floor.	Petroleum Exclusion
			NY MANIFEST	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
ED663	REGULATOR	AVENUE V WEST 11TH STREET	NY Spills	Ongoing release of raw sewage to Coney Island Creek.	Not CERCLA-eligible
664	CONCRETE	315 AVENUE W	NY Spills	Spill of 5 gallons hydraulic fluid from commercial vehicles. Spill cleaned up	Petroleum Exclusion
665	SHORE PARKWAY OFF 26TH AVENUE	SHORE PARKWAY OFF 26TH AVENUE	NY Spills	Report of smoke coming from NYC Sanitation Incinerator. EPA notified.	Not CERCLA-eligible
EH666	CON EDISON MANHOLE	3028 WEST 29TH STREET	RCRA-LQG	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
			NY MANIFEST		

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EDR Map ID	Site Name	Address	Databases	Comments	Reason Eliminated
EH667	CON EDISON - MANHOLE	3028 WEST 29TH STREET	RCRA-LQG	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
			NY MANIFEST		
668	RESIDENCE	2789 BRIGHTON 8TH STREET	NY Spills	Caller reported oil coming through floor of basement. Report notes "spill taken care of."	Petroleum Exclusion
669	DOCTOR PRIME	861 AVENUE Z	NY Spills	Report of animals accessing a pile of medical waste.	Not CERCLA-eligible
670	OVERHEAD POLE	2822 WEST 30TH STREET	NY Spills	Spill of 2 gallons of oil from overhead transformer to concrete. Spill cleaned up.	De minimus quantity
671	PRIVATE HOME	412 LAKE STREET	NY LTANKS	Unaddressed fuel oil leak in basement resulted in vapors entering basement of adjacent residence.	Petroleum Exclusion
672	2658 E7TH ST/BRKLYN	2658 EAST 7TH STREET	NY LTANKS	Minor residential fuel oil spill from overfill.	Petroleum Exclusion
673	CLOSED-LACK OF RECENT INFO	3115 BRIGHTON 6TH STREET	NY LTANKS	Fuel oil tank test failure. No reported release. Spill closed due to lack of new information.	Record does not identify a release
			NY AST		
674	714 BANNER AVENUE	714 BANNER AVENUE	NY LTANKS	Minor residential fuel oil spill from overfill.	Petroleum Exclusion
675	MARLBORO HOUSES - NYC	2740 86TH STREET	NY LTANKS	Tank test failure, tank to be decommissioned.	Record does not identify a release
			NY Spills	Release of fuel oil penetrated basement floor. Soil and groundwater impacted.	Petroleum Exclusion
676	BROOKLYN SCHOOL SPEC. RESID.	424 BAY 44TH STREET	NY UST	Fuel oil tank closed in place.	Record does not identify a release
			NY Spills	Spill of 2 gallons of dielectric fluid from overhead transformer.	De minimus quantity
677	2411 EAST 3RD STREET	2411 EAST 3RD STREET	NY Spills	Spill of approximately 10 gallons of fuel oil due to broken fill pipe.	Petroleum Exclusion
678	COMMERCIAL PROPERTY	703 BRIGHTON BEACH	NY Spills	Unspecified petroleum spill file is closed.	Record does not identify a release
EI679	MANHOLE #71776	WEST 29TH STREET/NE SURF AVENUE	NY Spills	Spill of 1 pint of oil to 300 gallons of water from unknown source within manhole. PCBs=<1 ppm. Cleanup completed.	De minimus quantity
EI680	VS 4031	SURF STREET/WEST 29TH STREET	NY Spills	Update for EI679 - transformer passed pressure test. Oil source still unknown.	De minimus quantity
EI681	VAULT 5977	WEST 29TH STREET/SURF AVENUE	NY Spills	Leak of 100 gallons of dielectric fluid from transformer to 450 gallons of water. PCBs=<1 ppm. Spill contained to vault and cleaned up.	De minimus quantity
EI682	WEST 29TH STREET & SURF AVENUE	WEST 29TH STREET & SURF AVENUE	NY Spills	Spill of 1 pint of tranformer oil on 300 gallons of water. PCBs=1 ppm. Spill contained to vault and cleaned up.	De minimus quantity
EI683	TS 6002	WEST 29TH STREET & SURF AVENUE	NY Spills	Sheen of oil observed when on-site to drain transformer, source unknown.	De minimus quantity
EJ684	CON EDISON - MANHOLE	1902 SHORE PARKWAY	RCRA-LQG	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
EJ685	EXC	1902 SHORE PARKWAY	NY UST	Gasoline UST closed in place.	Record does not identify a release
			NY Spills	Two vessels caught fire at marina gas station and leaked fluids into NY Bay	Petroleum Exclusion
EK686	NYC DEPARTMENT OF EDUCATION	2929 WEST 30TH STREET	NY AST	Sandy-releated discharge of fuel oil from AST to boiler room. Spill cleaned up.	Petroleum Exclusion
			NY Spills		
			NY MANIFEST	Waste Code B004 (PCB waste).	RCRA-regulated facility
EK687	NYC DEPARTMENT OF EDUCATION	2929 WEST 30TH STREET	RCRA-SQG	Waste Codes B004 (PCBs 50-<500 ppm oil-filled elec. Equip) and B007 (other PCB wastes).	RCRA-regulated facility
EL688	MANHOLE 65022	WEST 6TH STREET AVENUE V	NY Spills	Release of 2 gallons of dielectric fluid to 400 gallons of water in manhole. PCBs=<1 ppm. Spill contained to manhole and cleaned up.	De minimus quantity
EM689	MULTI FAMILY	2202 WEST 5TH STREET	NY Spills	Five-gallon pale of fuel oil spilled to sidewalk. Spill cleaned up	Petroleum Exclusion
690	15 GAL HYDRAULIC FROM VEHICLE 50641	8825-26 26 AVENUE	NY Spills	Spill of 15 gallons of hydraulic fluid from commercial vehicle. Cleanup completed.	Petroleum Exclusion

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EL691	195 AVE "V"	195 AVENUE V	NY Spills	Fuel oil sprayed on wall due to lack of vent pipe on tank.	Petroleum Exclusion
EJ692	1900 SHORE PARKWAY/BRKLYN	1900 SHORE PARKWAY	NY Spills	Private boat stained in Gravesend Bay possibly due to sunken barge.	Unknown source
693	POLE 66490	VILLAGE CT/VILLAGE RD SO	NY Spills	Approximately 30 gallons on "non-PCB" dielectric fluid leaked from overhead transformer to concrete and sewer. PCBs=<1 ppm. Spill cleaned up.	De minimus quantity
694	DRUM RUN	1893 SHORE PARKWAY	NY Spills	Abandoned drum containing 5 gallons of used oil. Drum scheduled for pick up. No report of a release.	Record does not identify a release
EN695	FORMER DRY CLEANING	3140 CONEY ISLAND AVENUE	NY Spills	Citizien complaint regarding suspected contaminated soil left on site after closure of dry cleaners. NYSDEC Case Manager told caller site was remediated.	Source removed
698	26 AVE. AND SHORE P'KWAY	26TH AVENUE AND SHORE PARKWAY	NY LTANKS	Gasoline tank test failure. No release reported.	Record does not identify a release
699	CON EDISON - MANHOLE	2913 SURF AVENUE	RCRA-LQG	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
700	RITE AID #04257	3001-27 MERMAID AVENUE	RCRA-VSQG	Waste types include ignitables; corrosives; and various metals, P- and U-listed wastes. No violations found.	RCRA-regulated facility
EN701	MANHOLE #58129	31-26 CONEY ISLAND AVENUE	NY Spills	Two quarts of oil on 200 gallons of water in manhole. PCBs=696 ppm. Spill contained to manhole and cleaned up.	De minimus quantity
702	MOTOR OIL SPILL	BRIGHTON 6TH STREET/BOARDWALK	NY Spills	Minor motor oil spill on concrete.	Petroleum Exclusion
703	LEAKING AUTOMOBILE GAS TANK	2168 WEST 8TH STREET	NY Spills	Gasoline tank leaking onto roadway. FDNY responded.	Petroleum Exclusion
704	WALGREENS #10326	713 BRIGHTON BEACH AVENUE	RCRA-LQG FINDS ECHO NY MANIFEST	Waste types include ignitables; corrosives; and various metals, P- and U-listed wastes. No violations found.	RCRA-regulated facility
705	VAULT #VS7022	AVENUE X & OCEAN PARKWAY	NY Spills	Unspecified amount of oil on 200 gallons of water in trnasformer vault. Transformer passed pressure test. Cleanup pending sample results. Transformer record PCBs=15 ppm.	De minimus quantity
706	SERVICE BOX 35382	3068 CONEY ISLAND AVENUE	NY Spills	One pint of oil on 5 gallons of water in service box. PCBs=<1 ppm. cleanup completed.	De minimus quantity
707	120 BAYVIEW RD/S.I.	STATEN ISLAND	NY Spills	Caller reported brown liquid material on bay.	Beyond study area
708	CON EDISON - MANHOLE	603 AVENUE Y	RCRA-LQG NY MANIFEST	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
709	MANHOLE 35390 EMIS 218046	3168 CONEY ISLAND AVENUE	NY Spills	One pint of oil in mahole earthen sump.	De minimus quantity
EO710	SHELL SERVICE STATION	3046 CONEY ISLAND AVENUE	NY UST	Gasoline UST closure.	Record does not identify a release
			NY Spills	Unspecified release at gas station due to human error. Spiller flushed into storm drain. FDNY responded.	Petroleum Exclusion
EO711	SHELL STATION	3046 CONEY ISLAND AVENUE	NY Spills	Gas line test failure. Investigation pending. Release at site under separate spill.	Record does not identify a release
712	POLE TOP 69603	BAYVIEW AVENUE AND NEPTUNE AVENUE	NY Spills	Leak of 1/2 gallon of transformer oil from overhead transformer onto pavement. cleanup completed.	De minimus quantity

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EDR Map ID	Site Name	Address	Databases	Comments	Reason Eliminated
EP713	LAFAYETTE HIGH SCHOOL - BROOKLYN K400	2630 BENSON AVENUE	NY AST NY Spills	Multiple fuel oil spills from permanent and temporary tanks. Impacts to soil. Cleanup	Petroleum Exclusion
EP714	NYC DEPT OF EDUCATION - HS 400K	2630 BENSON AVENUE	RCRA-SQG FINDS ECHO	Waste Codes B004 (PCBs 50-<500 ppm oil-filled elec. equip) and B007 (other PCB wastes). No violations found.	RCRA-regulated facility
EM715	PVT DWELLING	195 AVENUE Y	NY Spills	Minor spill of fuel oil AST to basement floor.	Petroleum Exclusion
EO716	FOUND STAINED SOIL WHILE DRILLING	NEPTUNE & CONEY ISLAND AVENUES	NY Spills	Ambiguous report of encountering oil during drilling activities at an intersection. As report was lacking details, submitted for closure.	De minimus quantity
EO717	MANHOLE 36471	NEPTUNE & CONEY ISLAND AVENUES	NY Spills	One quart of oil on 350 gallons of water in manhole. PCBs=622 ppm.	De minimus quantity
EO718	MANHOLE 36471	NEPTUNE & CONEY ISLAND AVENUES	NY Spills	Update for EO717 - one ounce of oil on 1,500 gallons of water in manhole. PCBs=736 ppm.	De minimus quantity
EO719	CONEY ISLAND & NEPTUNE AVENUE	NEPTUNE & CONEY ISLAND AVENUES	NY Spills	One gallon of oil found in vault on water. Spill cleaned up.	De minimus quantity
EQ720	NYC BD OF ED - PUBLIC SCHOOL 209 K	2609 EAST 7TH STREET	RCRA-VSQG NY MANIFEST	Waste Codes D001 (ignitable waste), D002 (corrosives), and D008 (lead) from an unspecified source. No violations found.	RCRA-regulated facility
ER721	CONCHEIRO, KATHERINE	2165 WEST 7TH STREET	NY Spills	Residential leak of fuel oil suspected to be from supply line running under foundation. Extent of contamination unknown.	Petroleum Exclusion
ER722	RESIDENCE	2165 WEST 7TH STREET	NY Spills	Update to ER721 - report states spill was a minor leak on the blower. Spill closed.	Petroleum Exclusion
EQ723	CON EDISON - MANHOLE 39275	AVENUE Z & EAST 7TH STREET	RCRA-LQG	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
724	3194 BAYVIEW AVE	3194 BAYVIEW AVENUE	NY Spills	Unspecified spill of oil or gasoline. Spill overpacked into 35-gallon drum.	Petroleum Exclusion
EO725	CON EDISON - MANHOLE 36271	172 NEPTUNE AVENUE	RCRA-LQG	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
ES726	CON EDISON - MANHOLE 35374	CONEY ISLAND AVENUE & GUIDER AVENUE	RCRA-LQG	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
ES727	CON EDISON - MANHOLE 1520	CONEY ISLAND AVENUE & GUIDER AVENUE	RCRA-LQG	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
728	92 VILLAGE ROAD SOUTH	92 VILLAGE ROAD SOUTH	NY Spills	Private residence being used for auto repair. Spiller observed discharging motor oil down a drain in backyard. HazMat to be notified.	Petroleum Exclusion
EO729	3033 CONEY ISLAND	3033 CONEY ISLAND AVENUE	NY UST NY Spills	5,000-gallon fuel oil UST Residents of apartment building reported oil leaking from boiler room. Follow-up inspection revealed recent boiler work but no leaks.	Record does not identify a release
ES730	MANHOLE 1519	BANNER & CONEY ISLAND AVENUES	NY Spills	Leak of 3 gallons of oil on 70 gallons of water in manhole. PCBs=<1 ppm. Cleanup completed.	De minimus quantity
731	EXXON COMPANY USA	3031 CONEY ISLAND AVENUE	NY LTANKS NY Spills NY MANIFEST	Various discharges of petroleum from gas station. NY MANIFEST = D001 (corrosives) and D018 (benzene) manifested off site..	Petroleum Exclusion
ES732	GUIDER AVENUE, CONEY ISL AV	GUIDER AND CONEY ISLAND AVENUES	NY Spills	Report of abandoned drums. Two drums of oil-soaked debris and some product. No report of a release.	Record does not identify a release
ES733	MH 1519	GUIDER AND CONEY ISLAND AVENUES	NY Spills	One-half quant of oil on 200 gallons of water in manhole. PCBs=<1 ppm. Cleanup completed.	De minimus quantity

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ES734	FORMER GAS STATION	2995 CONEY ISLAND AVENUE	NY Spills	Soil borings at former gas station and auto repair facility indicated petroleum release. Soil samples showed the presence of PAHs.	Petroleum Exclusion
ET735	EXXON MOBILE STATION	3003 CONEY ISLAND AVENEU	NY LTANKS NY Spills	Multiple tank test failures and petroleum releases at gas station. BTEX, MTBE, and PAHs dtected in soil and groundwater. Monitoring under NYSDEC.	Petroleum Exclusion
736	CON EDISON - MANHOLE	2433 OCEAN PARKWAY	RCRA-LQG	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
737	VILLAGE ROAD SOUTH AT	VILLAGE COURT	NY Spills	Unspecified release of transformer oil.	De minimus quantity
738	IN ROADWAY	HARWAY AVENUE & BAY 41 STREET	NY Spills	Three-gallons spill of diesel fuel onto roadway from a bus accident.	Petroleum Exclusion
EU739	NYSEG/ANTHONYKILL RT 4	MECHANICVILLE, NY	NY Spills	Release of coal tar from NYSEG facility to Anthony Creek in Saratoga County. Site being addressed by NYSDEC.	Beyond study area
740	ROADWAY	2378 EAST 4TH STREET	NY Spills	Ten-gallon petroleum spill from a commercial vehicle from unspecified equipment failure. Spill cleaned up.	Petroleum Exclusion
741	CONEY ISLAND HOUSES (SURFSIDE HOUSES)	3020 SURF AVENUE	NY LTANKS NY UST NY AST NY Spills	Various records pertaining to fuel oil tanks at NYCHA apartment complex, including closures, replacments, and a minor petroleum release from decommissioned tank.	Petroleum Exclusion
EV742	DRUM RUN	CONEY ISLAND AVENUE & SHORE PARKWAY NORTH	NY Spills	Oil drum in front of auto collision facility vacummed up during drum run. No report of a release.	Record does not identify a release
EV743	SEWER DRAIN	CONEY ISLAND AVENUE & SHORE PARKWAY	NY Spills	Dumping of various oils into sewer. Addressed by FDNY	Petroleum Exclusion
744	TM 0610	BRIGHTON COUT & 7TH STREET	NY Spills	One pint of oil on 100 gallons of water in manhole. Transformer not suspected. Cleanup completed.	De minimus quantity
EU745	NEW YORK TELEPHONE CO.	1870 SHORE PARKWAY 26TH AVENUE	RCRA-VSQG NY MANIFEST	Waste Codes D001 (ignitable), D002 (corrosive), and D039 (PCE) from unspecified source. No violations found.	RCRA-regulated facility
EU746	VERIZON WASTE OIL SPILL TO PAVEMENT	1870 SHORE PARKWAY	NY Spills NY MANIFEST	Soil borings indicated petroleum and BTEX near gasoline, diesel, and used oil USTs. Impacted soil and USTs removed, MWs installed.	Petroleum Exclusion
747	GAS ODORS AT RINGLEMAN BO	2901 RINGLEMAN BOARDWALK	NY Spills	NYCDEP invesigated a report of gas odors and found minor spill to unspecified NY waters.	Petroleum Exclusion
EW748	IN THE SEWER	BRIGHTON BEACH & CONEY ISLAND AVENUES	NY Spills	Release of 1 gallon of motor oil from unspecified equipment failure. One pint reached sewer, remainder cleaned up.	Petroleum Exclusion
EW749	VAULT # 6503	CONEY ISLAND & BRIGHTON AVENUE	NY Spills	Leak of 75 gallons of transformer oil into vault. No PCB results reported. Vault cleaned.	De minimus quantity
EW750	MANHOLE #1578	CONEY ISLAND & BRIGHTON AVENUE	NY Spills	One pint of oil discovered in Vault # 6503 during transformer replacment. PCBs<1 ppm.	De minimus quantity
EW751	BRIGHTON BEACH AV	CONEY ISLAND & BRIGHTON AVENUE	NY Spills	One pint of oil on 200 gallons of water. PCBs=116 ppm. Cleanup completed.	De minimus quantity
752	MARINE BASIN MARINA INC	1900 SHORE PARKWAY	NY UST NY Spills	Nine gasoline USTs closed in place. Discharge line test failure, no release. Petroleum release to Gravesend Bay from a derelict boat that sank. USCG notified.	Record does not identify a release Petroleum Exclusion

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EX753	SPILL NUMBER 0211809	711-21 BRIGHTWATER COURT	NY Spills	Fuel oil spill from vent pipe to concrete due to defective guage. Spill cleaned up.	Petroleum Exclusion
754	CON EDISON - MANHOLE	1011 BRIGHTON BEACH	RCRA-LQG	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
ET755	3992 GUIDER AVENUE	3992 GUIDER AVENUE	NY Spills	Soil and groundwater impact on subject property from adjacent gas stations and urban fill.	Petroleum Exclusion
756	550 TANK ACROSS FROM	2951 CONEY ISLAND AVENUE	NY Spills	Thick sludge observed on bottom of fuel oil tank, no free liquid. Report also indicates an unspecified abandoned container left on the street will be scheduled for pick up.	Record does not identify a release
EU757	NYC DOS BROOKLYN WEST 11	360 BAY 41ST STREET	NY LTANKS NY Spills RCRA NonGen / NLR FINDS ECHO NY MANIFEST	Various tank closures and releases related to fuel oil tanks. Investigations under NYSDEC oversight.	Petroleum Exclusion
758	CON EDISON - MANHOLE	2411 OCEAN PARKWAY	RCRA-LQG	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
EW759	DIME SAVING BANK	1002 BRIGHTON BEACH AVENUE	NY Spills	Five-gallon spill of fuel oil due to tank overfill.	Petroleum Exclusion
760	2630 BENSON AVE./LAFAYETT	2630 BENSON AVENUE	NY Spills	One-quart container of shock-sensitive crystallized picric acid found in lab.	De minimus quantity
761	POLE #61578	220 BAY 41 STREET	NY Spills	Leaking overhead transformer to sidwalk. Two cars splashed with oil. Spill cleaned up.	De minimus quantity
EY762	SURFSIDE GARDENS (BLDG. #3)	2940 WEST 31ST STREET	NY LTANKS NY UST NY Spills	Various tank test failures, removals, and leaks releated to fuel oil tanks at NYCHA complex.	Petroleum Exclusion
763	MANHOLE 6671	CROPSEY AVENUE/BAY 40 STREET	NY Spills	Approximately two quarts of oil observed on 50 gallons of water in mahole, source unknown. PCBs=<1 ppm.	De minimus quantity
764	POLE 20462	OPP 2867 WEST 32 STREET	NY Spills	One quart of oil leaked from overhead transformer to asphalt.	De minimus quantity
EX765	3300 CONEY ISLAND AVENUE	330 CONEY ISLAND AVENUE	NY Spills	Unknown wastewater discharge from site to Atlantic Ocean via a pipe.	Unknown source
EY766	CON EDISON - SERVICE BOX 4364	2960 WEST 31 STREET	RCRA-LQG	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
767	STREET	29-17 CONEY ISLAND AVENUE	NY Spills	Minor spill of hydraulic fluid from NYCDEP flusher truck due to cold weather.	Petroleum Exclusion
EZ768	MANHOLE 59506	VAN SICKLEN STREET/GRAVESEND	NY Spills	One-half pint of oil on 200 gallons of water in manhole. Cleanup pending PCB analysis.	De minimus quantity
FA769	SOUTHWEST BROOKLYN MARINE TRANSFER STATION	400 BAY 41ST STREET	RCRA-LQG	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
FA770	COMMERCIAL	400 BAY 41ST STREET	NY Spills	Caller reported sheen on water from unknown source. NFA due to lack of additional information.	Unknown source
FA771	GRAVENEND BAY	400 BAY 41ST STREET	NY Spills	Update to FA770 - sheen a result of runoff from a barge. Sheen contained by booms and cleaned up.	De minimus quantity
FA772	SOUTHWEST BROOKLYN MARINE TRANSFER STATION	400 BAY 41ST STREET	NY Spills NY MANIFEST	Leak of 8-oz. of hydraulic oil. Spill cleaned up.	Petroleum Exclusion
FA773	WORKSITE	400 BAY 41ST STREET	NY Spills	Spill closed.	Record does not identify a release
774	VAULT #5627	EAST 7TH & AVENUE Y	NY Spills	Leak of approximately 5 gallons of dielectric fluid. PCBs=14 ppm. cleanup pending removal of transformer.	De minimus quantity
FB775	CONEY ISLAND STP/BKLYN	CONEY ISLAND STP	NY Spills	Report releated to raw sewage release.	Not CERCLA-eligible

TABLE 1
RECORDS INELIGIBLE FOR CONSIDERATION UNDER CERCLA.

EDR Map ID	Site Name	Address	Databases	Comments	Reason Eliminated
FB776	CONEY ISLAND YARD - NYCT	2556 MACDONALD AVENUE	NY Spills	Contaminated soil found near train scale pit. Suspected release of hydraulic oil.	Petroleum Exclusion
FB777	WASTE WATER TREATM'T FAC	CONEY ISLAND	NY Spills	Raw sewage discharge due to STP maintenance.	Not CERCLA-eligible
FB778	CONEY ISLAND STP	CONEY ISLAND STP.	NY Spills	Raw sewage discharge due to STP maintenance.	Not CERCLA-eligible
FB779	CONEY ISLAND GETS RUPTURE	CONEY ISLAND STP	NY Spills	STP plant bypass due to equipment failure.	Not CERCLA-eligible
FB780	CONEY ISLAND / BROOKLYN	CONEY ISLAND	NY Spills	Unspecified petroleum release from unspecified Con Edison facility to Paerdegat basin.	De minimus quantity
FC781	TRANSFORMER 4364	WEST 31ST STREET BETWEEN SURF AND MERMAID AVENUES	NY Spills	Transformer fire caused spray of one gallon of oil onto street. Spill cleaned up.	De minimus quantity
FC782	NYCHA - CONEY ISLAND SITE 1 B	3110 SURF AVENUE	RCRA-VSQG	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
FC783	NYCHA - CONEY ISLAND SITES 4 & 5	3110 SURF AVENUE	RCRA-SQG	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
784	SPILL NUMBER 9713204	4322 WEST SHORE AVENUE	NY Spills	Leak of approximately 10 gallons of transformer oil to concrete pad and soil. No PCB results reported. Cleanup completed.	De minimus quantity
FD785	MH 35034	BRIDGEWATER COURT	NY Spills	One quart of oil on 50 gallons of water in manhole. PCBs=<1 ppm. Cleanup completed.	De minimus quantity
786	KINGS NISSAN	2887 CONEY ISLAND AVENUE	NY Spills	Caller reported facility venting into the street. Air issue spill closed.	Not CERCLA-eligible
			NY MANIFEST	Waste Code F003 (spent halogenated solvents).	RCRA-regulated facility
FE787	MALKENSON RESIDENCE	146 BRIGHTEN 11TH STREET	NY Spills	Residential fuel oil leak due to kink in fuel line.	Petroleum Exclusion
788	CON EDISON - MANHOLE	3135 SHORE PARKWAY	RCRA-LQG	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
789	MANHOLE 67445	WEST 32ND STREET & MERMAID AVENUE	NY Spills	Caller reported sheen on water in manhole. Unspecifed quantity of pertoleum.	De minimus quantity
FD790	MANHOLE 35394	CONEY ISLAND AVENUE/BRIGHTWATER	NY Spills	Five gallons of dielectric fluid on 250 gallons water. PCBs=<1 ppm. Spill cleaned up.	De minimus quantity
FD791	MANHOLE 35394	NW CORNER CONEY ISLAND AVENUE	NY Spills	Spill reported as two quarts.	De minimus quantity
FF792	SPILL NUMBER 9907374	1108 LAWN COURT	NY Spills	Residential caller reported petroleum-like odor in basement. Water in sump had a reddish tink. Numerous gas stations in the area are unconfirmed sourcess.	Petroleum Exclusion
793	GETTY PETROLUEM CORP 00128	2504 HARWAY AVENUE	NY Spills	Contaminated soil and groundwater encountered during multiple petroleum UST removals at gas station. Waste Code D001 (ignitable) manifested off site.	Petroleum Exclusion
			RCRA NonGen / NLR		
			FINDS		
			ECHO		
			NY MANIFEST		
EZ794	PUBLIC SCHOOL 95K	345 VAN SICKLEN STREET	RCRA-LQG	Waste Codes B004 (PCBs 50-<500 ppm, incl. oil-filled elec. equip. and unknown) and B007 (other PCB wastes).	RCRA-regulated facility
			NY MANIFEST		
FG795	84 AVENUE U PUMPING STA	84 AVENUE U PUMPING STATION	NY Spills	Raw sewage discharge due to equipment failure.	Not CERCLA-eligible
FE796	148 BRIGHTON 11TH ST/BKLY	148 BRIGHTON 11TH STREET	NY Spills	Rupture of 275-gallon residential fuel oil AST in basement and release of 80 gallons. No environmental impact reported.	Petroleum Exclusion
797	2373 OCEAN PARKWAY	2373 OCEAN PARKWAY	NY Spills	Caller reports odors due to incineration of garbage.	Not CERCLA-eligible

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798	MANHOLE 59359	GRAVE ROAD/VILLAGE ROAD EAST	NY Spills	Three gallons of oil on 75 gallons of water in manhole. Spray of oil escaped manhole resulting in grass and tree being burned. PCBs=14 ppm.	De minimus quantity
FG799	84 AVE. U/SEWER BYPASS	84TH AVENUE U	NY Spills	Raw sewage release due to equipment failure.	Not CERCLA-eligible
800	18 AVENUE U BETWEEN	EAST 70TH & EAST 71ST STREET	NY Spills	One pint of oil leaked from overhead transformer onto street, sidewalk, and tree. No PCB conc. Reported.	De minimus quantity
FF801	YUEN HOME	1120 LAWN COURT	NY Spills	Corroded residential fuel oil AST in basement leaked onto cracked concrete floor and impacted underlying soil. Soil excavation limited by structural limitations.	Petroleum Exclusion
802	MOBIL	67TH STREET & AVENUE U	NY Spills	Small quantity of waste oil on surface soil at gas station. Spill closed due to unlikley chance of migration.	Petroleum Exclusion
FH803	INTERSECTION ON ROAD	AVENUE U & 86TH STREET	NY Spills	Release of transmission fluid from disabled bus.	Petroleum Exclusion
FH804	CON EDISON - MANHOLE 34516	86TH STREET	RCRA-LQG	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
FH805	ROADWAY	AVENUE U AND 86TH STREET	NY Spills	Release of antifreeze from a commercial vehicle due to unspecified equipment failure.	Not CERCLA-eligible
806	GRAVESEND HOUSES (O'DWYER GARDENS)	2719 WEST 33RD STREET	NY LTANKS NY UST NY Spills	Petroleum impacts to soil and groundwater from multiple NYSCHA complex USTs.	Petroleum Exclusion
FI807	GRAVESEND HOUSES - NYCHA	2793 WEST 33RD STREET	NY Spills	Leaking fuel lines in boiler room at NYCHA complex.	Petroleum Exclusion
FI808	MANHOLE 71173	33RD STREET & NEPTUNE AVENUE	NY Spills	Sheen observed on water in manhole. Cleanup pending sample results.	De minimus quantity
FJ809	HOUSING COMPLEX	2839 WEST 33RD STREET	NY Spills	Release of "under 10 gallons" of fuel oil due to unspecified equipment failure to sidewalk.	Petroleum Exclusion
FI810	MANHOLE 58156	NEPTUNE AVENUE / WEST 33RD STREET	NY Spills	One-half gallon of oil/sludge mixture in mahole. PCBs=1 ppm.	De minimus quantity
FI811	MANHOLE 58156	NEPTUNE AVENUE / WEST 33RD STREET	NY Spills	One gallon of oil on 2,000 gallons of water in manhole. PCBs<1 ppm. Cleanup complete.	De minimus quantity
812	MTA NYCT AVENUE U STATION N LINE	143-149 AVENUE U	RCRA-LQG	Waste Code D008 (lead) from unspecified source. Violations: TSD IS - Contingency Plan and Emergency Procedures.	RCRA-regulated facility
FK813	EAST 5TH STREET AND AVENUE W	EAST 5TH STREET AND AVENUE W	NY Spills	Report of abandoned containers of product (hydraulic oil). Caller consolidated containers but no container found by NYSDEC.	Record does not identify a release
814	NYCDEP - AVE U AND E 7TH ST BROOLYN NY	AVENUE U AT EAST 7TH STREET	RCRA-LQG	Waste Codes D001 (ignitable) and P030 (soluble cyanide salts) from unspecified source. No violations found.	RCRA-regulated facility
815	CON EDISON - SERVICE BOX 35356	2815 CONEY ISLAND AVENUE	RCRA-LQG	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
FL816	CONEY ISLAND & AVENUE Z	CONEY ISLAND & AVENUE Z	NY Spills	Raw sewage release due to equipment failure.	Not CERCLA-eligible
FM818	204 AVENUE U	204 AVENUE U	NY Spills	Report of diesel fuel leaking into sewer system. No response noted.	Petroleum Exclusion
819	ULMER PARK DEPOT	5449 HARWAY AVENUE	NY AST NY Spills	Bus depot with multiple diesel fuel oil tanks. Soil borings advanced for new oil/water separator confirmed contaminated soil.	Petroleum Exclusion
820	SPILL NUMBER 0205637	2183 WEST STREET	NY Spills	Unspecified petroleum release. No further details, spill closed.	Petroleum Exclusion
821	MANHOLE 32990	OCEANVIEW AVENUE AND BRIGHTON 11TH STREET	NY Spills	One-half to 2 gallons of oil on 600 gallons of water in manhole. No PCB results reported.	De minimus quantity

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FN822	SOUTHWEST BROOKLYN SANITATION	1824 SHORE PARKWAY	NY Spills	Minor hydraulic fluid spill due to overfill and unspecified equipment failure. Impacted stone removed..	Petroleum Exclusion
FN823	CONSTRUCTION SITE	1824 SHORE PARKWAY	NY Spills	Construction vehicle backed into a bucket of hydraulic fluid spilling "a few onces."	Petroleum Exclusion
FN824	GARAGE FLOOR	1824 SHORE PARKWAY	NY Spills	40-gallon spill of hydraulic fluid to concrete floor. Spill contained and cleaned up.	Petroleum Exclusion
FN825	SOUTHWEST BROOKLYN MARINE TRANSFER STATION	1824 SHORE PARKWAY	NY Spills	One-half gallon of gasoline leaked from outboard motor to bay. Booms deployed and spill cleaned up.	Petroleum Exclusion
FN826	NYC DEPT OF SANITATION - A MALUMED	1824 SHORE PARKWAY	RCRA-VSQG	Waste Codes D001 (ignitable) and X001 (waste oil). No violations reported.	RCRA-regulated facility
			NY SWF/LF	NYCDOS Brooklyn Incinerator.	Record does not identify a release
			NY LTANKS	Gasoline tank test failure. Tank closed and removed.	Petroleum Exclusion
			NY Spills	Multiple petroleum releases from facility USTs.	
			FINDS	RCRA-SQG	RCRA-regulated facility
			ECHO		
			NY MANIFEST	Waste Code D001 (ignitable).	
FN827	SOUTHWEST BROOKLYN INCINERATOR	SHORE PARKWAY	RCRA-VSQG	Waste Codes D006 (cadmium), D008 (lead), and X002 (PCBs).	RCRA-regulated facility
			NJ Manifest		
FN828	SOUTH WEST BROOKLYN TRANSFER STATION	1824 SHORE PARKWAY	NY Spills	Two-oz. spill of hydraulic fluid.	Petroleum Exclusion
FN829	NEW YORK CITY DEPT OF SANITATION	SHORE PARKWAY	NY SWF/LF	Southwest Brooklyn Household Special Waste Drop-off	Record does not identify a release
			NY Spills	Spill of 1 gallon of hydraulic fluid from a broken hose.	Petroleum Exclusion
			NY MANIFEST	Waste Code D001 (ignitable).	RCRA-regulated facility
830	GETTY STATION PIT - 2495	2495 CROPSEY AVENUE	NY LTANKS	Gas station UST closures reveal soil and groundwater impacted with BTEX and MTBE.	Petroleum Exclusion
			NY Spills		
FK831	I/A/O AVENUE W & EAST 5TH ST	AVENUE W & EAST 5TH STREET	NY Spills	One gallon spill of hydraulic fluid to catch basin. Cleanup in progress.	Petroleum Exclusion
832	BASEMENT SANDY	199 BRIGHTON 10TH STREET	NY Spills	Residential fuel oil spill related to Hurricane Sandy. Basement AST displaced. Seventy-five gallons recovered.	Petroleum Exclusion
833	SURF AVE & W 32ND ST	SURF AVENUE & WEST 32ND STREET	NY Spills	One quart of oil in tidal affected manhole. PCBs=<1 ppm.	De minimus quantity
FL834	CON EDISON - MANHOLE	1023 AVENUE Z OPP OF	RCRA-LQG	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
FJ835	SURFSIDE GARDENS - NYCHA	2832 WEST 33RD STREET	NY Spills	An abandoned 550-gallon fuel oil tank was found to be half full. No sign of a release.	Record does not identify a release
836	CON EDISON - MANHOLE	1067 BRIGHTON BEACH AVENUE	RCRA-LQG	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
837	ROADWAY	MERMAID AVENUE & WEST 33RD STREET	NY Spills	Five gallon spill of motor oil to roadway. Three gallons recovered, two gallons to sewer.	Petroleum Exclusion
FM838	IN THE BASEMENT	208 AVENUE U	NY Spills	Caller reported oil spilled outside was seeping into basement. No additional information.	Petroleum Exclusion
839	RESIDENCE	8797 25TH AVENUE	NY Spills	Tank test failure and excavation revealed residual oil around tank.	Petroleum Exclusion
841	JAMES ARMENTI	1145 BANNER AVENUE	NY Spills	Caller stated nearby gas station may have a leak affecting groundwater. NYSDEC unable to confirm.	Petroleum Exclusion
FM842	VEH 60766 LEAKED COOLANT - 2 GAL	WEST 5TH STREET & AVENUE U	NY Spills	Coolant leak from commercial vehicle. Two gallons of antifreeze on roadway and concrete wall due to equipment failure.	Not CERCLA-eligible

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843	CON EDISON - SERVICE BOX	2730 W 33RD STREET	RCRA-LQG	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility

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FO844	NYC-TA ULMER BUS DEPOT	2499 HARWAY AVENUE	RCRA-LQG ICIS US AIRS FINDS ECHO NJ Manifest RI Manifest	NYC TA bus depot and associated environmental databases. Facility generates and manifests off site various wastes, including D001 (ignitables), D006 (cadmium), D008 (lead), D035 (methyl ethyl ketone), F005 (non-halogenated solvents), X001 (waste oils), and petroleum distillates. No record of release.	RCRA-regulated facility
FP845	CON EDISON - MANHOLE 73127	2335 OCEAN PARKWAY	RCRA-LQG	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
FP846	CON-EDISON - MANHOLE 73127	OCEAN PARKWAY & LANCASTER AVENUE	RCRA-LQG	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
847	PRIVATE RESIDENCE	2070 WEST 12TH STREET	NY Spills	Residential fuel oil leak to basement floor.	Petroleum Exclusion
848	POLE 69703	2540 BENSON AVENUE	NY Spills	Minor leak from overhead transformer resulted in stain on concrete.	De minimus quantity
FQ849	2769 CONEY ISLAND AV/BKLY	2769 CONEY ISLAND AVENUE	NY Spills	Caller reported gasoline vapors in house. Suspected to be from nearby gas station. FDNY reponded, recommded ventilating house.	Petroleum Exclusion
850	203 GRAVESEND NECK ROAD	203 GRAVESEND NECK ROAD	NY Spills	Spill of 1/2 gallon of fuel oil due to equipment failure. Spill cleaned up.	Petroleum Exclusion
851	BASEMENT	1118 WILLIAMS COURT	NY Spills	Minor spill of residential fuel oil to basement floor during conversion to natural gas.	Petroleum Exclusion
FR852	NEPTUNE AVE	EAST 12TH STREET	NY Spills	One quart of oil on 400 gallons of water in manhole. PCBs=<1 ppm. Cleanup completed.	De minimus quantity
FR853	STREET BY NYNEX GARAGE	NEPTUNE AVENUE BY 12TH STREET	NY Spills	Spill of 5 gallons of hydraulic fluid due to broken hose on vehicle.	Petroleum Exclusion
FO854	SPRAGUE ENERGY TRUCK	2449 HARWAY AVENUE	NY Spills	Thirty-gallon diesel spill from commercial vehicle. Spill contained to street and cleaned up.	Petroleum Exclusion
FO855	BUS STATION	2449 HARWAY AVENUE	NY Spills	Spill of three gallons of diesel from unspecified equipment failure.	Petroleum Exclusion
856	GASETERIA	2063 STILLWELL AVENUE	NY Spills	Gasoline vapors in sewer and basements revealed 151-gallon loss from nearby gas station.	Petroleum Exclusion
FS857	COSTELLA HOME	2060 WEST 11 STREET	NY Spills	Five-gaalon spill of residential fuel oil to basement floor due to overfill through vent pipe. Spill cleaned up.	Petroleum Exclusion
858	VAULT #3562	CROPSEY AVENUE & BAY 38TH STREET	NY Spills	Oil sheen on 150 gallons of water in underground electrical vault. PCBs=<1 ppm. Cleanup completed.	De minimus quantity
FR859	KINGS AUTOMOTIVE GROUP	100 NEPTUNE AVENUE	RCRA-SQG NJ Manifest NY MANIFEST	Waste Codes F003 and F005 (spent non-halogenated solvents, and Universal Waste. Violations noted during on-site compliance evaluation listed as "Action Satisfied (Case Closed)."	RCRA-regulated facility
860	8622 26TH AVE	8622 26TH AVENUE	NY Spills	Unspecified gasoline odor in private dwelling. No additional information, spill close.	Petroleum Exclusion
FS861	X	2059 WEST 12TH STREET	NY Spills	Delivery of fuel oil pumped to wrong house with no tank. Spill of 8 gallons cleaned up.	Petroleum Exclusion

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862	CONSTRUCTION SITE	217 AVENUE U	NY Spills	Oil-contaminated soil discovered during construction of new structure. Unknown if released from former oil tank. No signs of spill or odors in new structure observed by NYSDEC.	Petroleum Exclusion
FQ863	2769 CONEY ISLAND AVE	2769 CONEY ISLAND AVENUE	NY Spills	Gasoline vapors noted in private residence when nearby gas station receives deliveries.	Petroleum Exclusion
FT864	MANHOLE #3578	CONEY ISLAND AVENUE/AVENUE Y	NY Spills	One pint of oil soaked onto asbestos arc insulation in manhole.	De minimus quantity
FT865	INTERSECRION OF AVENUE Y	INTERSECTION OF AVENUE Y AND CONEY ISLAND AVENUE	NY Spills	Spill of one gallon of hydraulic oil from commercial vehicle due to ruptered hose.	Petroleum Exclusion
FT866	SPILL NUMBER 0203286	AVENUE Y & CONEY ISLAND AVENUE	NY Spills	Leak of 80 gallons of dielectric fluid from transformer in electrical vault. PCBs=15 ppm. Spill contained to vault and cleaned up.	De minimus quantity
FU867	NYC HOUSING AUTHORITY	2951 WEST 233RD STREET	NY Spills	Spill of 45 gallons of fuel oil due to unspecified equipment failure. NYSDEC received documents documenting cleanup.	Petroleum Exclusion
868	OFF SHORE PKWY & BAY 38TH	OFF SHORE PARKWAY & BAY 38TH STREET	NY Spills	Release of fuel oil to Sleep Island Bay due to leaking pipe. NYCDEP responded.	Petroleum Exclusion
FU869	O'DWYER GARDENS (SURFSIDES)	2959 WEST 33RD STREET	NY LTANKS NY UST NY Spills	Various tant test failures and fuel oil releases from NYCHA complex USTs and mobile boiler.	Petroleum Exclusion
FV870	MANHOLE 01450	OCEAN PARKWAY & AVENUE W	NY Spills	One pint oil on 200 gallons water. PCBs=10 ppm. Cleanup completed.	De minimus quantity
871	PRIVATE RESIDENCE	2407 EAST 7TH STREET	NY Spills	Fuel oil delivered to wrong house that no longer used oil. Fill valve still present, but no tank. Spill of 30 to 40 gallons cleaned up by oil company. Odors remain in home.	Petroleum Exclusion
FW872	CON ED	OCEANVIEW AVENUE AND BRIGHTON 12TH STREET	NY Spills	Six gallons of oil on 200 gallons of water in electrical vault. Spill contained and cleaned up.	De minimus quantity
873	PUBLIC SCHOOL 188 K	2815 WEST 35TH STREET	RCRA-LQG NJ Manifest NY MANIFEST	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
874	BAYSIDE FUEL OIL CORPORATION (1810 SHORE)	1810 SHORE PARKWAY	NY LTANKS NY VCP NY Spills	Historical petroleum releases at bulk storage facility impacted soil and groundwater. Site remediated under NY's Voluntary Cleanup	Petroleum Exclusion
FX875	BP AMOCO SERVICE STATION #60699	2617 86TH STREET	NY Spills	Soil, groundwater, and soil vapor contamination and remediation associated with gas station.	Petroleum Exclusion
876	CON EDISON - MANHOLE 69939	9817 25TH AVENUE	RCRA-LQG FINDS ECHO NY MANIFEST	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
FY877	NYCT ULMER PARK BUS DEPOT	2449 HARWAY AVENUE	NY Spills	Release of an unspecified amount of fuel oil due to failure of tank fill lines.	Petroleum Exclusion
FY878	NYC TRANSIT ULMER PARK STATION	2449 HARWAY AVENUE	NY Spills	Spill of 50 gallons of diesel to sump.	Petroleum Exclusion
FY879	ULMER PARK BUS DEPOT - NYCT	2449 HARWAY AVENUE	NY CBS UST NY CBS NY CBS AST	Chemical bulk storage (CBS) of ethylene glycol. No release reported.	Record does not identify a release
			NY Spills	Various releases of fuel oil and hydraulic fluid.	Petroleum Exclusion
880	VS#3504	SHORE PARKWAY NEAR EAST 12TH STREET	NY Spills	Oil sheen observed on 200 gallons of water in electrical vault. PCBs=<1 ppm. Cleanup completed.	De minimus quantity

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FU881	SPILL NUMBER 9809231	WEST 33RD STREET/SURF AVENUE	NY Spills	Fifteen gallons of transformer oil on 1,000 gallons of water contained in electrical vault. No PCB results reported.	De minimus quantity
FU882	VAULT 43551	WEST 33RD STREET/SURF AVENUE	NY Spills	Update to FU881 - PCBs=12 ppm.	De minimus quantity
883	LEAKING AERIAL XFMR ON POLE 65657	IN FRONT OF 3322 BAYVIEW AVENUE	NY Spills	One-half pint of dielectric fluid leaked from overhead tranformer. Spill contained.	De minimus quantity
FV884	MANHOLE 73122	OCEAN PARKWAY & AVENUE W	NY Spills	Two quarts of dielectric fluid on 200 gallons of water in manhole earthen sump. No PCB results reported.	De minimus quantity
885	BTWN 86TH ST & AVENUE T	WEST 13TH STREET	NY Spills	Caller reported oil on street. No source or quantity reported.	Unknown source
FT866	CON EDISON - MANHOLE 66255	2762 CONEY ISLAND AVENUE	RCRA-LQG	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
FV887	CON EDISON MANHOLE - 73122	2307 OCEAN PARKWAY	RCRA-LQG	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
FW888	TM 1239	OCEAN VIEW AVENUE/BRIGHTON 12	NY Spills	One gallon of oil on 30 gallons of water in manhole. PCBs=<1 ppm. Cleanup completed.	De minimus quantity
FX889	PETOC STORE #3711	2601 86TH STREET	RCRA-VSQG FINDS ECHO	Waste Codes D001 (ignitable), D002 (corrosive), D005 (barium), D007 (chromium), D008 (lead), and D035 (methy ethyl ketone) from unspecified source. No violations found.	RCRA-regulated facility
890	RESIDENCE	3085 BRIGHTON 13TH STREET	NY AST NY Spills	Spill of 15-20 gallons of fuel oil due to overfill and cracked fill line at apartment building fuel oil UST. Spill cleaned up.	Petroleum Exclusion
FZ891	MANHOLE #56506	MERMAID AVENUE & WEST 35TH STREET	NY Spills	Oil sheen on 150 gallons of water in manhole. PCBs=<1 ppm. Cleanup completed.	De minimus quantity
FZ892	MAN HOLE 2331	MERMAID AVENUE & WEST 35TH STREET	NY Spills	One pint of oil found on water in manhole. PCBs=481 ppm. Spill cleaned up.	De minimus quantity
893	RENOVATING OF HOUSE	2040 WEST 10TH STREET	NY Spills	Caller reported that oil tank at house under renovation is on grass and leaking. No resolution reported.	Petroleum Exclusion
GA894	ROADWAY SPILL	86TH STREET/STILLWELL AVENUE	NY Spills	Spill of 30 gallons of diesel fuel from a commercial vehicle due to unspecified driver error. Twenty gallons to storm drain.	Petroleum Exclusion
895	HOUSING - 35 SEACOAST TERRACE	35 SEACOAST TERRACE	NY LTANKS NY Spills	Various petroleum releases and responses at apartment complex.	Petroleum Exclusion
GA896	TRAFFIC ACCIDENT	STILLWELL AVENUE AND 86TH STREET	NY Spills	Five-gallon spill of diesel resulting from a traffic accident.	Petroleum Exclusion
897	SHORE FRONT APT COMPLEX	2250 4TH STREET	NY Spills	One pint of fuel oil spilled due to human error.	Petroleum Exclusion
GB898	CON EDISON - MANHOLE 56986	1020 AVENYE Y	RCRA-LQG NY MANIFEST	Waste Code D008 (lead) from an unspecified source. No violations found.	RCRA-regulated facility
GB899	MANHOLE #56986	1022 AVENUE Y	NY Spills	One pint of oil on 300 gallons of water in manhole earthen sump.	De minimus quantity
FY900	COMMERCIAL LIFESPIRE INC	2435 HARWAY AVENUE	NY Spills	Removal and closure of fuel oil USTs revealed minor petroleum releases.	Petroleum Exclusion
901	CON EDISON - MANHOLE 65019	269 AVENUE U	RCRA-LQG NY MANIFEST	Waste Code D008 (lead) from an unspecified source. No violations found.	RCRA-regulated facility
902	GEN RESIDENCE	33 BRIGHTON 11TH STREET	NY Spills	Spill reported created for tracking purposes for NYSDEC's Hurricane Sandy Response. Compromised residential fuel oil AST in basement pumped out. No report of a release.	Record does not identify a release

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EDR Map ID	Site Name	Address	Databases	Comments	Reason Eliminated
903	MTA NYCT - AVENUE U STATION - F LINE	AVENUE U & MCDONALD AVENUE	RCRA-LQG	Waste Code D008 (lead) from unspecified source. NOVs for records/reporting, prepardness and prevention, general facility standards, and contingency plan and emergency procedures.	RCRA-regulated facility
904	APARTMENT-NYCHA	2950 WEST 35TH STREET	NY LTANKS	Multiple tank test failures and UST closures and replacments revealed petroleum releases at	Petroleum Exclusion
			NY Spills		
GC905	BAYSIDE FUEL OIL DEPOT CORP	1776 SHORE PARKWAY	NY MOSF UST	Mutiple USTs (fuel oil, gasoline, and diesel) registered under the Major Oil Storage Facility Program.	Petroleum Exclusion
			NY Spills	Valve vibrated open during fuel oil transfer, 25 gallons released to Gravesend Bay. NYFD notified.	
			RCRA NonGen / NLR	Facility listed as Historical Generator.	
			US AIRS	Minor permitted air releases.	
			FINDS	Registry ID 110001570675.	
GC906	BAYSIDE FUEL OIL DEPOT CORPORATION	1776 SHORE PARKWAY	NY LTANKS	Various petroleum releases related to fuel oil depot facility operations.	Petroleum Exclusion
			NY MOSF		
			NY VCP		
			NY Spills		
			NY SPDES		
907	2934 BRIGHTON AVE & 12TH	2934 BRIGHTON AVENUE & 12TH	NY Spills	Unspecified paint/water mixture spilled.	Not CERCLA-eligible
GD908	MANHOLE 71176	IFO 3520 NEPTURE AVENUE	NY Spills	Oil sheen on 600 gallons of water in manhole. PCBs=<1 ppm. cleanup completed.	De minimus quantity
909	2750 HOMECREST AVE	2750 HOMECREST AVENUE	NY Spills	Strong odor from unknown material reported coming from residence.	Unknown source
GD910	SPILL NUMBER 9809899	3522 NEPTUNE AVENUE	NY Spills	Unspecified amount of fuel oil leaking from underground line and affecting unknown amount of soil.	Petroleum Exclusion
GD911	3522 NEPTUNE AVE	3522 NEPTUNE AVENUE	NY Spills	Spill report generated for tracking purposes related to NYSDEC's Hurricane Sandy response. 130 gallons fuel oil pumped out.	Petroleum Exclusion
912	MANHOLE 1461	CONEY ISLAND AVENUE & DESMOND	NY Spills	Report of one quart of oil that hasn't been cleaned up. No PCB result reported.	De minimus quantity
GE913	MAN HOLE # 36478	NEPTUNE AVENUE/BRIGHTON 11TH STREET	NY Spills	One quart of oil on 500 gallons of water in manhole. PCBs=<1 ppm. Cleanup completed.	De minimus quantity
914	NYC BD OF ED - PUBLIC SCHOOL 225 K	1075 OCEAN VIEW AVENUE	RCRA-VSQG	Waste Codes D001 (ingnitable), D002 (corrosive), and D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
			NY MANIFEST		
915	CON EDISON - MANHOLE 42321	WEST 35TH STREET	RCRA-LQG	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
			NY MANIFEST		
916	NO PROBLEM CLEANERS	2676 CONEY ISLAND AVENUE	RCRA-VSQG	Inactive dry cleaner. Site now vacant. Waste Code F002 (spent halogenated solvents. No reported unpermitted releases or environmental investigations.	Record does not identify a release
			ICIS		
			US AIRS		
			FINDS		
			ECHO		
			NY MANIFEST		
917	BAYSIDE FUEL TERMINAL	SHORE PARKWAY	NY Spills	Glob of oil reported to surface periodically from barge from a suspected small crack or hole in barge below water line in Gravesend Bay.	Petroleum Exclusion
918	CON EDISON - MANHOLE 64458	FRONT OF 2181 EAST 2ND STREET	RCRA-LQG	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility

TABLE 1
RECORDS INELIGIBLE FOR CONSIDERATION UNDER CERCLA.

EDR Map ID	Site Name	Address	Databases	Comments	Reason Eliminated
919	BRODIE RESIDENCE	2709 WEST 36TH STREET	NY Spills	Caller reported neighbor put unknown chemical on lawn that killed vegetation and his dog recently passed away.	De minimus quantity
920	VAULT VS5445	BENSON AVENUE & 25TH AVENUE	NY Spills	Forty gallons of oil on 200 gallons of water in electrical vault. PCBs=20 ppm. Cleanup completed.	De minimus quantity
921	SPILL NUMBER 0003663	2877 WEST 36TH STREET	NY Spills	One pint of dielectric fluid leaked from overhead transformer to sidwalk. PCBs=<1 ppm. Cleanup completed.	De minimus quantity
922	EXXON DIV OF CFI #70222	2018 STILLWELL AVENUE & 86TH STREET	NY LTANKS	Various petroleum releases and remedial activites associated with former gas station.	Petroleum Exclusion
			NY Spills		
			RCRA NonGen / NLR	Histroical generator of D001 (ignitable) and D018 (benzene) wastes.	RCRA-regulated facility
			FINDS		
			ECHO		
			NY MANIFEST		
			US AIRS	Facility ID: 110004464883	Record does not identify a release
923	DBA RITE AID #04565	2532-54 86TH STREET	RCRA-VSQG	Waste types include ignitables; corrosives; and various metals, P- and U-listed wastes. No violations found.	RCRA-regulated facility
			NY MANIFEST		
924	BAY SHORE GARDEN OWNERS INC	2906 BRIGHTON 12TH STREET	NY Spills	Leaks and violations associated with fuel oil USTs	Petroleum Exclusion
			NY AIRS	AFR ID : 2610700142	Record does not identify a release
925	MANHOLE #71176	NEPTUNE AVENUE @ WEST 36TH STREET	NY Spills	One gallon of oil on 500 gallons of water in manhole. Cleanup completed.	De minimus quantity
GE926	MANHOLE #36478	NEPTUNE AVENUE & CASS PLACE	NY Spills	One pint of oil on 500 gallons of water in manhole. No PCB results reported. Cleanup completed.	De minimus quantity
927	701 AVENUE W/BKLYN	701 AVENUE W	NY Spills	Unspecified spill of petroleum.	Petroleum Exclusion
GF928	MANHOLE 65087	WEST STREET SOUTH OF AVENUE U	NY Spills	three gallons of oil on mud in manhole. No PCB results reported. Cleanup complete.	De minimus quantity
GF929	344 AV U/BKLYN/U S POSTAL	344 AVENUE U	NY Spills	Report of smoke and fumes in post office. No report of a release.	Record does not identify a release
GG930	FAMILY CLEANERS	1137 BRIGHTON BEACH AVENUE	RCRA-SQG	Former dry cleaner that generated spent halogenated solvents (F002) that were manifested off site. Site now occupied by a produce market. No report of unpermitted releases or environmental investigations.	Record does not identify a release
			ICIS		
			US AIRS		
			FINDS		
			ECHO		
			NY MANIFEST		
			RI Manifest		
931	GABBAY HOME	2235 EAST 4TH STREET	NY Spills	Residential oil line leaked unspecified amount of fuel oil. Line repaired.	Petroleum Exclusion
932	CON EDISON - MANHOLE 56987	1122 AVENUE Y	RCRA-LQG	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
			NY MANIFEST		
933	2911 WEST 36TH STREET (HURRICANE SANDY)	2911 WEST 36TH STREET	NY Spills	Spill report created for tracking purposes for NYSDEC's Hurricane Sandy response. NYSDEC pumped a total of 4,620 gallons of fuel oil from an unspecified tank. No report of a release.	Record does not identify a release
GH934	MANHOLE #63737	CONEY ISLAND AVENUE & AVENUE X	NY Spills	One pint of dielectric fluid on 200 gallons of water in manhole. No PCB conc. reported. Spill contained, cleanup pending.	De minimus quantity
GI935	2846 W 36TH STREET (HURRICANE SANDY)	2846 WEST 36TH STREET	NY Spills	Spill report created for tracking purposes for NYSDEC's Hurricane Sandy response. NYSDEC pumped 100 gallons of fuel oil from an unspecified tank. No report of a release.	Record does not identify a release

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EDR Map ID	Site Name	Address	Databases	Comments	Reason Eliminated
GJ936	98 AVENUE T	98 AVENUE T	NY Spills	Residential fuel oil delivery to wrong house no longer using oil, but fill pipe still in place. Pumped approximately 50 gallons into basement. FDNY responded and directed oil company to pump out basement.	Petroleum Exclusion
GI937	2850 W. 36TH ST	2850 WEST 36TH STREET	NY Spills	Two hundered-gallon residential fuel oil spill to basement. FDNY reponded. No additional information reported.	Petroleum Exclusion
938	2665 HOMECREST AVENUE	2665 HOMECREST AVENUE	NY Spills	Report of oil in basement and sump of apartment building after heavy rain. Oil cleaned from basement floor, tank investigated.	Petroleum Exclusion
939	2035 WEST 4TH ST	2035 WEST 4TH STREET	NY Spills	Caller reported oil spill outiside neighbor's house of unknown quantity. No additional information reported.	Petroleum Exclusion
940	BOILER ROOM FLOOR	1213 AVENUE Z	NY Spills	During boiler replacement oil seeped up through broken concrete. Oil absorbed and quantity diminished over time.	Petroleum Exclusion
GH941	COMMERCIAL BUSINESS	2660 CONEY ISLAND AVENUE	NY Spills	Property owner notified of need to conduct environmental investigation and remediation of subsurface contamination from histroical gas station.	Petroleum Exclusion
942	SPILL NUMBER 0209428	3049 BRIGHTON 14TH STREET	NY Spills	Spill of 100 gallons of residential fuel oil during delivery. Oil spilled on side of house and driveway and migrated to storm drain. Oil company responded.	Petroleum Exclusion
GK943	APARTMENT BUILDING	2424 CROPSEY AVENUE	NY Spills	Phase I and II investigations triggered by property sale revealed petroleum release and histroical sources.	Petroleum Exclusion
944	8664 25TH	8664 25TH AVENUE	NY Spills	Caller reported fuel oil tank appears to be leaking from unspecified equipment failure. No additional information reported.	Petroleum Exclusion
945	FORGERTY LAKE FLOWER MARINA	253 LAKE FLOWER AVENUE, SARANAC LAKE	NY Spills	Report of marina discharging paint to lake via pipe under dock.	Beyond study area
GG946	APRT BUILDING	1151 BRIGHTON BEACH AVENUE	NY Spills	Spill of 10 gallons of fuel oil onto sidewalk due to "faulty garage on apartment." Cleanup was in progress.	Petroleum Exclusion
GL947	INTERSECTION - ACCIDENT	86TH STREET AND BAYTH STREET	NY Spills	Traffic accident affected Con Edison service boxes and resulted in diesel spill to street of 100 gallons. Pooled antifreeze also noted on water. FDNY and Con Edsion reponded.	De minimus quantity
948	MANHOLE 62619	AVENUE Z/HOMECREST AVENUE	NY Spills	One once of dielectric fluid on 500 gallons of water in manhole. PCBs=256 ppm. Compsite soil sample from earthen sump PCBs=2 ppm. Cleanup completed.	De minimus quantity
949	162 AVE T OFF WEST	7TH STREET	NY Spills	FDNY responded to spill of unspecified insecticide, quantity not reported. No additional information reported.	De minimus quantity
GJ950	90 AVE I/BKLYN	90 AVENUE T	NY Spills	Report of a leaking fuel oil tank. Reported quantity was three gallons. Sorbents used for cleanup.	Petroleum Exclusion
GM951	POLE #56166	54-14 AVENUT T	NY Spills	One pint of oil leaked from overhead transformer to sidewalk and reportedly contacted two people sitting in a nearby van. PCBs=12ppm. Spill cleaned up.	De minimus quantity

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EDR Map ID	Site Name	Address	Databases	Comments	Reason Eliminated
952	SPILL NUMBER 9713127	2456 12TH STREET	NY Spills	Fuel oil delivery to wrong residence with disconnected fill pipe. 150-200 gallons released to basement. Oil company responded.	Petroleum Exclusion
GN953	CON EDSION - MANHOLE 42310	SURF AVENUE	RCRA-LQG NY MANIFEST	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility

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GN954	CON EDSION - MANHOLE 42314	SURF AVENUE	RCRA-LQG NY MANIFEST	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
955	HM PLUMBING	2232 MCDONALD AVENUE	NY Spills	Caller reported plumber discharging grease to sidewalk. Plumber denied discharge, caller unable to provide additional information. Spill closed.	De minimus quantity
GK956	MANHOLE 6659	INTERSECTION OF CROPSEY AVENUE AND 24TH STREET	NY Spills	Two gallons of oil on 50 gallons of water in manhole. PCBs=<1 ppm. Cleanup completed.	De minimus quantity
957	CON EDISON - MANHOLE 58962	CASS PLACE & CORBIN PLACE	RCRA-LQG	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
958	OVERFLOW FROM OLD O/W SEPARATOR	3 AVENUE WORKOUT LOCATION	NY Spills	Weather-releated discharge of 1/2 gallon from oil/water separator migrated to sewer.	Petroleum Exclusion
GP959	BJS WHOLESALE CLUB #195	1752 SHORE PARKWAY	RCRA-VSQG NY MANIFEST	Waste types include ignitables; corrosives; spent halogenated solvents; and various metals, P- and U-listed wastes. No violations found.	RCRA-regulated facility
GP960	MIDWOOD CONTAINER CORP.	1752 SHORE PARKWAY	NY SWF/LF NY Spills	Former bus company facility built on urban fill contaminated with petroleum from histroical on-site USTs and adjacent Bayside fuel terminal. Site has been redeveloped into a BJs Wholesale Club. Site discovered by NYSDEC prior to redevelopment, when nine abadoned drums (some leaking) were reported. Drums found to contain waste oil and garbage were removed. Remediation of the site was conducted under NYSDEC oversight.	Petroleum Exclusion
GM961	CUSTOMERS DRIVEWAY	61-21 AND 61-23 AVENUE T	NY Spills	Spill of 1/2 gallon of hydraulic fluid from commercial vehicle. Spill cleaned up.	Petroleum Exclusion
GL962	RETAIL PROPERTY	2515 86TH STREET	NY Spills	Petroleum contamination at commercial property from histroical gas station.	Petroleum Exclusion
GQ963	MH 36481	EMMONS AVENUE/EAST 14TH STREET	NY Spills	Three quarts of oil on 300 gallons of water in manhole. PCBs=<1 ppm. Cleanup completed.	De minimus quantity
GR964	MANHOLE #55328	EAST 13TH STREET/SHORE PARKWAY	NY Spills	One pint of oil on 100 gallons of water in manhole. PCBs=<1 ppm. Cleanup completed.	De minimus quantity
GR965	MANHOLE 62793	SHORE PARKWAY - EAST 13TH STREET	NY Spills	Two quarts of oil on 1,000 gallons of water in manhole. PCBs=<1 ppm. Cleanup completed.	De minimus quantity
GR966	MH 2213	EAST 13TH STREET/SHORE PARKWAY	NY Spills	Four gallons of oil on 150 gallons of water in manhole. PCBs=< 1 ppm.	De minimus quantity
GS967	AVEU/BETWEEN E. 1ST & 2ND	AVENUE U BETWEEN EAST 1ST AND 2ND STREETS	NY Spills	Three-gallon spill of hydraulic fluid from broken line on commercial vehicle. Spill cleaned up.	Petroleum Exclusion
GT968	MANHOLE 71180	2813 WEST 37TH STREET	NY Spills	One gallon of oil on 200 gallons of water in manhole. PCBs=<1 ppm. Spill cleaned up.	De minimus quantity

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EDR Map ID	Site Name	Address	Databases	Comments	Reason Eliminated
969	BP PRODUCTS NORTH AMERICA INC #36604	2624 CONEY ISLAND AVENUE	RCRA-SQG NY LTANKS NY Spills FINDS NJ Manifest NY MANIFEST	Petroleum and petroleum-related soil and groundwater contamination from gas station activities.	Petroleum Exclusion
GT970	POLE 13609	2817 WEST 37TH STREET	NY Spills	Leak of one gallon of transformer oil to concerete. No sample collected. Spill cleaned up.	De minimus quantity
971	CRAWFOR AVE OFF	CRAWFORD AVENUE OFF CONEY ISLAND AVENUE	NY Spills	Abdondoned 275-gallon tank of waste oil on side of road picked up during drum run. No report of a release.	Record does not identify a release
972	APARTMENT BUILDING	3028 WEST 36TH STREET	NY Spills	NYSDEC followed-up on histroical report of leaking oil ASTs at apartment building. Observations indicated property is an empty lot and no tanks present. Any surface contamination assumed to be washed away. Spill was closed.	Petroleum Exclusion
973	RESIDENCE	2841 WEST 37TH STREET	NY Spills	Five gallons of transformer oil leaked onto pavment. No sample collected. Spill cleaned up.	De minimus quantity
974	CON EDISON - MANHOLE 42308	3601 SURF AVENUE	RCRA-LQG	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
GQ975	SCIENTIFIC COMPONENTS CORP	13 NEPTUNE AVENUE	RCRA-VSQG FINDS ECHO NY MANIFEST NJ Manifest	Active electronic component manufacturer that generates and manifeste off site Waste Codes D001 (ignitable), F003 (spent non-halogented solvents), D005 (barium), D007 (chromium), D035 (methyl ethyl ketone), U239 (dimethyl benzne). NOVs regarding universal wastes listed as Case Closed. No reports of a release.	Record does not identify a release
GU976	MANHOLE 71178	NEPTUNE AVENUE/WEST 37 TH STREET	NY Spills	Oil sheen on 400 gallons of water in manhole. PCBs=<1 ppm. Spill cleaned up.	De minimus quantity
GU977	MANHOLE 71178	NEPTUNE AVENUE/WEST 37 TH STREET	NY Spills	One half gallon on 100 gallons of water in manhole. PCBs=<1 ppm. Spill cleaned up.	De minimus quantity
GU978	MANHOLE #71178	NEPTUNE AVENUE/WEST 37 TH STREET	NY Spills	One pint of oil on 200 gallons of water in manhole. PCBs=<1 ppm. Cleanup completed.	De minimus quantity
GU979	VAULT 5694	NEPTUNE AVENUE/WEST 37 TH STREET	NY Spills	One pint of dielectric fluid on soil in manhole. PCBs=19 ppm. Spill cleaned up.	De minimus quantity
GV980	NYCT - AVENUE T SUBSTATION	165 AVENUE T	RCRA-SQG NY MANIFEST	Waste Codes B004 (PCB material 50-<500 ppm), B007 (other PCB wastes), and D009 (mercury).	RCRA-regulated facility
981	EATHEN SUMP IN MANHOLE # 62612	BRIGHTWATER AVENUE NEAR 14TH STREET	NY Spills	Less than one once of dielectric fluid found in manhole earthen sump. No sample collected.	De minimus quantity
GU982	MANHOLE #71178	NEPTUNE AVENUE & WEST 37TH STREET	NY Spills	Oil sheen on 500 gallons of water in manhole. PCBs=<1 ppm. Manhole near ocean, mutiple water incursions.	De minimus quantity
983	POLE 53696	1237 AVENUE Z	NY Spills	One pint of dielectric fluid from overhead transformer to concrete. No sample, spill cleaned up.	De minimus quantity
984	13-74 BRIGHTON 14TH STREET	13-74 BRIGHTON 14TH STREET	NY Spills	Leak of 10 gallons of hydraulic oil from commercial vehicle. Spill cleaned up.	Petroleum Exclusion
985	W. 10TH ST & AVE B.	WEST 10TH STREET AND AVENUE B	NY Spills	Unspecified release of raw sewage from Avenue B pump station.	Not CERCLA-eligible

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EDR Map ID	Site Name	Address	Databases	Comments	Reason Eliminated
986	OFF-SITE FOUNDATION FOR TORAH STUDIES PROJECT	402 AVENUE U	NY Brownfields NY Spills	Petroleum and petroleum-related soil, groundwater, and soil vapor contamination from histroical gas station activities. Site and adjacent properties to be addrssed by NY's BCP. Site to be redeveloped as a synagogue and residential units.	Petroleum Exclusion
987	40 SOMETHING BAY 38	BAY 38TH BETWEEN BENSON AND 86TH STREET	NY Spills	Caller reporting neighbor spraying garden and tree with unknown pesticide. NYSDEC unable to confirm address. Spill closed.	De minimus quantity
GV988	1983 WEST 7TH STREET	1983 WEST 7TH STREET	NY Spills	Unspecified report of a tank discarded in roadway. No report of a release.	Record does not identify a release
GW989	NYC SCHOOL	8787 24TH AVENUE	NY Spills	Twenty-gallons of fuel oil leaked to boiler room floor. Cleanup completed.	Petroleum Exclusion
GW990	INTERMEDIATE SCHOOL 281K	8787 24TH AVENUE	RCRA-LQG FINDS NY MANIFEST	Waste Codes B004 (PCB material 50-<500 ppm and unknown) and B007 (other PCB wastes). No violations found.	RCRA-regulated facility
991	KOPELOWITZ HOME	79 CORBIN PLACE	NY Spills	Residential fuel oil AST inside home suspected of leaking passed tank tightness test.	Record does not identify a release
GW992	24 AVE / BATH AVE	24TH AVENUE / BATH AVENUE	NY Spills	Five gallons of oil on mud in electrical vault. PCBs=18 ppm. Spill cleaned up.	De minimus quantity
GS993	2124 EAST 2ND ST/BKLYN	2124 EAST 2ND STREET	NY Spills	NYSDEC note to test soil below concrete floor in basement as the site was a former gas station. No additional information.	Petroleum Exclusion
GX994	VS #6424	86TH & WEST OF 25TH AVENUE	NY Spills	Six gallons of dielectric fluid on 20 gallons of water in electrical vault. No sample collected. Spill contained to vault.	De minimus quantity
GX995	TRAFFIC ACCIDENT	86TH & 25TH AVENUE	NY Spills	Leak of five gallons of hydraulic oil fom a commercial vehicle. Spill migrated to storm drain.	Petroleum Exclusion
GX996	MTA NYCT - 25TH AVE STATION D LINE	25TH AVENUE & 86TH STREET	RCRA-SQG	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
997	MANHOLE #1865	AVENUE V & OCEAN PARKWAY	NY Spills	Two gallons of oil on 100 gallons of water. No sample reported.	De minimus quantity
998	VAULT 6485	BATH 37TH STREET/SOUTH OF BENSON	NY Spills	One gallon of oil on soil in electrical vault. PCBs=<1 ppm. Cleanup completed.	De minimus quantity
999	MANHOLE 1458	LANCASTER AVENUE/CONEY ISLAND AVENUE	NY Spills	One pint of oil on 200 gallons of water in manhole. PCBs=<1 ppm. Cleanup completed.	De minimus quantity
1000	PRIVATE RESIDENCE	1982 WEST 7TH STREET	NY Spills	Caller reported petroleum odor in his apartment and neighborhood. NYSDEC did not notice odor or identify a source.	Record does not identify a release
GY1001	MOBIL OIL S/S 17-F39	1 NEPTUNE AVENUE	NY UST NY Spills	Multiple closed/removed gasoline USTs at closed gas station. Report of gasoline and vapors in underground utilities attributed to suspected tank leak at closed gas station. No report of source confirmation.	Record does not identify a release Petroleum Exclusion
GY1002	TM 1963	NEPTUNE AVENUE & EAST 14TH STREET	NY Spills	One pint of water on 300 gallons of water in manhole. PCBs=<1 ppm. Cleanup completed.	De minimus quantity
GY1003	4 SHORE BLVD	4 SHORE BOULEVARD	NY Spills	Sheen observed on Sheepshead Bay. USCG reponded.	De minimus quantity
GY1004	LOT ON EMMONS AVE.	EMMONS AVENUE	NY Spills	Two garbage bags of medical waste observed on lot. NYSDEC responded.	Not CERCLA-eligible

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EDR Map ID	Site Name	Address	Databases	Comments	Reason Eliminated
GY1005	EMMONS AVENUE	EMMONS AVENUE	NY Spills	Sheen observed on Sheepshead Bay. USCG deferred to NYCDEP.	De minimus quantity

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EDR Map ID	Site Name	Address	Databases	Comments	Reason Eliminated
GZ1006	CON EDISON - MANHOLE 42312	LOCUST AVENUE & EAST 138TH STREET	RCRA-LQG NY MANIFEST	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
GZ1007	VAULT 1814	WEST 37TH STREET AND SURF AVENUE	NY Spills	Five gallons of transformer oil on 300 gallons water in electrical vault. No sample reported.	De minimus quantity
GY1008	SHEEPS HEADBAY PIER	EMMONS AVENUE/SHORE BOULEVARD	NY Spills	Three abandoned 55-gallon drums of unspecified material reported. NYSDEC recovered 165 gallons of unknown material.	De minimus quantity
GY1009	EMMONS AVE & SHORE BLVD	EMMONS AVENUE & SHORE BOULEVARD	NY Spills	Update to sheen observed on Sheepshead Bay. Caller referred to booms placed to contain oil and outfall source now "undetectable."	De minimus quantity
GY1010	MANHOLE #36481	NEPTUNE AVENUE AND SHORE BOULEVARD	NY Spills	One gallon of oil on 30 gallons water in manhole. PCBs=<1 ppm. Cleanup complete.	De minimus quantity
GY1011	EMMONS AVE & SHORE RD	EMMONS AVENUE & SHORE ROAD	NY Spills	Unspecified petroleum observed leaking into Sheepshead Bay. Booms placed. USCG responded.	Petroleum Exclusion
GY1012	SHEEPS HEAD BAY	EMMONS AVENUE & SHORE ROAD	NY Spills	Caller reported someone dumping gasoline into strom drain. No additional information.	Petroleum Exclusion
GY1013	SHEEPSHEAD BAY	EMMONS AVENUE & SHORE ROAD	NY Spills	Caller reported a 5-gallon spill of unknown material that had been cleaned up. Spiller unidentified.	De minimus quantity
1014	841 GRAVESEND BAY/BKLYN	841 GRAVESEND BAY	NY Spills	Sheen observed on Gravesend Bay. USCG reponded but found nothing.	Unknown source
GY1015	SHEEPHEAD BAY	SHORE ROAD AND NEPTUNE AVENUE	NY Spills	Report of dead fish in the water. Referred to NYSDEC Marine Resources.	Record does not identify a release
GZ1016	37TH STREET AND	37TH STREET & SURF AVENUE	NY Spills	Unspecified quantity of dielectric fluid leaked from vacuum truck. Cleanup completed.	De minimus quantity
GZ1017	MANHOLE #1814	WEST 37TH STREET AND SURF AVENUE	NY Spills	One pint of oil on 50 gallons of water in manhole. PCBs=<1 ppm. Cleanup completed.	De minimus quantity
1018	MANHOLE #42493	3712 SURF AVENUE	NY Spills	Three gallons of oil on 600 gallons of water in manhole. No PCB results reported. Cleanup pending results.	De minimus quantity
GY1019	SHEEPS HEAD BAY	EMMONS AVENUE & WEST END AVENUE	NY Spills	USCG investigating spill of garbage and suspected petroleum in Sheepshead Bay.	Unknown source
HA1020	WALGREENS #10441	2590 CONEY ISLAND AVENUE	RCRA-LQG FINDS ECHO NY MANIFEST	Waste types include ignitables; corrosives; and various metals, P- and U-listed wastes. No violations found.	RCRA-regulated facility
HB1021	JACK ELMANN RES.	1029 CRAWFORD AVENUE		Backup of raw sewage into residential basement.	Not CERCLA-eligible
HC1022	FORMER BARRON'S SERVICE STATION	2353 CROPSEY AVENUE	NY Spills	Severe petroleum and petroleum-related contamination from former service station. Soil and groundwater contamination, as well as subsurface intrusion into residential spaces being addressed under NYSDEC and NYSDOH oversight.	Petroleum Exclusion
1023	DRUM IN DRIVE WAY	15 SLOAN PLACE	NY Spills	Thirty-five-gallon drum of suspected waste fuel oil on private proerty. As drum was not leaking, left in place.	Record does not identify a release
HC1024	252 BAY 35TH ST	252 BAY 35TH STREET	NY Spills	Suspected punctured fuel oil tank based on strong odor in residence.	Petroleum Exclusion
1026	IN FRONT OF 3724 NAUTILUS AVE	3724 NAUTILIS AVENUE	NY Spills	Three gallons of fuel oil spilled due to broken hose on oil truck. Spill addrssed by oil company.	Petroleum Exclusion

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EDR Map ID	Site Name	Address	Databases	Comments	Reason Eliminated
HD1027	RESIDENTIAL BUILDING	110 SHORE BOULEVARD	NY Spills	Spill report created for tracking purposes related to NYSDEC's Hurrican Sandy response. Fuel oil spilled in basement as tank displaced by flooding. Building operator pumped oil/water mixture into street.	Petroleum Exclusion
GZ1028	3700 SURF AVE/BKLYN	3700 SURF AVENUE	NY Spills	Bottle of blood found on beach.	Not CERCLA-eligible
1029	LOURDES RESIDENCE	210 CORBIN PLACE	NY Spills	Soil contamination discovered during residential fuel oil tank removal.	Petroleum Exclusion
HA1030	MANHOLE 1457	CONEY ISLAND AVENUE/ANENUE W	NY Spills	Two gallons of oil on 500 gallons of water in manhole. PCBs=<1 ppm. Cleanup completed.	De minimus quantity
1031	3721 CYPRESS AVE	3721 CYPRESS AVENUE	NY Spills	Spill report created for tracking purposes related to NYSDEC's Hurrican Sandy response. One hundered gallons of fuel oil removed from residence. No report of a release.	Record does not identify a release
HE1032	2342 CROPSEY AVENUE	2342 CROPSEY AVENUE - SUNOCO	NY Spills	Soil borings revealed visual and instrumental evidence of petroleum contamination at gas station.	Petroleum Exclusion
HE1033	CON EDISON - SERVICE BOX 60632	2342 CROPSEY AVENUE	RCRA-LQG	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
HF1034	PVT DWELLING	118 WEST END AVENUE	NY Spills	Hurricane Sandy follow-up of reported fuel oil spill to parking area. No evidence of release observed by NYSDEC. Spill administratively closed.	Petroleum Exclusion
HB1035	RESIDENCE	1039 CRAWFORD AVENUE	NY Spills	Fuel oil spill at apartment building due to faulty fill line. Residents in basement impacted by oil-soaked flooring and walls, upper floors impacted by odors.	Petroleum Exclusion
HF1036	CON EDISON - MANHOLE 57829	104 WEST END AVENUE	RCRA-LQG	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
HG1037	NYC DEPT OF EDUCATION IS 98K SCHOOL	1401 EMMONS AVENUE	RCRA-LQG	Waste Codes B004 (PCB material 50-<500 ppm) and B007 (other PCB wastes). No violations found.	RCRA-regulated facility
HG1038	PS 98 K	1401 EMMONS AVENUE	NY LTANKS	Initial tank test failure and subsequent passing.	Record does not identify a release
			NY Spills	Soil borings near fuel oil USTs revealed petroleum contamination. Tanks removed and soil excavated.	Petroleum Exclusion
1039	RESIDENCE	1979 WEST 4TH STREET	NY Spills	Caller broke a mercury thermometer. Poison control advised on cleanup.	De minimus quantity
HD1040	IN BOILER ROOM	110 SHORE BOULEVARD	NY AST	5000-gallon fuel oil AST	Record does not identify a release
			NY Spills	Oil/Water mixture observed in boiler room	Petroleum Exclusion
1041	CON EDISON - MANHOLE 63038	47 WEST END AVENUE	NY Spills	Fuel oil in manhole suspected to be from nearby basement that was pumped out after Hurricane Sandy.	Petroleum Exclusion
			NY MANIFEST		
HG1042	SHEEPSHEAD BAY	EMMONS AVENUE	NY MANIFEST	Sheen reported on Sheepshead Bay. USCG notified.	Unknown source
HG1043	SPILL NUMBER 9907368	EAST 15TH STREET & EMMONS AVENUE	NY Spills	Caller reported oil on ocean.	Unknown source
1044	156 WEST END AVENUE	156 WEST END AVENUE	NY Spills	Caller reported odor coming from storm drains. NYCDEP and USCG notified.	Unknown source
1045	219695; 1947 W. 7 Street	1947 West 7th Street	NY Spills	Unspecified petroleum release.	Petroleum Exclusion
HH1046	CVS PHARMACY #2700	1402 SHEEPSHEAD BAY	RCRA-VSQG	Waste types include ignitables; corrosives; and various metals, P- and U-listed wastes. No violations found	RCRA-regulated facility
			NY MANIFEST		

TABLE 1
RECORDS INELIGIBLE FOR CONSIDERATION UNDER CERCLA.

EDR Map ID	Site Name	Address	Databases	Comments	Reason Eliminated
				Violations found.	
1047	PRIVATE DWELLING	3738 LYME AVENUE	NY Spills	Five to six containers of various unidentified pesticides left by extermintor who moved collected by landlord and left in driveway pending pickup. No report of a release.	Record does not identify a release
1048	ABANDONED DRUM	ACROSS FROM 3730 BAYVIEW AVENUE	NY Spills	Drum of used oil reported and picked up during NYSDEC drum run. No report of a release.	Record does not identify a release
1049	VAULT #6235	CONEY ISLAND AVENUE & GRAVESEND AVENUE	NY Spills	Release of five gallons of dielectric fluid from overheater transformer in electical vault.	De minimus quantity
1050	CON EDISON - MANHOLE 70089	1937 STILLWELL AVENUE AND 25TH AVENUE	RCRA-LQG NJ Manifest NY MANIFEST	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
1051	61 PRECINCT NYPD-DDC	2575 CONEY ISLAND AVENUE	NY LTANKS NY Spills	Record is a summary of remedial efforts, analytical results, and NYSDEC comments regarding petroleum contamination from gasoline USTs at a police station.	Petroleum Exclusion
1052	KINGSBOROUGH COMMUNITY COLLEGE	KINGSBOROUGH COMMUNITY COLLEGE	NY Spills	Petroleum contamination discovered during contruction at community college.	Petroleum Exclusion
HH1053	1424 SHEEPSHEAD BAY RD	1424 SHEEPSHEAD BAY ROAD	NY Spills	Summary of responses to residential fuel oil release affecting two neighboring properties.	Petroleum Exclusion
1054	HURRICANE SANDY FUEL SPILL TO BASEMENT	1511 EMMONS AVENUE	NY Spills	Petroleum odor emmanating from home abandoned after Hurricane Sandy NYSDEC unable to enter home.	Petroleum Exclusion
1055	X	2146 EAST 6TH STREET	NY Spills	Report notes cleanup of unspecified spill of five gallons of fuel oil.	Petroleum Exclusion
1056	RESIDENCE	2453 EAST 13TH STREET	NY Spills	Spill of unknown quantity (bucket) of fuel oil to basement floor during boiler clean out. Contained to basement.	Petroleum Exclusion
HI1057	POPULAR FORD	2547 CONEY ISLAND AVENUE	NY Spills	Petroleum contamination discovered in the vicinity of hydraulic lifts.	Petroleum Exclusion
1058	MANHATTAN BEACH CLEANERS	183 WEST END AVENUE	RCRA-VSQG ICIS US AIRS FINDS ECHO NY MANIFEST	Active dry cleaners. Waste Codes D001 (ignitable), F002 (spent halogenated solvents), and D039 (PCE). NOVs and enforecement actions reported. Minor air emitter. No report of unpermitted releases or environmental investigations.	RCRA-regulated facility
1059	INTERSECTION MANHOLE #4	EAST14TH STREET/AVENUE Y	NY Spills	Caller reported oil/water mixture in street entering sewer.	Petroleum Exclusion
1060	CON EDISON - MANHOLE 37310	3761 OCEANIC AVENUE	RCRA-LQG NY MANIFEST	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
HJ1061	VERIZON	1501 VORHEES AVENUE	NY Spills	Historical petroleum contamination being addressed at commercial property.	Petroleum Exclusion
HJ1062	CONSTRUCTION SITE	1501 VORHEES AVENUE	NY Spills	One hundered-gallon spill of diesel fuel and hydraulic oil from overturned pile driver at construction site. Clean up pending rightening of rig.	Petroleum Exclusion
HJ1063	VERIZON BUILDING	1501 VORHEES AVENUE	NY Spills	Soil impacted by hydraulic lift removal at property.	Petroleum Exclusion
1064	ONE GAL OIL FOUND IN VS #3626	AVENUE W & EAST 12TH STREET	NY Spills	One gallon of oil on 10 gallons of water in electrical vault. No PCB conc. reported.	De minimus quantity

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EDR Map ID	Site Name	Address	Databases	Comments	Reason Eliminated
HI1065	POPULAR FORD SALES	2533 CONEY ISLAND AVENUE	NY Spills	Leak of one quart of motor oil from pin hole in commercial vehicle oil pan.	Petroleum Exclusion
			RCRA NonGen / NLR FINDS ECHO NY MANIFEST NJ Manifest	Waste Codes D001 (ignitable), D002 (corrosive), D006 (cadmium), D008 (lead), D018 (benzene). No violations found.	RCRA-regulated facility
HK1066	POLE 68924	3754 POLAR STREET	NY Spills	Two pints of oil leaked from overhead transformer. Oil sprayed on to street, cars, and vegetation on private property. Transformer listed as "Non-PCB", no sample collected. Cleanup completed.	De minimus quantity
HL1067	21394; BAY 35 ST AND BENSON AVE	BAY 35TH STREET AND BENSON AVENUE	NY Spills	Five-gallon release of unspecified petroleum. No additional information.	Petroleum Exclusion
1068	SOIL	2286 EAST 12TH STREET	NY Spills	Minor leak from fuel oil AST in basement. Tank removed when converted to gas.	Petroleum Exclusion
HM1069	SHEEP HEADS BAY PIER	UNKNOWN	NY Spills	Caller reported vessel sank at pier. Report indicates 1,200 gallons of petroleum.	Petroleum Exclusion
HM1070	SHEEPS HEAD BAY	EMMONS AVENUE/EAST 16TH STREET	NY Spills	Discolored water and dead fish suggest oil or chemical spill.	Petroleum Exclusion
HM1071	SHEEP HEADS BAY PIER	EMMONS AVENUE	NY Spills	NYSDEC observed diesel and antifreeze discharging from sunken vessel.	Not CERCLA-eligible
HN1072	SOIL	1517 VOORHIES AVENUE	NY Spills	One hundred gallons of diesel spilled from unspecified overturned machine.	Petroleum Exclusion
HO1073	255 GALLONS OIL IN TM #2407	SEAGATE AVENUE & NEPTUNE AVENUE	NY Spills	Twenty-five gallons of transformer oil on 200 gallons of water in manhole. No PCB results reported. Cleanup completed.	De minimus quantity
HO1074	TRANSFORMER MOAT #2407	SEAGATE AVENUE & NEPTUNE AVENUE	NY Spills	Oil sheen on electrical vault floor. No PCB results reported. Cleanup completed.	De minimus quantity
HO1075	MANHOLE #2407	SEAGATE AVENUE & NEPTUNE AVENUE	NY Spills	One pint oil on five gallons water in manhole. PCBs=<1 ppm. Cleanup complete.	De minimus quantity
1076	FORMER NURSING HOME	2300 CROPSEY AVENUE	NY LTANKS NY Spills	Transfer of property revealed various tank test failures, UST closures, and contaminated soil from historical operations.	Petroleum Exclusion
1077	MH 1433	OCEAN PARKWAY & AVENUE U	NY Spills	One gallon of dielectric fluid on dry manhole floor. No PCB results reported. Cleanup completed.	De minimus quantity
1078	1905 W 10TH ST APTS	1905 WEST 10TH STREET	NY Spills	Caller reported "colorless, odorless chemical" in her apartment. Call refered to NYPD. No NYSDEC action required.	Record does not identify a release
1079	SEA GATE AV & NAUTILUS AVE	SEAGATE AVENUE & NAUTILUS AVENUE	NY Spills	Spill report created for tracking purposes related to NYSDECs Hurricane Sandy response. Five hundered gallons of fuel oil pumped out of private residence. No report of a release.	Record does not identify a release
1080	TONY'S CLEANERS & TAYLORS	2310 BATH AVENUE	RCRA-VSQG ICIS US AIRS FINDS ECHO NY MANIFEST RI Manifest	Active dry cleaners. Waste Codes D001 (ignitables), D007 (chromium), D039 (PCE), D040 (TCE)and F002 (spent halogenated solvents); adminsitrative NOV; and minor air emitter. No record of unpermitted releases or environmental investigations.	RCRA-regulated facility
1081	MANHOLE 65069	AVENUE T & EAST 2ND STREET	NY Spills	One pint of dielectric fluid leaked due to equipment failure. No PCB results reported. Cleanup pending sample results.	De minimus quantity

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EDR Map ID	Site Name	Address	Databases	Comments	Reason Eliminated
1082	POLE 11477	1103 SHEEPSHEAD BAY	NY Spills	One gallon of transformer oil leaked from overhead transformer impacting sidewalk and private vehicles. No PCB results reported. Cleanup pending crew arrival.	De minimus quantity
1083	CON EDISON - MANHOLE MH64296	2382 EAST 13TH STREET	RCRA-LQG NY MANIFEST	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
HN1084	1525 VOORHIES AVE/BKLYN	1525 VOORHIES AVENUE	NY Spills	Minor spill of fuel oil when delivery driver dropped nozzle.	Petroleum Exclusion
1085	MAN HOLE 44579	MAPLE AVENUE AND SEA GATE AVENUE	NY Spills	Two gallons of dielectric fluid leaked in manhole. No PCB results reported. Cleanup pending sample results.	De minimus quantity
1086	APT BUILDING	2775 EAST 16TH STREET	NY AST NY Spills	Unspecified amount of fuel oil spilled when basement AST was displaced during Hurricane Sandy. Soil excavation halted due to engineering concerns. NYSDEC reported residnual contamination acceptable.	Petroleum Exclusion
HL1087	NYC DEPT OF EDUCATION - PS 101K	2360 BENSON AVENUE	RCRA-SQG	Waste Codes B004 (PCB material 50-<500 ppm) and B007 (other PCB wastes). No violations found.	RCRA-regulated facility
HP1088	SOIL	1515 AVENUE Z	NY Spills	Residual petroleum contamination discovered during site redevelopment.	Petroleum Exclusion
HP1089	SPILL NUMBER 0207183	1515 AVENUE Z	NY LTANKS NY Spills	Update to HP1088 - Report stated remediation nearly complete.	Petroleum Exclusion
HK1090	SEA GATE AV & POPLAR AVE	SEA GATE AVENUE & POPULAR AVENUE	NY Spills	Spill report created for tracking purposes releated to NYSDEC's Hurricane Sandy response. Reported 2,300 gallons of fuel oil removed. No report of a release.	Record does not identify a release
HQ1091	SOUTH OF BAYVIEW AVE	WEST SIDE OF SEAGATE AVENUE	NY Spills	Caller reported transformer oil leaked on ground and a Con Edison van.	De minimus quantity
HQ1092	POLE #69776	SEAGATE AVENUE/BAYVIEW AVENUE	NY Spills	Twelve drops of transformer oil leaked onto street. Transformer record shows PCBs=1 ppm.	De minimus quantity
HR1093	VACANT LOT CONEY ISLAND	WEST 17 STREET, MERMAID & SURF AVENUES	NY Spills	Anonymous unsubstantiated complaint regarding city-owned trucks dumping oil to pavement. Spill closed.	Petroleum Exclusion
HR1094	VAULT TM2838	SURF AVENUE & SEAGATE AVENUE	NY Spills	One-half pint of oil on 50 gallons of water in electrical vault. PCBs=<1 ppm. Cleanup completed.	De minimus quantity
1095	MANHOLE #58769	AVENUE V AND EAST 9TH STREET	NY Spills	One-half pint of dielectric fluid in manhole. PCBs=<1 ppm. Cleanup completed.	De minimus quantity
1096	223 HAMPTON AVE.	223 HAMPTON AVENUE	NY Spills	Complaint of cloudy drinking water and particulates after installation of water meter.	Record does not identify a release
1097	MANHOLE 64905	AVENUE S & WEST 8TH STREET	NY Spills	One-half gallon of oil on two gallons water in manhole. PCBs=<1 ppm. Cleanup completed.	De minimus quantity
1098	AT INTERSECTION	EAST 16TH STREET AND SHEEPSHEAD BAY	NY Spills	Minor spill of transmission fluid from city bus.	Petroleum Exclusion
1099	2170 E. 9TH ST	2170 EAST 9TH STREET	NY Spills	Caller reported unspecified strong smell coming from sewer.	Unknown source
HS1100	POPULAR FORD (VACANT) SHOWROOM	2505 CONEY ISLAND AVENUE	NY Spills	Petroleum contamination and UST from histroical gas station being addrssed prior to property being sold.	Petroleum Exclusion
1101	COMMERCIAL	2085 OCEAN PARKWAY	NY Spills	Spill of five to seven gallons of hydraulic oil from overturned delivery truck. Spill cleaned up.	Petroleum Exclusion

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1102	USA CLEANERS	204 AVENUE S	RCRA-SQG ICIS US AIRS FINDS ECHO NY MANIFEST	Active dry cleaner generating spent halogenated solvents (F002). Minor air emitter. No report of environmental investigations or unpermitted releases.	RCRA-regulated facility
HT1103	2507 EAST 15TH ST/BKLYN	2507 EAST 15TH STREET	NY Spills	Release of 200 gallons of oil from transformer contained to concrete. Unit record says PCBs=100 ppm. Cleanup completed.	De minimus quantity
HT1104	SHEEPSHEAD BAY SUBSTATION	AVENUE Y/E 15TH STREET	NY Spills	Mercury spill the "size of a quarter" from a cut pipe. Source under investigation.	De minimus quantity
1105	APT BLDG	275 WEST END AVENUE	NY Spills	Unspecified quantity of hydraulic oil released from city sanitation truck spraying cars, sidwalk, and house.	Petroleum Exclusion
1106	CON EDISON - MANHOLE 73981	3814 NAUTILUS AVENUE	RCRA-LQG NY MANIFEST	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
1107	E 17TH ST & AVE Z/E M S I	EAST 17TH STREET & AVENUE Z	NY Spills	Report of medical waste in office. Referred to "law enfocement."	Not CERCLA-eligible
1108	IN ROAD	AVENUE S AND WEST 6TH STREET	NY Spills	Twenty-gallons of gasoline spilled as a result of a traffic accident. FDNY responded.	Petroleum Exclusion
HU1109	W 10TH ST & AVE V	WEST 10TH STREET & AVENUE V	NY Spills	Release of unspecified quantity of raw sewage due to heavy inflow.	Not CERCLA-eligible
HU1110	AVE V AND W 10TH STREET	AVENUE V & WEST 10TH STREET	NY Spills	Duplicate of HU1109.	Not CERCLA-eligible
1111	VS #4445	ORIENTAL STREET/AMHERST STREET	NY Spills	Oil sheen on 100 gallons of water in electical vault. PCBs=<1 ppm. Cleanup completed.	De minimus quantity
1112	NYC BD OF ED - JHS 228	228 AVENUE S	RCRA-VSQG NY MANIFEST	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
1113	1625 EMMONS AVENUE	1625 EMMONS AVENUE	NY Spills	Spill of 12 gallons of fuel oil during delivery due to faulty guage. Spill cleaned up.	Petroleum Exclusion
HV1114	3820 LYME AVENUE	3820 LYME AVENUE	NY Spills	Spill report created as part of NYSDEC's Hurricane Sandy response. Pumped out 4,700 gallons of oil/water mixture. Water still entering basement.	Petroleum Exclusion
HV1115	3820 LYME AVENUE	3820 LYME AVENUE	NY Spills	550-gallon fuel oil AST in basement over turned and released to basement due to Sandy flooding. Pumped out 2,400 gallons oil/water mixture.	Petroleum Exclusion
HW1116	VAULT 32691	GRAVESNECK ROAD/HOMECREST AVENUE	NY Spills	One pint of oil on 150 gallons water in electical vault. Unit records says PCBs=13 ppm. Cleanup pending sample results.	De minimus quantity
HU1117	MOBILE SERVICE 17-SMP	2478 CONEY ISLAND AVENUE	NY LTANKS NY Spills	Remediation of petroleum contamination at gas station under NYSDEC oversight.	Petroleum Exclusion
HU1118	NACMIAS BROS	2478 CONEY ISLAND AVENUE	RCRA-VSQG US AIRS FINDS ECHO NY MANIFEST NJ Manifest	Former gas station (see above), now an active laundry and dry cleaners generating D001 (ignitable), D008 (lead), D009 (mercury), D039 (PCE). Minor air emitter. No record of unpermitted releaes or environmental investigations.	RCRA-regulated facility
HW1119	1200 NECK ROAD	1200 NECK ROAD	NY Spills	Caller reported "abnoxious strong odor". NYSDEC unable to verify.	Unknown source

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1120	CAROL CLEANERS	2371 86TH STREET	RCRA-VSQG ICIS US AIRS FINDS ECHO NY Dry Cleaners NY MANIFEST	Active dry cleaners generating F002 (spent halogenated solvents). Minor air emitter. No records of unpermitted releases or environmental invetigations.	RCRA-regulated facility
1121	RESIDENCE	225 BAY 32ND STREET	NY Spills	Spill of unspecified quantity of fuel oil to ground from a leaking fuel line. Spill cleaned up.	Petroleum Exclusion
HS1122	1110 AVENUE "V"	1110 AVENUE V	NY Spills	Impact from past gasoline spill at gas station being monitored. Odors in adjacent residence resulted in resident moving to hotel.	Petroleum Exclusion
HW1123	1215 NECK ROAD	1215 NECK ROAD	NY Spills	Spill of 10 gallons of fuel oil to basement due to defective vent line.	Petroleum Exclusion
1124	3821 MANPLE AVE SANDY	3821 MAPLE AVENUE	NY Spills	Spill report created for tracking purposes related to NYSDEC's Hurricane Sandy response. Five hundred gallons of fuel oil removed. No report of a release.	Record does not identify a release
1125	3802 POPLAR AVE - SEAGATE	3802 POPLAR AVENUE	NY Spills	Fuel oil spill during delivery to apartment building. Impact to soil and odors within building. Oil company directed to respond.	Petroleum Exclusion
1126	PRIVATE RESD	3358 SHORE PARKWAY	NY Spills	Spill report created for tracking purposes related to NYSDEC's Hurricane Sandy response. 275 gallons of fuel oil pumped from basement tank. No report of a release.	Record does not identify a release
1127	RESIDENTIAL BLDG.	2241 EAST 12TH STREET	NY Spills	Residential fuel oil leak from copper line connecting two basement ASTs. Leak impacted items stored near tanks, basment floor, and soil. Tanks removed, contaminated soil and debris placed into drums.	Petroleum Exclusion
1128	CRYSTAL PRIDE CLEANER	1627 SHEEPSHEAD BAY ROAD	RCRA-VSQG ICIS US AIRS FINDS ECHO NY MANIFEST RI Manifest	Active dry cleaner generating D001 (ignitable), F002 (spent halogenated solvents), D007 (chromium), D029 (1,1-DCE), D039 (PCE), and D040 (TCE). Minor air emitter. No report of umpermitted releases or environmental investigations.	RCRA-regulated facility
1129	CON EDISON - MANHOLE M1412	701 AVENUE U	RCRA-LQG	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
1130	2481 CONEY ISLAND AVE.	2481 CONEY ISLAND AVENUE	NY Spills	Minor fuel oil leak in residential basement.	Petroleum Exclusion
1131	UNDERGROUND VAULT	SHEEPSHEAD BAY ROAD AND VOORHIES AVENUE	NY Spills	Sandy-related leak of six gallons of transformer oil on 1,000 gallons of water in electrical vault. PCBs=93 ppm. Cleanup completed.	De minimus quantity
1132	T & D AUTO BODY & FENDER REPAIRS	2464 CONEY ISLAND AVENUE	RCRA-VSQG FINDS ECHO NY MANIFEST	Former autobody shop building demolished, now occupied by a muti-unit retail building. Former autobody generated D001 (ignitable), D035 (methy ethyl ketone), and F003 (spent non-halogenated solvents). No report of a release or environmental investigations.	Record does not identify a release
HX1133	UNK BLD OWNER	301 ORIENTAL AVENUE	NY Spills	Spill report created for tracking purposes related to NYSDEC's Hurricane Sandy Response. Report states basement fuel oil tank burst, suspected 3,200 gallons lost. Remaining oil pumped out.	Petroleum Exclusion

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HX1134	BASEMENT	301 ORIENTAL AVENUE	NY AST NY Spills	Update to HX1133 - Report states cleanup workers were pouring oil down a hole and throwing bags of oil/water out of a window into a dumpster.	Petroleum Exclusion
1135	2301 BENSON AVENUE	2301 BENSON AVENUE	NY AST	3,000-gallon fuel oil AST.	Record does not identify a release
			NY Spills	Called reported water smells like gasoline in all apartments. No additional information.	Unknown source
1136	MERCURY	2243 CROPSEY AVENUE	NY Spills	Caller reported mercury spill from dropped blood pressure guage. Spill cleaned up.	De minimus quantity
1137	3848 ATLANTIC AVENUE	3848 ATLANTIC AVENUE	NY Spills	Spill report created for tracking purposes related to NYSDECs Hurricane Sandy response. 490 gallons of fuel oil removed. No report of a release.	Record does not identify a release
1138	1217 GRAVESNECK RD	1217 GRAVESEND NECK ROAD	NY Spills	Five-gallon spill of fuel oil due to defective pump relay. Spill cleaned up.	Petroleum Exclusion
1139	15 COLERIDGE ST	15 COLERIDGE STREET	NY Spills	Unspecified quantity of fuel oil leaked from buried fuel line. Cleanup by homeowner assumed but not verified.	Petroleum Exclusion
HY1140	GREENWOOD AVE & EAST 5TH ST	GREENWOOD AVENUE & EAST 5TH STREET	NY Spills	Unspecified spill of unknown petroleum "next to childrens playground." No additional information.	Petroleum Exclusion
1141	WONDER KLEEN CLEANERS	2343 86TH STREET	RCRA-VSQG FINDS ECHO RI Manifest NY MANIFEST	Former dry cleaners now occupied by a health care clinic. Waste Codes F002 (spent halogenated solvents), D029 (1,1-DCE), D039 (PCE), and D040 (TCE). No report of unpermitted releases or environmental investigations.	Record does not identify a release
HZ1142	115 LAKE ROAD	115 LAKE ROAD, MANHATTAN	NY Spills	Unspecified fuel oil spill due to pump failure.	Beyond study area
1143	FRENCH RELIANCE CLEANERS INC	723 AVENUE U	RCRA-VSQG ECHO RI Manifest NY MANIFEST	Former dry cleaner now occupied by a neighborhood food market. Waste generated included F002 (spent halogenated solvents), D007 (chromium), D029 (1,1-DCE), D039 (PCE). No records of unpermitted releases or environmental investigations.	Record does not identify a release
HY1144	MANHOLE 34470	EAST 5TH STREET & AVENUE T	NY Spills	One pint of oil on 200 gallons of water in manhole. No PCB results reported. Cleanup completed.	De minimus quantity
1145	ON ROADWAY	22 BAY 34TH STREET	NY Spills	Ten-gallon leak of hydraulic oil from a commercial vehicle. Clean up pending.	Petroleum Exclusion
IA1146	LEMAC REALTY, INC.	1602 AVENUE Y	NY LTANKS NY Liens NY Spills	Petroleum contamination discovered during UST removal at gas station.	Petroleum Exclusion
IA1147	FORMER CITGO GAS STATION	1602 AVENUE Y AND 1611 AVENUE Y	NY Spills	NYSDEC's file on remedial efforts at former gas station.	Petroleum Exclusion
1148	3845 MAPLE AVE SANDY	3845 MAPLE AVENUE	NY Spills	Spill report created for tracking purposes related to NYSDEC's Hurricane Sandy response. 550 gallons of fuel oil removed. No report of a release.	Record does not identify a release
IA1149	PETCO STORE #1862	1610 AVENUE Y	RCRA-VSQG FINDS ECHO NY MANIFEST	Waste Codes D001 (ignitables), D002 (corrosive), D005 (barium), D007 (chromium), and D035 (methyl ethyl ketone). No violations found.	RCRA-regulated facility

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1150	NYC DEPT OF EDUCATION - PS97K	1855 STILLWELL AVENUE	RCRA-SQG FINDS ECHO NY MANIFEST	Waste Codes B004 (PCB material 50-<500 ppm) and B007 (other PCB wastes). No violations found.	RCRA-regulated facility
1151	AUTO CITY REPAIR CORP.	1702 AVENUE Z	NY UST	Multiple gasoline UST closures.	Record does not identify a release
			NY Spills	Petroleum contamination being addressed under NYSDEC oversight.	Petroleum Exclusion
IB1152	MANHOLE 36020	EMMONS AVENUE & SHEEPSHEAD BAY ROAD	NY Spills	Oil sheen on 500 gallons of water in manhole. No PCB results reported. Cleanup pending sample results.	De minimus quantity
IB1153	MANHOLE 1960	EMMONS AVENUE & SHEEPSHEAD BAY ROAD	NY Spills	Two gallons of oil on 2,000 gallons of water in manhole. Cleanup pending lab results.	De minimus quantity
IB1154	MANHOLE #TM1960	EMMONS AVENUE & SHEEPSHEAD BAY ROAD	NY Spills	Spill in manhole being cleaned up as PCBs 50-499 ppm.	De minimus quantity
HZ1155	QUENTIN RD & MC DONALD AV	AVENUE S & MCDONALD AVENUE	NY Spills	Two plastic bags of garbage with oil. "Hazmat Responding"	De minimus quantity
1156	3852 MAPLE AVE SANDY	3852 MAPLE AVENUE	NY Spills	Spill report created for tracking purposes related to NYSDEC's Hurricane Sandy response. 700 gallons of fuel oil removed. No report of a release.	Record does not identify a release
IC1157	BASMENT	3855 LYME AVENUE	NY Spills	Spill report created for tracking purposes related to NYSDEC's Hurricane Sandy response. Caller requested pump out of basement fuel oil tank.	Record does not identify a release
1158	POLE 69054	9TH STREET AND AVENUE U	NY Spills	One pint of dielectric fluid leaked from overhead transformer. Unit records says PCBs<50 ppm.	De minimus quantity
ID1159	MANHOLE 38640	MCDONALD AVENUE/AVENUE S	NY Spills	Sheen observed on 200 gallons of water in manhole. No PCB results reported. Cleanup pending sample results.	De minimus quantity
ID1160	MANHOLE 38640	MCDONALD AVENUE/AVENUE S	NY Spills	Two pints of oil on 200 gallons of water. No PCB results reported.	De minimus quantity
1161	NYSGE : TRANSFORMER OIL	62 DOVER FURNACE ROAD	NY Spills	Transformer hit by lightning released oil suspected to contain PCBs. No results reported.	De minimus quantity
1162	1835 WEST 12TH ST	1835 WEST 12TH STREET	NY Spills	Fuel oil spill at residence due to tank overfill.	Petroleum Exclusion
1163	MANHOLE #1913	AVENUE T & OCEAN PARKWAY	NY Spills	One quart oil in manhole. No PCB results reported. Cleanup completed.	De minimus quantity
IC1164	SPILL NUMBER 0010061	HIGHLAND AVENUE & LINE AVENUE	NY Spills	Leak of dielectric fluid from transformer, one drop every five minutes. PCBs=52 ppm. Cleanup completed.	De minimus quantity
1165	MANHOLE #30800	HIGHLAND AVENUE & NEPTUNE AVENUE	NY Spills	Three gallons of dielectric fluid on 300 gallons of water in manhole. PCBs=3 ppm. Cleanup completed.	De minimus quantity
1166	MANHOLE	8611 23RD AVENUE	NY Spills	Eight ounces of oil on 150 gallons of water in manhole. No PCB results reported. Cleanup pending.	De minimus quantity
1167	2049 E. 5TH STREET	2049 EAST 5TH STREET	NY Spills	Fuel oil stain benath empty tank suspected to be from leaking oil line running below spot.	Petroleum Exclusion
1168	4028 ATLANTIC AV/BKLYN	4028 ATLANTIC AVENUE	NY Spills	Sheen observed around 15'x18' black container. No additional information.	De minimus quantity
1169	WALBAUMS	8923 BAY PARKWAY	NY Spills	Caller observed employee dumping unknown material into strom drain that leads to Gravesend Bay. Dead fish observed in the area.	De minimus quantity

TABLE 1
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EDR Map ID	Site Name	Address	Databases	Comments	Reason Eliminated
1170	PETCO PARKING LOT	EAST 17TH STREET & AVENUE Y	NY Spills	Caller reported barrels of hazadous materials stored against fence and requested testing. No response from caller during NYSDEC follow-up. Spill closed.	Record does not identify a release
1171	PRIVATE DWELLING	140 DOVER STREET	NY Spills	Sandy-related peteroleum contamination at home near Sheepshead Bay.	Petroleum Exclusion
1172	PAD MOUNT TRANSFORMER	2558 EAST 18TH STREET	NY Spills	One ounce of oil from pad-mounted transformer. No PCB results reported. Cleanup pending.	De minimus quantity
IE1173	MANHOLE 40584	EAST 18TH STREET/AVENUE Z	NY Spills	One gallon of oil on 200 gallons of water in manhole. No PCB results reported. Cleanup pending.	De minimus quantity
1174	NYCDOT BIN 2231319	BELT SHORE PARKWAY OVER BAY PARKWAY	RCRA-VSQG NY MANIFEST	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
IF1175	BAY PKWY @ GRAVESEND BAY	BAY PARKWAY @ GRAVESEND BAY	NY Spills	Unspecified material reported discharging from storm sewer.	Unknown source
1176	VAULT VS-5341	AVENUE X & 16TH STREET	NY Spills	Three ounces oil on 150 gallons water in electrical vault. No PCB results reported. Cleanup in progress.	De minimus quantity
IE1177	MANHOLE # TM1864	EAST 18TH STREET & AVENUE Z	NY Spills	Four gallons of dielectric fluid on 700 gallons water in manhole. PCBs=<1 ppm. Cleanup completed.	De minimus quantity
1178	BANK	2301 86TH STREET	NY Spills	Twelve-gallon spill of fuel oil due to tank overfill. Spill cleaned up.	Petroleum Exclusion
IG1179	TARNAVSKY RESIDENCE	170 DOVER STREET	NY Spills	170 gallons of fuel oil delivered to home using natural gas. Oil was pumped to basement resulting in severe contamination of the structure.	Petroleum Exclusion
IF1180	ROADWAY	9000 BAY PARKWAY / OFF BELT PARKWAY EAST	NY Spills	Report of cement truck leaking to unspecified surface water.	Not CERCLA-eligible
1181	SPILL NUMBER 0310828	86 LAKE STREET	NY Spills	Unspecified quantity of diesel fuel leaked from tank being delivered. Tank left on street.	Petroleum Exclusion
1182	APRTMENT	602 AVENUE T	NY AST NY Spills	3,000-gallon fuel oil AST. Anonymous caller reported spill in basement. Building Superitendent confirmed no spill and no recent delivery of oil.	Record does not identify a release
IG1183	174 DOVER ST	174 DOVER STREET	NY Spills	Unspecified third party report of petroleum spill. No additional information.	Petroleum Exclusion
1184	2066 E. NINTH ST	2066 EAST 9TH STREET - SCHOOL	NY Spills	Unspecified spill of petroleum. Referred to NYCDEP.	Petroleum Exclusion
1185	FOOTBRIDGE AT END OF 19TH	EAST 19TH STREET	NY Spills	Sheen of unknown matrial reported to be eminating from pilings under footbridge. Sheen has reocurred over four years.	Unknown source
1186	BENSONHURST SUBSTATION	2074 MCDONALD AVENUE	NY Spills	Transformer fire spilled 2 ouces of "non PCB" oil.	De minimus quantity
IH1187	388-394 AVE S	388-394 AVENUE S	NY Spills	Ten-gallon spill of fuel oil due to faulty guage.	Petroleum Exclusion
II1188	4200 SURF AVENUE	4200 SURF AVENUE	NY Spills	Spill report created for tracking purposes related to NYSDEC's Hurricane Sandy response. 9,400 gallons removed. No report of a release.	Record does not identify a release
IJ1189	E19TH ST & EMMONS AVE	EAST 19TH STREET & EMMONS AVENUE	NY Spills	Unspecified release of creosote to Sheepshead Bay.	De minimus quantity
IJ1190	SUNK BOAT - SHEEPSHEAD BAY	EMMONS AVENUE/EAST 19TH STREET	NY Spills	Caller reported sunken boat leaking gasoline. Reportedly NYPD and FDNY responded.	Petroleum Exclusion
IJ1191	SPILL NUMBER 0204384	EAST 19TH STREET/EMMONS AVENUE	NY Spills	FDNY reported a sheen eminating from storm drain suspected to be unspecified petroleum.	Petroleum Exclusion

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1192	SAUNDERS RESIDENCE	190 DOVER STREET	NY Spills	Ten-gallon spill of fuel oil out of AST vent pipe due to broken petrometer.	Petroleum Exclusion
IL1193	VS5140	BEACH 42ND STREET AT SURF AVENUE	NY Spills	One-gallon spill from defective transformer in electrical vault. No PCB results reported. Cleanup pending sample results.	De minimus quantity
IK1194	UNDER BELT PARKWAY	BAY PARKWAY/SHORE PARKWAY	NY Spills	Two drums of unknown material discovered under highway bridge. No release observed.	Record does not identify a release
IK1195	LOWER BAY	BAY PARKWAY/SHORE PARKWAY	NY Spills	Barg transfer line parted cause spill of 50 gallons of unspecified material surface water.	De minimus quantity
IK1196	BELT PKWY & BAY PKWY	BELT PARKWAY & BAY PARKWAY	NY Spills	Update to IK1195 - USCG notified.	De minimus quantity
IK1197	BAY PKWAY EXIT/BELT PKWAY	BAY PARKWAY/BELT PARKWAY	NY Spills	Report of 15 abdoned drums of fishing pier. No additional information.	Record does not identify a release
IL1198	MANHOLE 1430	CONEY ISLAND AVENUE/AVENUE U	NY Spills	Eight onces of dielectric fluid leaked to concrete floor in manhole. PCBs=<1 ppm. Cleanup completed.	De minimus quantity
1199	SPILL NUMBER 0103344	BAY PARKWAY & CROPSEY AVENUE	NY Spills	Truck leaked two gallons of antifreeze to roadway. Clean up completed.	Not CERCLA-eligible
IM1200	8785 BAY PKWY	8785 BAY PARKWAY	NY Spills	Minor leak of fuel oil to sidwalk.	Petroleum Exclusion
IK1201	ONE QT HYDRAULIC FLUID FROM VEH	BAY PARKWAY & SHORE PARKWAY	NY Spills	Leak of one quart of hydraulic fluid from commercial verhicle due to unspecified equipment failure.	Petroleum Exclusion
IN1202	CON EDISON - TRANSFORMER MANHALE 1862	1724 AVENUE Y	RCRA-LQG FINDS ECHO NY MANIFEST	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
1203	3915 NEPTUNE AVE	3915 NEPTUNE AVENUE	NY AST NY Spills	5,000-gallon fuel oil AST in direct contact with soil. Spill report created for tracking purposes related to NYSDEC's Hurricane Sandy response. 1,300 gallons of fuel oil removed. No report of a release.	Record does not identify a release
IO1204	BCH 42ND ST/SEAGATE/BKLYN	BEACH 42ND STREET/SEAGATE	NY Spills	Caller reported sand with "a grayish/black odor" suspected to be releated to previous petroleum release.	Petroleum Exclusion
II1205	4212 SURF AVENUE	4212 SURF AVENUE	NY Spills	Spill report created for tracking purposes related to NYSDEC's Hurricane Sandy response. Mud and diesel fuel observed in basement, odors observed. 4,700 gallons recovered.	Petroleum Exclusion
1206	MANHOLE 62762	STILLWELL AVENUE & 24TH AVENUE	NY Spills	Two gallons of oil on 100 gallons of water in manhole. PCBs=<1 ppm. Cleanup completed.	De minimus quantity
IP1207	VS5440	EAST 19TH STREET/VOORHIES AVENUE	NY Spills	Ten gallons of dielectric fluid leaked from one elctrical vault to another via ducts, and onto 250 gallons of water. PCBs=9 ppm. Cleanup completed.	De minimus quantity
IP1208	VAULT 5425	EAST 19TH STREET/VOORHIES AVENUE	NY Spills	Oill sheen on 200 gallons of water in electrical vault. PCBs=<1 ppm. Cleanup completed.	De minimus quantity
IP1209	VS 5425	EAST 19TH STREET/VOORHIES AVENUE	NY Spills	Transforer replaced following leaks of dielectric fluid.	De minimus quantity
IP1210	MANHOLE 70613	EAST 19TH STREET/VOORHIES AVENUE	NY Spills	Spill closed.	De minimus quantity
1211	CON EDISON - MANHOLE 38633	2055 MCDONALD AVENUE	RCRA-LQG	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility

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IH1212	MANHOLE 2529	AVENUE S AND EAST 2ND STREET	NY Spills	Two quarts of oil on wet mud on manhole concrete floor. PCBs=4 ppm. Transformer requires removal.	De minimus quantity
IL1213	CON ED	1112 AVENUE U	NY Spills	Caller reported "heavy smell of gas in area". Spill report indicates gaoline.	Petroleum Exclusion
			NY MANIFEST	Waste Code D008 (lead) from unspecified source.	RCRA-regulated facility
IM1214	CUMBERLAND #70225	8779 BAY PARKWAY	NY Spills	Mutiple spill reports for gas station.	Petroleum Exclusion
1215	HURRICANE SANDY PUMPOUT	4218 SURF AVENUE	NY Spills	Spill report created for tracking purposes related to NYSDEC's Hurricane Sandy response. 275-gallon fuel oil tank requires pump out of oil/water mixture. No oil observed outside of tank.	Record does not identify a release
IO1216	PAVEMENT	BEACH 42ND STREET AND ATLANTIC AVENUE	NY Spills	Caller reported two gallons of hydraulic oil spilled to pavment. Cleanup completed.	Petroleum Exclusion
IQ1217	HIGHLAWN AVENUE AT W. 10TH ST HIGHLAWN AVE	HIGHLAWN AVENUE AT W. 10TH STREET HIGHLAWN AVENEU	NY Spills	Container of oil found, no report of a release.	Record does not identify a release
IM1218	EXXON COMPANY USA	8779 BAY PARKWAY	NY LTANKS	Various NYSDEC comments regarding groundwater contamination at former gas station. Waste Code D001 (ignitable) manifested off site.	Petroleum Exclusion
			NY Spills		
			NY MANIFEST		
IQ1219	CON EDISON - 62768	102 HIGHLAWN AVENUE AND 10TH STREET WEST	RCRA-LQG	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
			NJ Manifest		
			NY MANIFEST		
IN1220	2484 EAST 18THST	2484 EAST 18TH STREET	NY Spills	Caller reported sand blasting at school under renovation. Case referred to Division of Air.	Not CERCLA-eligible
				Caller reported gaoline vapors in residence. FDNY responded.	Petroleum Exclusion
IR1221	RESIDENCE	BAY 31 AND BENSON AVENUE	NY Spills	Fifteen gallons of gasoline leaked from vehicle to street. FDNY responded.	Petroleum Exclusion
1222	2299 EAST 15TH ST	2299 EAST 15TH STREET	NY Spills	Fuel oil leaked from faulty suction line in residence. Cleanup in progress.	Petroleum Exclusion
1223	CONEY ISLAND AVE & AVE U	CONEY ISLAND AVENUE AT AVENUE U	NY Spills	Spill of 50 gallons of diesel fuel due to traffic accident. FDNY responded.	Petroleum Exclusion
1224	PRIVATE HOME	230 DOVER STREET	NY Spills	Old UST and petroleum contamination discovered during excavation for new swimming pool.	Petroleum Exclusion
1225	PUBLIC SCHOOL 215K	415 AVENUE S	RCRA-LQG	Waste Codes B004 (PCB material 50-<500 ppm) and B007 (other PCB wastes). No violations found.	RCRA-regulated facility
IS1226	PAVEMENT	BAY PARKWAY AND BATH AVENUE	NY Spills	Spill of two gallons of antifreeze from bus. Cleanup complete.	De minimus quantity
IS1227	SERVICE BOX AND ROAD WAY	8778 BAY PARKWAY	NY Spills	One gallon of transmission fluid leaked from car to manhole. Con Edison responded, cleanup complete.	Petroleum Exclusion
1228	POLE 69261	IN FRONT OF 1310 AVENUE V	NY Spills	Leak of 1/2 gallon of dielectric fluid from pole transformer onto concrete. No PCB results reported. Cleanup completed.	De minimus quantity
1229	33 EXETER ST	33 EXETER STREET	NY Spills	Report of a leaking residential 550-gallon fuel oil UST.	Petroleum Exclusion
IS1230	IN STREET	BAY PARKWAY AND BATH AVENUE	NY Spills	Unspecified petroleum spill cleaned up.	Petroleum Exclusion
IS1231	CON EDISON - VAULT SUBMERSIBLE 5053	8774 BAY PKWY	RCRA-LQG	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility

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1232	4200 ATLANTIC AVENUE	4200 ATLANTIC AVENUE	NY Spills	Spill report created for tracking purposes related to NYSDEC's Hurricane Sandy response. 4,700 gllons of fuel oil removed. No report of a release.	Record does not identify a release
IR1233	86 BAY 31 ST	86 BAY 31 STREET	NY Spills	Three gallons of motor oil on sidwalk. Unknown source.	Petroleum Exclusion
1234	WALBAUMS STORE	OCEAN AVENUE & SHORE ROAD	NY Spills	Caller reported "white dust" from open ceiling while shopping at store.	Not CERCLA-eligible
IT1235	SPILL NUMBER 9911306	3931 LYME STREET	NY Spills	Spill of 1/2 gallon of fuel oil onto ground due to issue with the vent pipe.	Petroleum Exclusion
IT1236	SPILL NUMBER 0200073	3931 LYME AVENUE (SEAGATE)	NY Spills	Minor spill closed.	Petroleum Exclusion
IU1237	MANHOLE #38173	WEST 6TH/HIGHLAWN AVENUE	NY Spills	Spill of eight onces of dielectric fluid onto mud in manhole. No PCB results reported. Cleanup pending.	De minimus quantity
IU1238	MANHOLE #38173	WEST 6TH /HIGHLAWN AVENUE	NY Spills	One-half once of dielectric fluid leaked to concrete floor in manhole. No PCB results reported. Cleanup pending sample results.	De minimus quantity
1239	2556 EAST 19TH ST	2556 EAST 19TH STREET	NY Spills	Old spill case regarding petroleum odors emminating from a residence.	Petroleum Exclusion
1240	SHALAM HOME	705 AVENUE T	NY Spills	Leak of fuel oil to finished basement. Floor and sheetrock impacted.	Petroleum Exclusion
1241	PVT DWELLING	2329 EAST 16TH STREET	NY Spills	Caller reported natural gas smell coming from excavation in front of her home.	Not CERCLA-eligible
1242	DWECK RESIDENCE	40 COLIN PLACE	NY Spills	Caller reported oil seeping up through ground between two residences. Leak traced to UST at one of the residences.	Petroleum Exclusion
1243	SPILL NUMBER 0104268	84TH STREET/23RD AVENUE	NY Spills	Leak of one pint of transformer oil with unspecified concentration of PCBs. Cleanup completed.	De minimus quantity
1244	2580 EAST 19TH ST/MANH	2580 EAST 19TH STREET	NY Spills	Hydraulic oil on the street from burst hose on garbage truck.	Petroleum Exclusion
1245	SERVICE BOX 61967	IFO 76 BAY 31ST STREET	NY Spills	One quart of oil on 10 gallons of water in mahole. PCBs=<1 ppm. Cleanup completed.	De minimus quantity
1246	TRANSFORMER MANHOLE 863	MANHATTAN AVENUE/LAUREL AVENUE	NY Spills	One gaalon of oil on 200 gallons of water in mahole. No PCB results reported. Cleanup completed.	De minimus quantity
1247	PRIVATE HOME	4303 ATLANTIC AVENUE	NY Spills	Spill report created for tracking purposes related to NYSDEC's Hurrican Sandy response. 1,500 gallons of oil/water mixture pumped from tank in basement. No report of a release.	Record does not identify a release
1248	POM QUALITY CLEANERS	1214 AVENUE U	RCRA-SQG FINDS ECHO NY MANIFEST	Former dry cleaner now occupied by a neighborhood food market. Waste generated included F002 (spent halogenated solvents) and D039 (PCE). No report of unpermitted releases or environmental investigations.	Record does not identify a release
IV1249	CON EDISON - MANHOLE 28285	1908 JEROME AVENUE	RCRA-LQG FINDS ECHO NY MANIFEST	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
1250	APARTMENT BUILDING	2262 85TH STREET	NY Spills	Fuel oil spilled during residential delivery and migrated to storm drains in driveway.	Petroleum Exclusion
1251	DRUM RUN - BACK ALLEY WAY	1707 AVENUE X	NY Spills	Thirty-five gallon drum abandoned in alley picked up on drum run. Spill report indicated waste oil/used oil.	Petroleum Exclusion

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1252	NYC DEPT OF EDUCATION - PS 254K	1801 AVENUE Y	RCRA-SQG	Waste Codes B004 (PCB articles 50 - < 500 ppm), B007 (other PCB wastes), and D008 (lead). No violations found.	RCRA-regulated facility

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IW1253	CON EDISON - MANHOLE 6874	8687 BAY PARKWAY AND BENSON AVENUE	RCRA-LQG NJ Manifest NY MANIFEST	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
1254	ONE GAL OIL IN SERVICE BOX #73418	1784 STILLWELL AVENUE	NY Spills	One gallon of oil on 50 gallons in manhole. No PCB results reported.	De minimus quantity
IX1255	BELT PKWY E B AT OCEAN AV	BELT PARKWAY	NY Spills	Spill of 100 gallons of diesel fuel due to unspecified equipment failure. NYFD responded.	Petroleum Exclusion
IX1256	MANHOLE 66870	20TH STREET/SHORE PARKWAY	NY Spills	One pint of oil on floor of manhole. PCBs=6 ppm. Cleanup completed.	De minimus quantity
IY1257	SHEEPS HEAD BAY	OCEAN AVENUE & EMMONS AVENUE	NY Spills	Unknown sheen observed on Sheepshead Bay. USCG notified.	Unknown source
IY1258	SHEEPSHEAD BAY	OCEAN AVENUE & EMMONS AVENUE	NY Spills	Sheen on Sheepshead Bay reported to be unspecified petroleum coming from an "outflow".	Petroleum Exclusion
IY1259	OCEAN AVE & EMMONS AVE	OCEAN AVENUE & EMMONS AVENUE	NY Spills	USCG and NYCDEP investigated spill and supervising cleanup. Removied source described as "oil and contamination from piers and warf walls from outfall-Holocaust Park."	Petroleum Exclusion
IY1260	VAULT 4372	OCEAN AVENUE & EMMONS AVENUE	NY Spills	Oil sheen on 50 gallons of water in electical vault. PCBs=<1 ppm. Cleanup completed.	De minimus quantity
IY1261	OCEAN AVE. SEWER DISCHARG	EMMONS AVENUE & OCEAN AVENUE	NY Spills	"Black gobs of oil" reported discharging from a sewer outfall. USCG notified.	Unknown source
IY1262	OCEAN AV & EMMONS AV	OCEAN AVENUE & EMMONS AVENUE	NY Spills	Report of "some type of oil" discharing from sewer outfall to bay.	Unknown source
IY1263	OUT FALL BETWEEN EMMONS A	EMMONS AVENUE & OCEAN AVENUE	NY Spills	Sheen but no recoverable product persists near outfall.	Unknown source
IY1264	OCEAN & EMMONS AVENUE	OCEAN & EMMONS AVENUE	NY Spills	Possible diesel coming from outfall, histroical reoccurance.	Unknown source
IY1265	EMMONS AV/OCEAN AV	EMMONS AVENUE/OCEAN AVENUE	NY Spills	Unable to identify source of sheen discharging from outfall.	Unknown source
IY1266	SHEEPSHEAD BAY	EMMONS AVENUE/OCEAN AVENUE	NY Spills	Solvent odor attributed to vessels docked in the bay in addition to reponse for sheen.	Unknown source
IY1267	SHEEPSHEAD BAY / BROOKLYN	OCEAN AVE/EMMONS AVENUE	NY Spills	USCG investigating sheen.	Unknown source
IY1268	SHEEPSHEAD BAY	OCEAN AVENUE & EMMONS AVENUE	NY Spills	Sheen on water, fuel oil odor.	Unknown source
IY1269	SPILL NUMBER 0106471	OCEAN AVENUE & EMMONS AVENUE	NY Spills	Report of oil on bay.	Unknown source
IY1270	OCEAN AVE&EMMONS AVE/BKLY	OCEAN AVENUE & EMMONS AVENUE	NY Spills	Discharge of sheen ongoing.	Unknown source
IY1271	OCEAN AVE. & EMMONS AVE.	OCEAN AVENUE & EMMONS AVENUE	NY Spills	Sheen reported as "Covering all of Sheepshead Bay."	Unknown source
IY1272	SHEEPSHEAD DISCHARGE	OCEAN AVENUE & EMMONS AVENUE	NY Spills	Discharge chacterized as "waste oil dumping."	Unknown source
IY1273	SHEEPSHEAD BAY	EMMONS AVENUE & OCEAN AVENUE	NY Spills	FDNY conducted source invesigation. FDNY identified sewer starting point, but did not observed any possible sources nearby.	Unknown source
IY1274	EMMONS AVE AND OCEAN AVE	EMMONS AVENUE AND OCEAN AVENUE	NY Spills	Caller reported swans in the vicinity of outfall discharge. Requests NYDEC remove swans.	Unknown source
IZ1275	IN SHEEPSHEAD BAY	SHORE BOULEVARD AND OCEAN AVENUE	NY Spills	NYSDEC visited discharge site, no sheen observed. Case closed.	Unknown source

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JA1276	CON EDISON - MANHOLE 36837	3030 OCEAN AVENUE	RCRA-LQG NY MANIFEST	Waste Codes B004 (PCB articles 50 - < 500 ppm), B007 (other PCB wastes), and D008 (lead). No violations found.	RCRA-regulated facility
JA1277	TEN GALLONS DIESEL IN EXCAVATION	IN FRONT OF 3030 OCEAN AVENUE	NY Spills	Fuel oil encountered during Con Edison excavation for an electrical vault traced back to a nearby UST serving apartment building.	Petroleum Exclusion
JA1278	CON EDISON	3030 OCEAN AVENUE	NY AST	7,500-gallon fuel oil AST serving apartment building. No report of a release.	Record does not identify a release
			NY Spills	One pint dielectric fluid from a continuous leak in manhole. No PCB results reported.	De minimus quantity
			NY MANIFEST	Waste Code D008 (lead) manifested off site.	RCRA-regulated facility
JB1279	55 GAL DIELECTRIC IN VS # 6681	OCEAN & VORHEES AVENUES	NY Spills	Fifty-five gallons of dielectric fluid on water in electrical vault. No PCB results reported.	De minimus quantity
JB1280	MANHOLE 1841	VOORHIES AVENUE & OCEAN AVENUE	NY Spills	PCBs=40 ppm. Cleanup pending resampling.	De minimus quantity
IW1281	BENSON AVE & BAY PARKWAY	BENSON AVENUE & BAY PARKWAY	NY Spills	Caller reported FDNY responding to spill of 10 gallons of heating oil. Cleanup status unknown.	Petroleum Exclusion
1282	33 1/2 LAKE ST BAPTIST APT RT10	33 1/2 LAKE STREET BAPTIST APT RT10, STAMFORD HARPERSFIELD, NY	NY Spills	Possible 20-gallon fuel oil overfill.	Beyond study area
IV1283	OCEAN AVENUE GAS CORP	3010 OCEAN AVENUE	NY UST NY Spills RCRA NonGen / NLR US AIRS FINDS ECHO	Unspecified spill at gas station releated to Hurricane Sandy. Multiple closed and in-service gaoline USTs. Histroical generator of D001 (ignitable); D008 (lead); F002 (spent halogenated solvents); and F004 and F005 (spent nonhalogenated solvents).	Petroleum Exclusion
IZ1284	MANHOLE 36847	OCEAN AVENUE & SHORE PARKWAY	NY Spills	Film of oil on 100 gallons of water in manhole. PCBs=<1 ppm. Cleanup completed.	De minimus quantity
1285	PRIVATE RESIDENCE	2263 84TH STREET	NY LTANKS NY Spills	Residential fuel oil overfill through vent pipe resulted in cleanup by oil company.	Petroleum Exclusion
1286	AIR/GROUND	2001 EAST 9, SUITE 1K	NY Spills	Improper disposal of trash, human waste, and animal carcasses. Unclear if location is Brooklyn or Bronx.	Not CERCLA-eligible
1287	ISLAND PEN MFG CORP	2004 MCDONALD AVENUE	RCRA-SQG FINDS ECHO NY MANIFEST	Former pen and pencil manufacturer now occupied by a door distributor. Historical Waste Code D001 (ignitable). No report of a release or environmental investigations.	Record does not identify a release
JC1288	EMMONS & OCEAN AVES	EMMONS & OCEAN AVENUES	NY Spills	Unspecified petroleum release to Sheepshead Bay.	Unknown source
JC1289	EMMONS & OCEAN AVES	EMMONS & OCEAN AVENUES	NY Spills	Oil discharging from outfall to Sheepshead Bay	Unknown source
JC1290	OCEAN AVENUE/EMMONS AVES	OCEAN/EMMONS AVENUE	NY Spills	Contractors retained to cleanup oil discharging to Sheepshead Bay	Unknown source
1291	CON EDISON - MANHOLE 36828	2960 OCEAN AVENUE	RCRA-LQG NY MANIFEST	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
1292	VICTOR RESIDENCE	8678 BAY PARKWAY	NY Spills	Three bags of unknown petroleum were removed. Spill closed.	De minimus quantity
JD1293	VAULT3820&3741 MH64401	OCEAN AVENUE/AVENUE Y	NY Spills	Sheen on 900 gallons of water in manhole. PCBs=<1 ppm. Clean up completed.	De minimus quantity
JD1294	VS3820	AVENUE Y/OCEAN AVENUE	NY Spills	One gallon of oil on soil and floor of electical vault. PCBs=13 ppm. Cleanup completed.	De minimus quantity
1295	MANHOLE 30178	HAMPTON AVENUE / OCEAN AVENUE	NY Spills	One quart of dielectric fluid on four gallons of water in mahole. No PCB results reported. Cleanup complete.	De minimus quantity

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EDR Map ID	Site Name	Address	Databases	Comments	Reason Eliminated
1296	NYC DOT BSHP	BHSP OVER OCEAN AVENUE	RCRA-LQG NJ Manifest NY MANIFEST	Waste Code D008 (lead) from unspecified source. NOVs related to records/reporting.	RCRA-regulated facility
JA1297	3025 OCEAN AV / BKLYN	3025 OCEAN AVENUE	NY AST NY Spills	Unspecified fuel oil release contained to tank room at apartment building.	Petroleum Exclusion
1298	TIFFANY KITCHEN	2257 EAT 16TH STREET	NY Spills	Caller complained of neighbor spraying paints and resins in makeshift spray booth.	De minimus quantity
JE1299	CONED MANHOLE #14758	1781 WEST 3RD STREET	NY Spills	One pint of oil on one gallon of water in manhole. PCBs=<1 ppm. Cleanup completed.	De minimus quantity
JF1300	FUEL OIL SPILL AT RESIDENCE	1763 STILLWELL AVENUE	NY Spills	Fuel oil spill from basement tank impacted structure and underlying soil.	Petroleum Exclusion
JF1301	BASEMENT SPILL	1763 STILLWELL AVENUE	NY Spills	Fuel oil delivered to disconnected fill line for removed faulty oil tank resulted in additonal oil to basement.	Petroleum Exclusion
1302	VAULT	OCEAN AVENUE & AVENUE Z	NY Spills	One quart of oil on 150 gallons of water. PCBs=13 ppm.	De minimus quantity
1303	3809 OCEAN AVENUE	3809 OCEAN AVENUE	NY Spills	Caller reported suspected asbestos-containing material (ACM) in dumpster next to building undergoing renovation.	De minimus quantity
1304	ROADWAY	1760 WEST 11TH STREET	NY Spills	Leak of unspecified quantity of hydraulic oil from boom truck lift roadway and vehicles impacted.	Petroleum Exclusion
JG1305	FREDERICK GILLIAM	2209 EAST 15TH STREET	NY Spills	Report of neighbor spraying unknown substance reveals substance is a diinfectant.	Not CERCLA-eligible
JG1306	SPILL NUMBER 0010316	EAST 15TH AVENUE/AVENUE V	NY Spills	Report of abandoned 5-gallon pail of used oil. Report states not leaking.	Record does not identify a release
1307	RESIDENCE	2338 EAST 18TH STREET	NY Spills	Report of auto repair in backyard and improper disposal of automotive fluids.	De minimus quantity
1308	1981 EAST 9TH STREET	1981 EAST 9TH STREET	NY Spills	Unspecified petroleum spill to street from commercial vehicle equipment failure.	Petroleum Exclusion
1309	MH #TM2357	SURF AVENUE & 50TH STREET	NY Spills	One pint of oil on 50 gallons of water. PCBs=101 ppm. Cleanup completed.	De minimus quantity
1310	SPILL NUMBER 0102056	1778 WEST 4TH STREET	NY Spills	Spill of five gallons of fuel oil due to cracked hose tank truck. Cleanup completed.	Petroleum Exclusion
1311	VAULT # 5232	4807 SURF AVENUE	NY Spills	Ten gallons of dielectric fluid on 300 gallons of water. PCBs=224 ppm. Cleanup completed.	De minimus quantity
JH1312	SPILL NUMBER 0003450	2212 86TH STREET	NY Spills	Caller reported retaurant dumping cooking oil into hole in ground.	Not CERCLA-eligible
1313	CON EDISON - MANHOLE 36826	F/O 2938 OCEAN AVENUE	RCRA-LQG	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
JI1314	REGULATOR OWLS HEAD 10	23RD AVENUE/81ST STREET	NY Spills	Blockage resulted in raw sewage discharge to Coney Island Creek	Not CERCLA-eligible
JI1315	23RD AVE AND 81ST ST	81ST STREET	NY Spills	Raw sewage spill ongoing.	Not CERCLA-eligible
1316	ILLEAGAL AUTO GARAGE	219 BAY 28TH STREET/CROPSEY AVENUE	NY Spills	Caller reportes automotive fluids discharged to sewer from repair work in the street.	De minimus quantity
1317	SPARTAN PETROLEUM SUNOCO STATION	388 KINGS HIGHWAY	NY Spills	Gasoline UST removals and installation from gas station ownership transfer. No report of a release.	Record does not identify a release
JJ1318	KOSHNOSS RESIDENCE	1919 AVENUE X	NY Spills	Unknown amount of fuel oil spilled from delivery to house on natural gas. Access denied, NYSDEC unable to confirm reported cleanup.	Petroleum Exclusion

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JK1319	MANHOLE 36824	2900 OCEAN AVENUE	NY LTANKS	Fifty-gallon spill of fuel oil due to tank overfill. NYCDEP notified.	Petroleum Exclusion
			NY Spills	Ten ounces of oil on 1,500 gallons of water in manhole. PCBs=<1 ppm. Clean up completed.	De minimus quantity
1320	BOILER ROOM	420 KINGS WALK	NY Spills	Seventy-five-gallon spill of fuel oil to basement floor from broken nipple on boiler, three gallons to sump. Cleanup completed.	Petroleum Exclusion
1321	HOME	4262 OCEAN AVENUE	NY Spills	NYSDEC correspondence regarding response to unspecified residential petroleum release.	Petroleum Exclusion
JL1322	BP SERVICE STATION #25742	2317 CONEY ISLAND AVENUE	NY UST	Four gasoline USTs closed/removed and five gasoline USTs in service.	Record does not identify a release
			NY Spills	Soil and groundwater impacted from petroleum release at gas station.	Petroleum Exclusion
JE1323	388 KINGS HIGHWAY	388-390 KINGS HIGHWAY	NY Spills	Contaminated soil encountered during fuel oil UST removal at commercial property. Coal ash found during soil excavation containing PAHs.	De minimus quantity
JL1324	MANHOLE #1429	CONEY ISLAND AVENUE/AVENUE T	NY Spills	Transformer fire resulted in leak of four gallons of oil in manhole. PCBs=5 ppm. Cleanup completed.	De minimus quantity
JL1325	MANHOLE 1428	CONEY ISLAND AVENUE/AVENUE T	NY Spills	One gallon of oil on 50 gallons of water in manhole. PCBs=121 ppm. Cleanup completed.	De minimus quantity
1326	RITE AID #10586	2981 OCEAN AVENUE	RCRA-VSQG	Waste types include ignitables; corrosives; and various metals, P- and U-listed wastes. No violations found.	RCRA-regulated facility
			NY MANIFEST		
1327	BASEMENT	2965 OCEAN AVENUE	NY Spills	FDNY responded to fire caused by cutting inactive residential fuel oil tank containing residual vapors. Contents consisted of muddy water. No signs of spill noted.	Record does not identify a release
JJ1328	USPS POSTAL BUILDING	2370 EAST 19TH STREET	NY Spills	Hydraulic fluid leaked from elevator to concerete bottom of elevator shaft. Contaminated soil encountered during investigation suspected to impacted by off-site source.	Petroleum Exclusion
JJ1329	SOIL	2370 EAST 19TH STREET	NY Spills	Investigation revelaed 80 gallons of hydraulic fluid leaked to elevator shaft and associated equipment at USPS facility. Eighty gallons recovered.	Petroleum Exclusion
JM1330	SHEEPSHEAD BAY	EMMONE AVENUE	NY Spills	Unknown sheen observed on Sheepshead Bay. USCG notified.	Unknown source
JN1331	INDUSTRIAL	360 KINGS LAND AVENUE	NY Spills	Sheen observed on Newtown Creek.	Beyond study area
JH1332	UNDER GROUND	BAY PARKWAY AND 86	NY Spills	Four gallons of transformer oil in unspecified Con Edison structure. Groundwater entering through crack in concrete. No PCB results reported. Cleanup completed.	De minimus quantity
JH1333	MANHOLE #3707	NW CORNER OF BAY PARKWAY/86TH STREET	NY Spills	Sheen observed on 30 gallons of water in manhole. PCBs=<1 ppm. Cleanup completed.	De minimus quantity
JH1334	VAULT 3707	BAY PARKWAY/86TH STREET	NY Spills	Sheen observed on 500 gallons of water in manhole. PCBs=<1 ppm. Cleanup completed.	De minimus quantity
JH1335	MANHOLE 6875	BAY PARKWAY/86TH STREET	NY Spills	One quart of dielectric fluid on 100 gallons of water in mahole. PCBs=<1 ppm. Cleanup completed.	De minimus quantity

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EDR Map ID	Site Name	Address	Databases	Comments	Reason Eliminated
JO1336	4714 SURF AVE	4714 SURF AVENUE	NY Spills	Spill of 5 gallons of fuel oil when delivery driver disconnected hose. Spill crew reponded.	Petroleum Exclusion
1337	KATZ RESIDENCE	31 FALMOUTH STREET	NY Spills	Unspecified quantity of fuel oil leaked from basement AST to slightly cracked concrete floor. Minor impact to underlying soil.	Petroleum Exclusion
JP1338	MTA NYCT - KINGS HIGHWAY STATION F LINE	KINGS HIGHWAY & MCDONALD AVENUE	RCRA-LQG	Waste Code D008 (lead) from unspecified source. NOVs for records/reporting, prepardness and prevention, general facility standards, and contingency plan and emergency procedures.	RCRA-regulated facility
JK1339	MANHOLE #36821	OCEAN AVENUE 70 FEET NORTH OF AVENUE Y	NY Spills	Two quarts of oil on 200 gallons of water in manhole. No PCB results reported. Cleanup pending sample results.	De minimus quantity
JM1340	EMMONS AVE AT E. 21ST ST	EMMONS AVENUE AT EAST 21ST STREET	NY Spills	Call reported construction site dumping water in strom swewer draining to Sheepshead Bay.	De minimus quantity
1341	1872 OCEAN PARKWAY	1872 OCEAN PARKWAY	NY Spills	Minor residential fuel oil spill to sidewalk from clogges vent pipe.	Petroleum Exclusion
1342	CON EDISON - MANHOLE 59151	2049 HOMECREST AVENUE AND AVENUE U	RCRA-LQG	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
JN1343	TWO QTS COOLANT WENT INTO SEWER	KINGS HIGHWAY & WEST 4TH STREET	NY Spills	Two quarts of antifreeze into sewer. Absorbant pads deployed but cleanup status unknown.	De minimus quantity
1344	174 FALMOUTH STREET	174 FALMOUTH STREET	NY LTANKS NY Spills	Minor residential fuel oil spill to sidewalk due to tank overfill.	Petroleum Exclusion
JQ1345	BLAU PROEPRTY	4924 BEACH 49TH STREET	NY Spills	Duplicate spill report regarding unspecified Sandy-related tank pump out.	Record does not identify a release
JR1346	CON EDISON - MANHOLE 36818	2860 OCEAN AVENUE	RCRA-LQG NY MANIFEST	Waste Codes B002 (petroleum oil or other liquid 50 ppm - <500 ppm) and D008 (lead). No violations found.	RCRA-regulated facility
JR1347	NEW YORK TELEPHONE CO	2885 OCEAN AVENUE	RCRA-VSQG FINDS ECHO NJ Manifest NY MANIFEST	Waste Codes D001 (ignitable), D002 (corrosive), F002 (spent halogenated solvents), and F003 (spent nonhalogenated solvents). No violations found.	RCRA-regulated facility
			NY Tanks	Unspecified quantity under NY's Petroleum Bulk Storage (PBS) program. No report of a release.	Record does not identify a release
1348	THOMAS SCALESE	2683 EAST 21ST STREET	NY Spills	Spill report created for tracking purposes related to NYSDEC's Hurricane Sandy response. 275 gallons of fuel oil recovered. No report of a release.	Record does not identify a release
JS1349	JONAS EQUITIES INC	2600 EAST 21ST STREET	NY Spills	NYSDEC observed fuel oil discharging to Sheepshead via stormwater outfall. USCG responded. Source identified as apartment building fuel oil migrating to storm sewers via sumps.	Petroleum Exclusion
JQ1350	RESIDENTIAL PROPERTY	4924 BEACH 49TH STREET	NY Spills	Spill report created for tracking purposes related to NYSDECs Hurricane Sandy response. Caller requested fuel oil tank pump out due to impacts from salt water. 275 gallons recovered. No report of a release.	Record does not identify a release

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1351	EXCELLENT CLEANERS	345 KINGS HIGHWAY	RCRA-VSQG NY MANIFEST	Former dry cleaners now occupied by a dental office. Waste Codes D002 (corrosive) and F002 (spent halogenated solvents). No report of unpermitted releases or environmental investigations.	Record does not identify a release
JO1352	PRIVATE DWELLING	4283 BEACH 48TH STREET	NY Spills	Spill report created for tracking purposes related to NYSDECs Hurricane Sandy response. Caller requested fuel oil tank pump out due to storm damage. 275 gallons recovered. No report of a release.	Record does not identify a release
1353	2130 E. 15TH ST	2130 EAST 15TH STREET	NY Spills	Spill of one gallon of fuel oil due to unspecified equipment failure. Report notes spill contained and cleaned up.	Petroleum Exclusion
JT1354	1907 AVENUE X	1907 AVENUE X	NY Spills	Fuel oil delivery driver attacked by dogs sprayed dogs with one gallon of fuel oil. Spill cleaned up.	Petroleum Exclusion
1355	CON EDISON - VAULT SUBMERSIBLE 3707	2183 86TH STREET	RCRA-LQG	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
1356	SALVATORE CAVALIERE	2661 EAST 21ST STREET	NY Spills	Repsonse initated by gaoline vapors emminating from a UST. NYSDEC discovered an unpermitted spray painting operation that was cited for unpermitted releases to air, no secondary containment for waste oil, and improper disposal of lead-acid batteries.	De minimus quantity
1357	BIG DADDY ELECTRONICS	435 KINGS HIGHWAY	NY Spills	Used air conditioners piled up behind appliance store. Caller reported leaking coolant.	De minimus quantity
JU1358	POLE #6993-IN FRONT OF 1404 AVENUE U	1404 AVENUE U	NY Spills	One-half gallon iol leaked from overhead transformer to sidewalk. PCBs=<1 ppm. Spill cleaned up.	De minimus quantity
JV1359	MANHOLE 38245	KINGS HIGHWAY / EAST 2ND STEEET	NY Spills	Less than one pint dielectric fluid on one pint water in manhole. PCBs=43 ppm. Cleanup completed.	De minimus quantity
JV1360	MANHOLE 63639	EAST 2ND STREET & KINGS HIGHWAY	NY Spills	One pint of oil on 100 gallons water in manhole. PCBs=<1 ppm. Cleanup completed.	De minimus quantity
JU1361	MANHOLE 57852	AVENUE U/EAST 14TH STREET	NY Spills	One quart of dielectric fluid leaked to manhole, no water. No PCB results reported. Cleanup completed.	De minimus quantity
JS1362	MANHOLE 62967	AVENUE Z AND EAST 21ST STREET	NY Spills	One gallon of dielectric fluid found in manhole sump. No PCB results reported.	De minimus quantity
JP1363	CROSSLAND SAVINGS BANK	481 KINGS HIGHWAY	NY Spills	Minor spill of fuel oil from leaking line fitting.	Petroleum Exclusion
JW1364	COMMERCIAL BUSINESS	1701 GRAVESEND NECK ROAD	NY Spills	NYSDEC correspondence regarding remediation of petroleum contamination at former gas station.	Petroleum Exclusion
JW1365	SOR-SAN REALY CORP	1701 GRAVESEND NECK ROAD - COR BLDG	RCRA-VSQG NY MANIFEST	Waste Code D001 (ignitable) manifested off-site from former gas station.	RCRA-regulated facility
JT1366	TM #1861	AVENUE X & OCEAN AVENUE	NY Spills	Sheen on 1 1/2 gallons of water. PCBs=<1 ppm. Cleanup complete.	De minimus quantity
1367	KINGS HWY & 6TH ST	KINGS HIGHWAY / 6TH STREET	NY Spills	150 gallons of waste oil in manhole attributed to dumping.	De minimus quantity
JU1368	SPILL NUMBER 0103506	14-04 AVENUE U	NY Spills	Two quarts of "non PCB" oil leaked from pole-mounted transformer to sidewalk. No PCB results reported. Cleanup completed.	De minimus quantity

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JO1369	4283 BEACH 48TH ST	4823 BEACH 48TH STREET	NY Spills	Soil sample indicates petroleum contamination next to UST. NYSDEC requested groundwater sample prior to closing spill case.	Petroleum Exclusion
JX1370	ROYAL AUTO REPAIR	KINGS HIGHWAY & WEST 8TH STREET	NY Spills	Anonymous caller reported employees dumping waste oil into leaking dumpster and leaking buckets of oil leaking to sidewalk.	Petroleum Exclusion
1371	ON THE ROADWAY	1620 AVENUE V	NY Spills	Ten gallons of gasoline spilled to roadway due to traffic accident. FDNY responded.	Petroleum Exclusion
1372	175 FALMOUTH STREET / BRO	MRS. ISAACS PVT. DWELLING	NY Spills	Residence using gas heat reporting oil smell in side of basement facing neighbor using oil heat.	Petroleum Exclusion
JW1373	RETURN TO PERFECTION INC	1717 GRAVESEND NECK ROAD	RCRA-VSQG NY MANIFEST	Former towing company facility now occupied by an auto repair shop. Waste Code F003 (spent nonhalogenated solvent) manifested off site. No violations, releases, or environmental investigations noted.	Record does not identify a release
JY1374	STREET IN FRONT OF BUILDING	8313 BAY PARKWAY	NY Spills	Minor spill of gasoline from a taxi. FDNY Responded.	Petroleum Exclusion
1375	EAST 22ND ST/SHORE PKWY	EAST 22ND STREET/SHORE PARKWAY	NY Spills	"Small amount" of oil spilled to unspecified waterbody. EPA and USCG responded.	Unknown source
JZ1376	OLD GETTY STATION	2102 AND 2112 AVENUE Z	NY Spills	NYSDEC memo regarding gasoline vapors in monitoring wells at former gas station.	Petroleum Exclusion
JY1377	MANHOLE 6878	BAY PARKWAY AND 84TH STREET	NY Spills	One pint of oil on 4,000 gallons of water. PCBs=3 ppm. Cleanup completed.	De minimus quantity
KA1378	BTWN VOORHEES AV & SHORE	EAST 22ND STREET	NY Spills	Spill of unspecified type of oil from a truck migrated to sewers. FDNY responded.	Petroleum Exclusion
JZ1739	GETTY PETROLEUM CORP	2112 AVENUE Z	NY LTANKS NY Spills RCRA NonGen / NLR NY MANIFEST	Release from gasoline UST at gas station impacted soil, groundwater, and indoor air at nearby home.	Petroleum Exclusion
JX1380	MANHOLE 38207	KINGS HIGHWAY & WEST 8TH STREET	NY Spills	Sheen on unspecified quantity of water in manhole. PCBs=<1 ppm. Cleanup completed.	De minimus quantity
JZ1381	AVE Z BET E 21ST & E 22ND	AVENUE Z BETWEEN 21ST AND 22ND STREETS	NY Spills	Unspecified spill of gasoline closed.	Petroleum Exclusion
1382	GULF STATION	BATH AVENUE / 21ST STREET	NY Spills	Caller reported gasoline vapor during delivery at gas station due to not using vapor recovery.	Petroleum Exclusion
1383	NEW PARIS CLEANERS	226 KINGS HIGHWAY	RCRA-VSQG FINDS ECHO NY Dry Cleaners NY MANIFEST	Active dry cleaners. Waste Code F002 (spent halogenated solvents). No report of unpermitted releases or environmental investigations.	RCRA-regulated facility
KA1384	BASEMENT	2733 EAST 22ND STREET	NY Spills	Spill report created for tracking purposes related to NYSDEC's Hurricane Sandy response. 140 gallons of fuel oil recovered. No report of a release.	Record does not identify a release
1385	DONE RITE AUTO BODY SHOP INC	2313 EAST 19TH STREET	RCRA-VSQG NY MANIFEST	Active autobody shop. Waste Codes D001 (ignitable) and F003 (spent nonhalogenated solvents). No violations, releases, or environmental investigations noted.	RCRA-regulated facility

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1386	MAN SOO EMPRESS KIM CLEANERS	2804 OCEAN AVENUE	RCRA-SQG FINDS ECHO NY MANIFEST	Former dry cleaners now occupied by a self service laundomat. Waste Codes D001 (ignitable) and F002 (spent halogenated solvents). No report of unpermitted releases or environmental investigations.	Record does not identify a release
JZ1387	2624 EAST 22ND STREET	2624 EAST 22ND STREET	NY LTANKS NY Spills	Vapors from spill at gas station impacting nearby residence.	Petroleum Exclusion
1388	ROYAL OIL REPAIR & TIRE	1701-1709 WEST 8TH STREET	NY Spills	Unspecified petroleum contamination in basement of repair shop.	Petroleum Exclusion
1389	VS# 3615	EAST 8TH STREET & AVENUE S	NY Spills	Spill of seven gallons of dielectric fluid in electrical vault due to unspecified equipment failure. No PCB results reported.	De minimus quantity
1390	CVS PHARMACY #2441	2151 86TH STREET	RCRA-VSQG NY MANIFEST	Waste types include ignitables; corrosives; and various metals, P- and U-listed wastes. No violations found.	RCRA-regulated facility
1391	2222 EAST 18TH STREET	2222 EAST 18TH STREET	NY Spills	Fifteen-gallon fuel oil spill to sidewalk due to faulty guage. Spill cleanedup.	Petroleum Exclusion
1392	CON EDISON - MANHOLE 56522	21ST DRIVE & 20TH LANE	RCRA-LQG NY MANIFEST	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
KB1393	SPILL NUMBER 9904293	40-14 QUENTIN ROAD	NY Spills	Leak of 15 drops of dielectric fluid from electrical cable to concrete. No PCB results reported. Cleanup complete.	De minimus quantity
1394	CON EDISON - MANHOLE 1439	1847 OCEAN PARKWAY	RCRA-LQG	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
KC1395	PRIVATE HOME	8223 BAY PARKWAY	NY Spills	Residential fuel oil spill called in after cleanup.	Petroleum Exclusion
1396	SPILL NUMBER 9814574	1890 EAST 5TH STREET	NY Spills	Ten gallons of fuel spilled due to tank overfill. Oil company responded.	Petroleum Exclusion
1397	MBS SCHOOL	2115 BENSON AVENUE	NY Spills	Minor mercury spill from blood pressure guage failure.	De minimus quantity
KD1398	CON EDISON - MANHOLE 75195	2221 EMMONS AVENUE	RCRA-LQG NY MANIFEST	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
KD1399	CON EDISON - MANHOLE 64647	NEC STILLWELL AVE & AMP;NEPTUN	RCRA-LQG NY MANIFEST	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
KC1400	TRANSFORMER MOAT	83RD STREET/BAY PARKWAY	NY Spills	Transformer fire resulted in oil being sprayed onto vehicles, street, and vegetation on private property. PCBs=<10 ppm. FDNY and Con Edison contractor responded.	De minimus quantity
1401	63109 MANHOLE	EAST 4TH STREET AND KINGS HIGHWAY	NY Spills	Three pints of dielectric fluid leaked from electrical cable onto 10 gallons of water in electrical vault. No PCB results reported. Cleanup complete.	De minimus quantity
1402	NYC DEPT OF EDUCATION - PS 153K	1970 HOMECREST AVENUE	RCRA-SQG NY MANIFEST	Waste Codes B004 (PCB material 50-<500 ppm) B007 (other PCB wastes), and D008 (lead). No violations found.	RCRA-regulated facility
1403	MANHOLE #59431	23RD AVENUE & STILLWELL AVENUE	NY Spills	One gallon of oil on 200 gallons of water. PCBs=<1 ppm. Cleanup completed.	De minimus quantity
KE1404	2770 OCEAN AVE	2770 OCEAN AVENUE	NY LTANKS NY Spills	Fuel oil tank test failure due to PVC fill lines connected to steel tank. Tank passed afer lines replaced.	Record does not identify a release
1405	PRIVATE RESIDENCE	BETWEEN 1741 & 1743 W 1ST STREET	NY Spills	Ten-gallon spill of fuel oil from unspecified equipment failure.	Petroleum Exclusion
KF1406	TRAFFIC ACCIDENT	1942 MCDONAL AVENUE	NY Spills	Two hundered-gallon spill of fuel oil from delivery truck due to traffic accident. FDNY responded.	Petroleum Exclusion

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KE1407	CON EDISON - MANHOLE 36808	2762 OCEAN AVENUE	RCRA-LQG NY MANIFEST	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
KE1408	MH 36808	2762 OCEAN AVENUE	NY Spills	One quart of oil on 200 gallons of oil in manhole. PCBs=31 ppm. Cleanup pending moving blocking vehicle.	De minimus quantity
1409	TWO GAL LEAK AERIAL XFMR ON POLE # 1392	ORIENTAL BOULEVARD & GIRARD STREET	NY Spills	Two-gallon leak of oil from overhead transformer. No PCB results reported. Cleanup completed.	De minimus quantity
KB1410	OVERHEAD CABLE	37-18 QUENTIN ROAD	NY Spills	Leak of one pint of dielectric fluid from overhead cable to sidewalk and vehicle. No sample colected. Cleanup completed.	De minimus quantity
KG1411	FOUR SEASONS CLEANERS	1520 AVENUE U	RCRA-VSQG FINDS ECHO NY MANIFEST	Former dry cleaners now occupied by a neighborhood market. Waste Codes D007 (chromium), D008 (lead), D039 (lead), D040 (TCE), and F002 (spent halogenated solvents). No record of unpermitted releases or environmental investigations.	Record does not identify a release
1412	IN DRIVEWAY (SHARED WITH CALLER)	1227 AVENUE T	NY Spills	Caller reported ongoing fuel oil leak migrating down driveway. NYSDEC observed some staining but no other signs of a release.	Petroleum Exclusion
1413	96 DOOLEY ST (HURRICANE SANDY)	96 DOOLEY STREET	NY Spills	Spill report created for tracking purposes related to NYSDEC's Hurricane Sandy reposne. 275 gallons fuel oil recovered from residence. No report of a release.	Record does not identify a release
1414	LEE'S CLEANERS	2221 VOORHIES AVENUE	RCRA-VSQG ICIS US AIRS FINDS ECHO NY MANIFEST	Active dry cleaner. Waste Codes F002 (spent halogenated sovents) and D039 (PCE). Minor air emitter. Formal and Informal Administrative NOVs. No report of unpermitted releases or environmental investigations.	RCRA-regulated facility
1415	TN2451 UNDERGROUND TRANSFORMER	21ST STREET AND BENSON AVENUE	NY Spills	Transformer began leaking during removal. Reported release of 10 gallons. No PCB results reported. Cleanup completed.	De minimus quantity
KC1416	SPILL NUMBER 0011210	8224 BAY PARKWAY	NY Spills	Seventy-gallon spill of fuel oil during delivery. Spill cleaned up, imapcted soil removed.	Petroleum Exclusion
1417	2159 E. 17TH STREET	2159 EAST 17TH STREET	NY Spills	Caller reported oil seeping up through ground in front of house. No additional information.	Petroleum Exclusion
1418	CON EDISON - SERVICE BOX SB62841	1831 OCEAN PARKWAY	RCRA-LQG	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
1419	CON EDISON - MANHOLE 6885	86TH STREET & BAY 28TH STREET	RCRA-LQG	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
1420	ILONA BRODSKI	124 HASTINGS STREET	NY Spills	Spill report created for tracking purposes related to NYSDEC's Hurricane Sandy response. Report notes basement needs pump out. 75 gallons recovered.	Petroleum Exclusion
KH1421	197 KINGS ST/BKLYN	197 KINGS STREET	NY Spills	Contaminated water spilled to street during cleaning of heating oil tanker truck. Spill cleaned up.	Petroleum Exclusion
1422	W 10/KINGS HWY	1684 WEST 10TH STREET	NY Spills	Abandoned drum of waste oil, leaves, and garbage pumped out during drum run. No report of a release.	Record does not identify a release
1423	MR. MARINO - SANDY STORM	2639 EAST 23RD STREET	NY Spills	Spill report created for tracking purposes related to NYSDEC's Hurricane Sandy response. Report notes storm-related loss of fuel oil and soil contamination.	Petroleum Exclusion

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KH1424	RITE AID #01881	185 KINGS HIGHWAY	RCRA-VSQG NY MANIFEST	Waste types include ignitables; corrosives; and various metals, P- and U-listed wastes. No violations found.	RCRA-regulated facility
KG1425	EAST 16TH ST	AVENUE U & EAST 16TH STREET	NY Spills	Unknown amout of diesel fuel spilled from city bus due to broken fuel line. Some of the spill entered sewer with rain.	Petroleum Exclusion
KF1427	GARBAGE ROUTE	WOODSIDE AVENUE & MCDONAL AVENUE	NY Spills	Unknown green liquid in garbage truck resulted in two workers taken to hospital as a precautionary measure.	Unknown source
1428	DRUM RUN	2167 83RD STREET	NY Spills	NYFD found a leaking container of used oil. FDNY poverpacked container pending pickup.	Petroleum Exclusion
1429	IDEAL CLEANERS	16-65 STILLWELL AVENUE	RCRA-SQG FINDS ECHO NY MANIFEST	Inactive dry cleaners now unoccupied. Waste Codes D039 (PCE), D040 (TCE), and F002 (spent halogenated solvents. Minor air emitter. Administrative Informal NOV. No record of unpermitted release or environmental investigations.	Record does not identify a release
KJ1430	RECLOSURE SWITCH LEAK AT POLE 37281	EAST 21ST STREET & AVENUE X	NY Spills	One-half pint of dielectric fluid leaked from pole-mounted transformer. No PCB results reported. Cleanup crew enroute.	De minimus quantity
1431	SPILL NUMBER 0011887	1668 WEST 6TH STREET	NY LTANKS NY Spills	Fifty-gallons fuel oil spill at apartment building due to unspecified tank failure. FDNY responded.	Petroleum Exclusion
1432	HAMPTON AVE / HASTINGS ST	HAMPTON AVENUE / HASTINGS STREET	NY Spills	NYSDEC regarding past incident regarding drum of fuel oil dropping of back of a truck and spilling onto the street and into sewer.	Petroleum Exclusion
KI1433	30 FT SOUTH OF KINGS HY	13TH STREET	NY Spills	One-gallon spill of dielectric fluid in electrical vault. PCBs=46 ppm. Cleanup completed, including removal of soil from vault.	De minimus quantity
KK1434	MANHOLE #1440	OCEAN PARKWAY/AVENUE R	NY Spills	Two pints of oil on 100 gallons of water in manhole. PCBs=<1 ppm. Cleanup completed.	De minimus quantity
1435	CON EDISON - MANHOLE 35435	2033 CROPSEY AVENUE	RCRA-LQG	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
KL1436	CON EDISON - MANHOLE M36032	2253 EMMONS AVENUE	RCRA-LQG	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
1437	MANHOLE 432487	QUENTIN ROAD/WEST 2ND STREET	NY Spills	One gallon of oil mixed with 1 1/2 gallons of mud and water in manhole. No PCB results reported. Cleanup pending sample results.	De minimus quantity
KJ1438	ROADWAY	2101 AVENUE X	NY Spills	Caller stated street was covered with oil. No additional information.	Petroleum Exclusion
KM1439	MANHOLE #1424	CONEY ISLAND AVENUE/AVENUE S	NY Spills	One pint of dielectric fluid on dry concrete floor in manhole. No PCB results reported. Cleanup pending sample results.	De minimus quantity
KM1440	MANHOLE 1425	NW CONEY ISLAND AVENUE/AVENUE S	NY Spills	Update to KM1439 - PCBs=5 ppm. Cleanup completed.	De minimus quantity
KM1441	SPILL NUMBER 0211782	AVENUE S & CONEY ISLAND AVENUE	NY Spills	Three 5-gallon containers of used oil left at intersection. Small amount spilled and cleaned up.	Petroleum Exclusion
1442	CON EDISON - MANHOLE 68390	2709 OCEAN AVENUE	RCRA-LQG NY MANIFEST	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
KL1443	PIER #7 SHEEPSHEAD BAY	PIER #7 SHEEPSHEAD BAY	NY Spills	Oil leaking from sunken vessel.	Petroleum Exclusion
KL1444	PIER SHEEPSHEAD BAY	PIER #7 SHEEPSHEAD BAY	NY Spills	Update to KL1443 - USCG responded.	Petroleum Exclusion

TABLE 1
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EDR Map ID	Site Name	Address	Databases	Comments	Reason Eliminated
KL1445	PIER 7 @EMMONS & DOOLEY	SHEEPSHEAD BAY	NY Spills	Pile of debris and containers of engine oil at end of pier reportedly being cleaned up by responsible party.	Petroleum Exclusion
1446	SIDEWALK	2461 EAST 22ND STREET	NY Spills	Dumping of unspecified quantity of used oil impacted surface soil around tree. NYCDEP responded.	Petroleum Exclusion
KN1447	MICHAELS DRY CLEANERS OF BROOKLYN	2022 CROPSEY AVENUE	NY Spills	During Phase II PCE detected in soil and groundwater. Responsible party to continue investigation.	Record does not identify a release
			RCRA NonGen / NLR ICIS US AIRS NY Dry Cleaners NY MANIFEST	Active dry cleaners. Waste Codes D007 (chromium), D008 (lead), D039 (PCE), and F002 (spent halogenated solvents). Adminstrative Informal NOVs. Minor air emitter.	
1448	APARTMENT COMPLEX	1800 OCEAN PARKWAY	NY Spills	Fifteen-gallon fuel oil spill to ground outside apartment building due to faulty guage. Spill cleaned up.	Petroleum Exclusion
KK1449	CON EDISON - MANHOLE 73129	1799 OCEAN PARKWAY AND AVENUE R	RCRA-LQG NJ Manifest NY MANIFEST	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
KO1450	VAULT 3675	86TH STREET & 21ST AVENUE	NY Spills	One quart of dielectric fluid on soil in electrical vault. PCBs=20 ppm. Cleanup completed.	De minimus quantity
KP1451	8020 BAY PARK WAY	8020 BAY PARKWAY	NY Spills	Multiple spill reports and NYSDEC memos regarding fuel oil releases at apartment building.	Petroleum Exclusion
KN1452	CVS PHARMACY #5134	2014 CROPSEY AVENUE	RCRA-VSQG FINDS ECHO NY MANIFEST	Waste types include ignitables; corrosives; and various metals, P- and U-listed wastes. No violations found.	RCRA-regulated facility
KQ1453	I D A CLEANERS INC	579 KINGS HIGHWAY	RCRA-SQG ICIS US AIRS NY Dry Cleaners RI Manifest NY MANIFEST	Active dry cleaner. Waste Code F002 (spent halogenated solvents). Administrative Formal and Informal NOVs. Minor air emitter.	RCRA-regulated facility
KR1455	137 KINGS HWY	137 KINGS HIGHWAY	NY Spills	Petroleum release discovered during UST removal at abandoned gas station.	Petroleum Exclusion
1456	CORNER OF KINGS HIGHWAY & STILLWELL AVE	CORNER OF KINGS HIGHWAY & STILLWELL AVENUE	NY Spills	Caller reported dumping at abandoned gas station. Follow-up visit by NYSDEC revealed no evidence of dumping and only minor staining on asphalt.	Record does not identify a release
KP1457	ROADWAY	BAY PARKWAY AND 80TH STREET	NY Spills	Unspecified spill of 10 gallons of antifreeze from commercial vehicle to pavement. Cleanup complete.	De minimus quantity
KN1459	2002 CROPSEY ASSOCIATES LLC	2002-2024 CROPSEY AVENUE	RCRA-LQG FINDS ECHO	Waste Code D001 (ignitable) from unspecified source. No violations found.	RCRA-regulated facility
1460	SANDY FOLLOW UP	2330 VOORHIES AVENUE	NY Spills	Sandy-releated leak of gasoline from container in garage.	Petroleum Exclusion
1461	MANHOLE #6350	IRWIN STREET & HAMPTON AVENUE	NY Spills	Twenty-five gallons of oil on 500 gallons of water in manhole. PCBs=127 ppm. Cleanup completed.	De minimus quantity
1462	JOHN RUGGINO	152 IRWIN STREET	NY Spills	Spill report created for tracking purposes related to NYSDEC's Hurricane Sandy response. Fifty gallons recovered from basement tank. No report of a release.	Record does not identify a release

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EDR Map ID	Site Name	Address	Databases	Comments	Reason Eliminated
KR1463	GETTY #229	125 KINGS HIGHWAY	NY Spills	Various NYSDEC memos regarding spills, test failures, and monitoring of groundwater contamination at former gas station.	Petroleum Exclusion
			NY E Designation		
KR1464	BUSINESS - SERVICE STATION	125 KINGS HIGHWAY	NY Spills	UST removal and BTEX in groundwater at former gas station.	Petroleum Exclusion
1465	33 BAY 26TH STREET	33 BAY 26TH STREET	NY Spills	Minor fuel oil spill due to back pressure in tank fill line.	Petroleum Exclusion
KO1466	2085 86TH STREET	2085 86TH STREET	NY Spills	Eleven-gallon spill of fuel oil due to back pressure in fill line.	Petroleum Exclusion
1467	APARTMENT	2701 OCEAN AVENUE	NY LTANKS	Mutiple fuel oil tank test failures.	Record does not identify a release
			NY Spills	Two hundred-gallon fuel oil overfill flowed through garage, around cars, and into sewer drain and sum pit. NYSDEC awaiting cleanup documentation.	Petroleum Exclusion
KQ1468	587 DEVELOPMENT INC.	587 KINGS HIGHWAY	NY UST	Ten-story apartment building built on property with residual contamination from former gas station. Sampling and monitoring under NYSDEC oversight.	Petroleum Exclusion
			NY Spills		
			NY E Designation		
1469	SANDY FOLLOW UP	2405 VOORHIES AVENUE	NY Spills	Spill report created for tracking purposes releated to NYSDEC's Hurricane Sandy response. Oil film left on basement floor, cleanup pending.	Petroleum Exclusion
KS1470	PS 195 BROOKLYN	131 IRWIN STREET	NY LTANKS	Tank test failure. Report states unspecified fuel oil tank "could not hold product level" Spill closed due to lack of recent information. No report of a release.	Record does not identify a release
			NY Spills	Report states "some soil samples came back positive from around tanks." No additional information.	Petroleum Exclusion
KS1471	NYC DEPT OF EDUCATION - PS 195K	131 IRWIN STREET	RCRA-SQG	Waste Codes B004 (PCB articles 50 - < 500 ppm, oil-filled elec. equip with unknown conc.) and B007 (other PCB wastes). No violations found.	RCRA-regulated facility
			FINDS		
			ECHO		
1472	BETWEEN AVE S & FIRST CT	CONEY ISLAND AVENUE	NY Spills	Report of an abandoned drum containing waste oil/used oil. No report of a release.	Record does not identify a release
1473	INSIDE	2210 AVENUE X	NY Spills	Spill report regaring Sandy-releated discharge of fuel oil to sump adminstratively closed due to lack of additional information.	Petroleum Exclusion
KT1474	2121 83RD STREET	2121 83RD STREET	NY Spills	One pint of fuel oil spilled due to defective valve.	Petroleum Exclusion
1475	2365 E 21ST STREET	2365 EAST 21ST STREET	NY Spills	Caller reported gasoline dumped into sewer. Brooklyn Union Gas responded and confirmed gasoline in sewer.	Petroleum Exclusion
1476	SUNOCO #0007-1266	1626 STILLWELL AVENUE	NY LTANKS	Petroleum contamination at gas station being addressed under NYSDEC oversight.	Petroleum Exclusion
			NY Spills		
			RCRA NonGen / NLR		
			US AIRS		
			FINDS		
			ECHO		
			NY MANIFEST		
1477	MH 56526	8898 20TH AVENUE	NY Spills	Two quarts of oil on one gallon of water in manhole. PCBs=<1 ppm. Cleanup complete.	De minimus quantity

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EDR Map ID	Site Name	Address	Databases	Comments	Reason Eliminated
1478	BASEMENT FLOOD AT 157 IRWIN ST	157 IRWIN STREET	NY Spills	Water pipe burst at vacant residence and seeped into basement of adjacent residence. Caller raised concerns regarding affects on fuel oil tanks. No evidence of spills were noted by NYSDEC.	Record does not identify a release
KU1479	4750 BEDFORD AVE	4750 BEDFORD AVENUE	NY Spills	Gross fuel oil contamination at apartment building. Free product recovery from groundwater. Addressed under NYSDEC oversight.	Petroleum Exclusion
1480	SPILL NUMBER 0012809	2025-2035 EAST 16TH STREET	NY Spills	Thirty-five gallon spill of fuel oil through open stick cap during delivery. Oil company responded.	Petroleum Exclusion
1481	21 ST & 84TH ST/P S128	21ST STREET & 84TH STREET	NY Spills	Caller reported that "area around school seems contaminated" and "noxious fumes in the area." Referred to NYCDEP.	Unknown source
1482	ROADWAY	KINGS HIGHWAY AND OCEAN PARKWAY	NY Spills	Minor spill of gasoline to roadway from unspecified equipment failure.	Petroleum Exclusion
KU1483	4766 BEDFORD AVENUE	4766 BEDFORD AVENUE	NY Spills	Unspecified quantity of fuel oil leaked from tank on construction site.	Petroleum Exclusion
1484	1629 W. 6TH ST	1629 WEST 6TH STREET	NY Spills	Minor residential spill of fuel oil due to loose oil guage.	Petroleum Exclusion
KV1485	1777 OCEAN PKWY	1777 OCEAN PARKWAY	NY Spills	Twenty-gallon spill of residential fuel oil due faulty guage and tank overfill.	Petroleum Exclusion
KT1486	CON EDISON	2113 83RD STREET	NY Spills NY MANIFEST	Spill of 275 gallons of fuel oil from residential basement AST impacted structure and underlying soils. Homeowner contracted for cleanup. Excavated soil and cleanup waste manifested off site.	Petroleum Exclusion
1487	BACK YARD	183 IRWIN STREET	NY Spills	Report of resident draining pool to neighbor's backyard.	Not CERCLA-eligible
1488	MH 59143	AVENUE S & HOMECREST AVENUE	NY Spills	Unspecified reporet of one pint of unknown petroleum that hasn't been cleaned up.	Petroleum Exclusion
1489	1624 WEST 7TH STREET	1624 WEST 7TH STREET	NY Spills	Report of unknown amount of unknown chemical poured on tree.	De minimus quantity
KW1490	STREET	86TH STREET & BAY 26TH STREET	NY Spills	Unspecified quantity of hydraulic oil leaked from commercial vehicle.	Petroleum Exclusion
KW1491	MTA NYCT - 86TH STREET & BAY 26TH STREET SUBSTATION	BAY 26TH & 86TH STREET	RCRA-SQG NY MANIFEST	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
1492	TOIV HOME	914 1ST STREET	NY Spills	Resident self-reported oil stain near boiler basement. Leak suspected from fuel line running under foundation. Owner retained contractor to investigate.	Petroleum Exclusion
KX1493	PIER 3	BEDFORD & EMMONS AVENUES	NY Spills	Report of oil leaking from boat. No additional information.	Petroleum Exclusion
KX1494	PIER 6	EMMONS & BEDFORD AVENUES	NY Spills	Unspecified quantity of petroleum leaked from sunken boat. No additonal information.	Petroleum Exclusion
KX1495	SHEEPS HEAD BAY PIER 3	EMMONS & BEDFORD AVENUES	NY Spills	Report of drum of suspected oil or unknown waste left at pier. No drum found.	Record does not identify a release
KY1496	SPILL NUMBER 0111419	1806 AVENUE U	NY Spills	Caller reported "small" heating oil spill on sidewalk.	Petroleum Exclusion
1497	SPILL NUMBER 9900139	BELT PARKWAY/BEDFORD AVENUE	NY Spills	Half-gallon spill of antifreeze from traffic accident.	De minimus quantity
KW1498	MANHOLE #6892	IFO 2061 86TH STREET	NY Spills	Seven gallons of oil on 800 gallons of water in manhole. PCBs=<1 ppm. Cleanup completed.	De minimus quantity

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EDR Map ID	Site Name	Address	Databases	Comments	Reason Eliminated
1499	RESIDENCE	8800 20TH AVENUE	NY Spills	Vapors from fuel oil tank removal and residnual contamination impacting common areas of apartment building.	Petroleum Exclusion
KV1501	MORRIS CLEANERS	606 KINGS HIGHWAY	RCRA-VSQG ICIS US AIRS NY MANIFEST RI Manifest	Active dry cleaners. Waste Codes D001 (ignitable), D039 (PCE), and F002 (spent halogenated solvents. Adminstrative Informal NOVs. Minor Air emitter. No report of unpermitted releases or environmental investigations.	RCRA-regulated facility
KY1502	NEW EAGLE CLEANERS	1812 AVENUE U	RCRA-VSQG NY MANIFEST	Former dry cleanrs now occupied by a neighborhood discount store. Waste Codes	Record does not identify a release
KZ1503	APPROVED OIL	20TH AVENUE / BATH AVENUE	NY Spills	Spill of 300 gallons of motor oil to roadway due to unspecified equipment failure, reached storm drain. FDNY responded.	Petroleum Exclusion
KZ1504	APPROVED OIL	20TH AVENUE / BATH AVENUE	NY Spills	Equipment failure from above described as "blown valve".	Petroleum Exclusion
KZ1505	IN THE STREET	20TH AVENUE / BATH AVENUE	NY Spills	Update for above - equipment failure described as break in the meter of a delivery truck.	Petroleum Exclusion
1506	7802 BAY PKWY	7802 BAY PARKWAY	NY LTANKS	Eight-gallon spill of fuel oil to pavement from tank overfill.	Petroleum Exclusion
			NY Spills	Report of employees dumping chlorine down drain and overcome by vapors. FDNY responded.	De minimus quantity
KW1507	CON EDSION - MANHOLE 6892	2057 86TH STREET	RCRA-LQG FINDS	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
1508	CON ED MANHOLE	AVENUE V & OCEAN AVENUE	NY Spills	Sheen on 500 gallons of water in manhole. PCBs=<1 ppm. Cleanup pending removal of car blocking manhole.	De minimus quantity
1509	SIDEWALK SPILL	2135 EAST 19TH STREET	NY Spills	Report of oil spill on sidewalk not cleaned up. No additional information.	Petroleum Exclusion
LA1510	GETTY SVC #58415 - GETTY PROPERTIES	2001 GRAVESEND NECK ROAD	NY LTANKS NY Spills	Petroleum contamination from gas station imapcted soil and groundwater. Monitoring and	Petroleum Exclusion
1511	JAMES BEATRICE	4648 BEDFORD AVENUE	NY Spills	Fuel oil tank test failure. No report of a release.	Record does not identify a release
LB1512	HOME (DUPLICATE SPILL)	2329 EAST 21ST STREET	NY Spills	Fuel oil delivery to wrong residence resulted in 100-gallon spill to basement which reached floor drain. Oil company responded.	Petroleum Exclusion
LB1513	PRIVATE RESD	2329 EAST 21ST STREET	NY Spills	Update to LB1512 - details regarding response and remedial efforts for fuel oil spill.	Petroleum Exclusion
KX1514	PIER 3	EMMONS AVENUE PIER 3	NY Spills	Caller reported abdoned drums containing plastic containers. No report of a release.	Record does not identify a release
1515	REGULATOR #10	21ST STREET & 83RD STREET	NY Spills	Raw sewage spill ongoing.	Not CERCLA-eligible
1516	19TH & 20TH STS	19TH STREET/20TH STREET	NY Spills	Report of employees dumping "products" down strom drain. Spill report indicates material as gasoline.	Petroleum Exclusion
LA1517	PARK AVE INTRADE INC/GULF STATION	2633 OCEAN AVENUE	NY LTANKS NY Spills	Petroleum contamination from gas station imapcted soil and groundwater. Monitoring and	Petroleum Exclusion
1518	SPILL NUMBER 9803486	1624 WEST 4TH STREET	NY Spills	Caller reported "toxic fumes" from apartment building boiler.	Petroleum Exclusion
1519	121 JAFFRAY STREET	121 JAFFRAY STREET	NY Spills	Spill report created for tracking purposes related to NYSDEC's Hurricane Sandy response. 500 gallons of fuel oil removed from residence. No report of a release.	Record does not identify a release

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1520	2454 EAST 24TH STREET	2454 EAST 24TH STREET	NY Spills	Unknown amount of fuel spilled at residence. Oil company left scene and failed to notify. NYCDEP responded.	Petroleum Exclusion

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1521	NYCDOT - BELT SHORE PARKWAY	BELT SHORE PARKWAY OVER BEDFORD	RCRA-LQG FINDS ECHO NY MANIFEST	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
1522	BETWEEN BEDFORD EA 26TH	2511 EMMONS AVENUE	NY Spills	Caller reported unknown type of oil in water at fishing dock and dead fish.	De minimus quantity
1523	SERVICE BOX #40300	I/F/O 46 BAY 25TH STREET	NY Spills	One pint of oil on 200 gallons water in manhole. PCBs=<1 ppm. Cleanup completed.	De minimus quantity
LC1524	CONSTRUCTION SITE	36 AVENUE P	NY Spills	Petroleum contamination encountered during construction of a new school.	Petroleum Exclusion
1525	NYC DEPT OF EDUCATION - PS 128K	2075 84TH AVENUE	RCRA-SQG FINDS ECHO NY MANIFEST	Waste Codes B004 (PCBs 50-<500 ppm oil-filled elec. Equip) and B007 (other PCB wastes).	RCRA-regulated facility
LD1526	MANHOLE 6911 INFO	8732 20TH AVENUE	NY Spills	Two gallons of oil on 200 gallons of water in manhole. PCBs=<1 ppm.. Cleanup completed.	De minimus quantity
LE1527	POLE 11109	BEDFORD AVENUE AND AVENUE Z	NY Spills	Three quarts of dielectric fluid leaked from pole-mounted transformer to concrete. No PCB results reported. Cleanup completed.	De minimus quantity
LC1528	50 AVENUE P/BKLYN	50 AVENUE P	NY Spills	Fifty gallons of fuel oil leaked from broken fuel line in school.	Petroleum Exclusion
LE1529	MAN HOLE 61719	BEDFORD AVENUE - AVENUE Z	NY Spills	One pint of dielectric fluid leaked from cable joint to floor of manhole. PCBs=1535 ppm. Cleanup completed.	De minimus quantity
LD1530	MANHOLE #6911	8730 20TH AVENUE	NY Spills	One-half pint of dielectric fluid on soil in manhole. No PCB results reported.	De minimus quantity
1531	VAULT 3760	AVENUE P EAST OF WEST 10TH STREET	NY Spills	Two ouces of transformer oil leaked to concrete floor of electrical vault. PCBs<1 ppm. Cleanup completed.	De minimus quantity
LC1532	NYCSCA - SCHOOL 237K	36 AVENUE P	NY Spills	Petroleum contamination encountered during construction of a new school.	Petroleum Exclusion
1533	MH 6778	AVENUE P/WEST 9TH STREET	NY Spills	Six ounces of dielectric fluid leaked to soil on bottom of manhole. PCBs<1 ppm. Cleanup completed.	De minimus quantity
LF1534	INTERMEDIATE SCHOOL 096 SETH LOW	99 AVENUE P	RCRA-SQG FINDS ECHO NY MANIFEST	Waste Codes B004 (PCBs 50-<500 ppm oil-filled elec. Equip), B007 (other PCB wastes), D009 (mercury).	RCRA-regulated facility
1535	MANHOLE #68402	2611 OCEAN AVENUE	NY Spills	One pint of oil on five gallons of water in manhole. PCBs=3 ppm. Cleanup complete.	De minimus quantity
1536	SPILL NUMBER 0101623	1938 EAST 15TH STREET	NY Spills	Minor residential fuel oil spill due to tank overfill.	Petroleum Exclusion
LF1537	105 AVE P	105 AVENUE P	NY AST	Apartment building 5,000-gallon fuel oil AST.	Record does not identify a release
			NY Spills	Two-gallon fuel oil spill from boiler to basement floor due to unspecified equipment failure.	Petroleum Exclusion
1538	114 KENSINGTON AVE (HURRICANE SANDY)	114 KENSINGTON AVENUE	NY Spills	Spill report created for tracking purposes related to NYSDEC's Hurricane Sandy response. NYSDEC pumped out 1,100 gallons. No report of a release.	Record does not identify a release
1539	SHEEPSHEAD BAY	EAST 26TH STREET/EMMONS AVENUE	NY Spills	Caller reported dead fish.	Unknown source

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1540	IN FRONT OF 12 KENSINGTON STREET	12 KENSINGTON STREET	NY Spills	Three gallons of transformer oil leaked to sidwalk, street, and grass. PCBs<1 ppm. Cleanup completed.	De minimus quantity
1541	DRUM RUN	181 AVENUE P	NY Spills	One gallon of motor oil overpacked and scheduled for drum run. Overpack not found.	Record does not identify a release
1542	MANHOLE 58475	BEDFORD AVENUE/AVENUE X	NY Spills	One-half pint oil on 400 gallons of water in manhole. No PCB results reported.	De minimus quantity
1543	INTERSECTION	NW CORNER OF AVENUE P AND WEST 4TH STREET	NY Spills	Gasoline/oil leaked to street from commercial vehicle and migrated to sewer. Vehicle owner responded and cleaned up spill.	Petroleum Exclusion
1544	ROBRENO RESIDENCE - PETRO	2041 84TH STREET	NY Spills	Minor (1 oz.) spill of fuel oil during delivery.	Petroleum Exclusion
LG1545	BACKYARD & BASEMENT	2669 EAST 26TH STREET	NY Spills	Spill report created for tracking purposes related to NYSDEC's Hurricane Sandy response. 70 gallons pumed from basement AST. Report noted 3-4 10-gallons containers of oil/water mix.	Petroleum Exclusion
1546	SPILL NUMBER 9913487	2069 82ND STREET	NY Spills	Caller reported unknwn oil in front of residence. Con Edison responded.	De minimus quantity
LG1547	2653 EAST 26TH STREET	BTWN AVENUE Z AND VORHEES	NY Spills	Caller reported diesel fuel or oil leaking from construction vehicles.	Petroleum Exclusion
LH1548	2560 OCEAN REALTY CORP.	2560 OCEAN AVENUE	NY UST	Apartment Building fuel oil UST closed in place.	Record does not identify a release
			NY Spills	Fuel oil tank overfill due to faulty guage. Soil impacted.	Petroleum Exclusion
			NY MANIFEST	Waste Code D008 (lead).	Record does not identify a release
LI1549	TWO GALLONS OIL IN MANHOLE 6900	8646 20 AVENUE	NY Spills	Two gallons of oil in manhole. Report states no cleanup.	De minimus quantity
1550	BLACKTOP ROADWAY FROM MANHOLE 76704	1828 MCDONALD AVENUE	NY Spills	One quart of lubricating oil released to roadway during manhole pump out. No PCB results reported. Con Edison responded.	De minimus quantity
1551	SANDY FOLLOW UP	131 KENSINGTON STREET	NY Spills	Spill report created for tracking purposes releated to NYSDEC's Hurricane Sandy response. Cleanup of oil/water mixture awaiting access to basement.	Petroleum Exclusion
1552	AVENUE R /CONEY ISLAND AV	AVENUE R/CONEY ISLAND AVENUE	NY Spills	Unspecified leak of fuel oil from truck during delivery	Petroleum Exclusion
LI1553	PRIDE FRENCH CLEANERS & TAILORS	8642 20TH AVENUE	RCRA-SQG	Former dry cleaners now occupied by a restaurant. Waste Codes F002 (spent halogenated solvents), D007 (chromium), D039 (PCE), D040 (TCE). Minor air emitter. No report of unpermitted releases or environmental investigations.	Record does not identify a release
			ICIS		
			US AIRS		
			NY MANIFEST		
1554	OCEAN PKWY & QUENTIN ROAD	OCEAN PARKWAY / QUENTIN ROAD	NY Spills	Accidental release of two gallons of oil into sewer during manhole cleanup. PCBs=1532 ppm.	De minimus quantity
LJ1555	CON EDISON - MANHOLE 54461	2020 84TH STREET AND 20TH AVENUE	RCRA-LQG	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
			NJ Manifest		
			NY MANIFEST		
LK1556	MANHOLE #67795	EAST 18TH STREET AT AVENUE T	NY Spills	One quart of oil on three gallons of water in manhole. PCBs=357 ppm. Cleanup completed.	De minimus quantity
1557	DRUM RUN (20 GAL OVERPACK)	8620 20TH AVENUE	NY Spills	Five gallon bucket of used oil overpacked into a 20-gallon drum. Picked up on drum run.	Record does not identify a release

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1558	MTA NYCT - 20TH AVE STATION - D M LINES	20TH AVENUE & 86TH STREET	RCRA-SQG	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
1559	MANHOLE 39372	KINGS HIGHWAY AND EAST 8TH STREET	NY Spills	Unspecified quantity of dielectric fluid leaked in manhole. No PCB results reported. Cleanup completed.	De minimus quantity
LK1560	MANHOLE #67795	EAST 18TH STREET & AVENUE T	NY Spills	One gallon of oil on floor of manhole. PCBs=631 ppm.	De minimus quantity
LK1561	MH 68360	EAST 18TH STREET & AVENUE T	NY Spills	Update to LK1560 - Cleanup turnaround impacted by high PCB concentration.	De minimus quantity
1562	62 PRECINCT NYPD - DDC	1925 BATH AVENUE	NY LTANKS NY AST NY Spills	Petroleum contamination due to unspecified tank failure.	Petroleum Exclusion
LJ1563	2021 84 ST OWNERS COPORATION	2021 84TH STREET	NY LTANKS	Tank test failure. Retest passed after fill lines replaced.	Record does not identify a release
			NY UST	5,000-gallon fuel oil UST.	Record does not identify a release
			NY Spills	Tank owner overordered fuel oil resulting in 50-gallon spill.	Petroleum Exclusion
1564	NYC BD OF ED - PUBLIC SCHOOL 177 K	346 AVENUE P	RCRA-LQG FINDS NY MANIFEST	Waste Codes B004 (PCB material 50-<500 ppm) B007 (other PCB wastes), and D008 (lead). No violations found. Spill report for sheen observed on puddle that was attributed to dumpster removal. NYFD tested and determined not petroleum and flushed into storm drain.	RCRA-regulated facility
LH1565	RITE AID #03958	2002 AVENUE U	RCRA-VSQG NY MANIFEST	Waste types include ignitables; corrosives; and various metals, P- and U-listed wastes. No violations found.	RCRA-regulated facility
1566	CON EDISON - MANHOLE 56211	8895 19TH AVENUE	RCRA-LQG	Waste Code D008 (lead) from unspecified source. No violations found.	RCRA-regulated facility
1567	RESIDENCE - P	1789 EAST 7TH STREET	NY Spills	Minor leak from basement fuel oil AST contained by drip pans. Tank replaced.	Petroleum Exclusion
1568	SIDEWALK	2656 EAST 27TH STREET	NY Spills	Leak of one gallon of oil from Con Edison tree triming contractor truck resulted in staining of roadway. Cleanup complete.	Petroleum Exclusion
1569	1728 E 8TH ST	1728 EAST 8TH STREET	NY Spills	Fifty- to 150-gallon spill of fuel oil due to dislodging of fuel line from tank to boiler. Spill to basement impacting structure, furnishings, subsurface benath home, and sewer. Unspecified cleanup activities.	Petroleum Exclusion
LL1570	2612 AVE Z	2612 AVENUE Z	NY Spills	Pin hole leak in residential boiler.	Petroleum Exclusion
Ll1571	SPILL NUMBER 0305268	2612 AVENUE Z 1ST FLOOR	NY Spills	Residence impacted by fuel oil vapors.	Petroleum Exclusion
1572	NYC DEPT OF EDUCATION - PS200K	1940 BENSON AVENUE	RCRA-SQG NY MANIFEST	Waste Codes B004 (PCBs 50 ppm-<500 ppm and oil-filled unknown), B007 (other PCB	RCRA-regulated facility
1573	PRIVATE RESIDENCE	2533 EAST 26TH STREET	NY Spills	One-half gallon leak of fuel oil due to faulty fill pipe. Oil company responded.	Petroleum Exclusion
1574	PRIVATE RESIDENCE	2466 EAST 26TH STREET	NY Spills	Seven-gallon spill of fuel oil due to unspecified equipment failure. Cleanup crew notified.	Petroleum Exclusion
1575	221215; 2502 AVE X	2502 AVENUE X	NY Spills	Three ounces of dielectric fluid leaked from electricl distribution cable. No PCB result reported.	De minimus quantity
1576	20 FEET NORTH OF INTER	EAST 9TH STREET/KINGS HIGHWAY	NY Spills	Four 55-gallon drums of cooking oil left on street.	Not CERCLA-eligible

TABLE 1
RECORDS INELIGIBLE FOR CONSIDERATION UNDER CERCLA.

EDR Map ID	Site Name	Address	Databases	Comments	Reason Eliminated
1577	SUNOCO	1907 CROPSEY AVENUE	NY LTANKS NY Spills	Petroleum contamination at gas station being addressed under NYSDEC oversight.	Petroleum Exclusion
1578	188 LANGHAM STREET	188 LANGHAM STREET	NY Spills	Spill report created for tracking purposes related to NYSDEC's Hurricane Sandy response. Fifty gallons fuel oil removed. No report of a release.	Record does not identify a release

All oil releases related to electrical equipment and infrastructure, such as transformers, manholes, and electrical vaults, are assumed to be contaminated with PCBs and are evaluated as de minimus quantities.

APPENDIX C

Pre-CERCLA Screening Checklist/Decision Forms

Pre-CERCLA Screening Checklist/Decision Form

This form is used in conjunction with a site map and any additional information required by the EPA Region to document completion of a Pre-CERCLA Screening (PCS). The form includes a decision on whether a site should be added to the Superfund program's active site inventory for further investigation. This checklist replaces Attachment A in the December 2016 PCS Guidance document. A current version of the PCS checklist and additional information is available at: https://www.epa.gov/superfund/pre-cercla-screening.

Region: 2 **State/Territory:** NY **Tribe:** NYD001493857 (EPA ID No. (If Available))

Site Name: Coney Island Electroplating Works

Other Site Name(s):

Site Location: 2702 Stillwell Ave. (Street)

8 (Congressional District) Brooklyn (City) NY (State/Terr.) (County) 11224 - 2722 (Zip+4) ☐ (No Zip Available)

If no street address is available: (Township-Range) (Section)

Checklist Preparer:

Scott T. Snyder (Name / Title) 06/25/2020 (Date)

Weston Solutions, Inc. (Organization) (732) 417-5828 (Phone)

205 Campus Drive (Street) s.snyder@westonsolutions.com e-Mail

Edison (City) NJ (State/Terr.) (County) 08837- (Zip+4)

Site Contact Info/Mailing Address: Owner: Stillwell Avenue Associates (Contact: Carmela Logozzo); Operator: Stillwell Plumbing Supply, 2702 Stillwell Ave., Brooklyn, NY 11224, (718) 513-6373

CERCLA 105d Petition for Preliminary Assessment? No **If Yes, Petition Date (mm/dd/yyyy):**

RCRA Subtitle C Site Status: Is site in RCRA Info? No **If Yes, RCRA Info Handler ID #:**

Ownership Type: Private **Additional RCRA Info ID #(s):**

Site Type: Manufacturing/Processing/Maintenance **State ID #(s):**

Site Sub-Type: Metal fabrication/finishing/coating & allie **Other ID #(s):**

Federal Facility? No **Federal Facility Owner:** (Make selection)

Formerly Used Defense Site (FUDS)? No

Federal Facility Docket? No **If Yes, FF Docket Listing Date (mm/dd/yyyy):**

Federal Facility Docket Reporting Mechanism: (Make selection)

Native American Interest? No **If Yes, list Tribe:**

Additional Tribe (s): (Make Selection)

Additional Tribe (s): (Make Selection)

Site Description

Use this section to briefly describe site background and conditions if known or (easily) available, such as: operational history; physical setting and land use; site surface description, soils, geology and hydrogeology; source and waste characteristics; hazardous substances/contaminants of concern; historical releases, previous investigations and cleanup activities; previous regulatory actions, including permitting and enforcement actions; institutional controls; and community interest.

There is currently minimal information regarding the operational time frame for the former Coney Island Electroplating Works (CIEW) facility. A Sanborn Fire Insurance Map from 1930 indicates that the property was occupied by a laundry. A picture and a brief statement in a magazine article indicates that CIEW filled unspecified defense orders during World War II, suggesting electroplating operations were active in the early- to mid-1940s. A Sanborn Fire Insurance Map from 1950 shows the electroplating facility occupying the site. CIEW is listed in EPA's RCRAInfo database under Handler ID No. NYD001493857. The facility was designated as a Large Quantity Generator (LQG) in December 1980. The latest RCRAInfo update was April 2015. The types of wastes generated at the facility included spent cyanide plating bath solutions and residues (RCRA Waste Codes: F007, F008, and F009). As of 2006, the facility was listed as a non-generator. The site is currently occupied by a plumbing supply store.

Geospatial Information

Latitude: 40.581038° — **Decimal Degree North (e.g., 38.859156)**

Longitude: -73.982541° — **Decimal Degree West (e.g., 77.036783)**

Provide 4 significant digits at a minimum, more if your collection method generates them.

Except for certain territories in the Pacific Ocean, all sites in U.S. states and territories are located within the northern and western hemispheres and will have a positive latitude sign and negative longitude sign. Coordinate signs displayed above are based on the State/Territory entry on page A-1. Geospatial data tips from the PCS Guidance document are available **here.**

Point Description: Select the option below that best represents the site point for future reference and to distinguish it from any nearby sites. See additional information **here.**

- ☐ Geocoded (address-matched) Site Address
- ☐ Site Entrance (approximate center of curb-cut)
- ☒ Approximate Center of Site
- ☐ Other Distinguishing Site Feature (briefly describe):

Point Collection Method: Check the method used to collect the coordinates above and enter the date of collection. See additional information **here.**

- ☐ Online Map Interpolation
- ☐ GPS (handheld, smartphone, other device or technology with accuracy range < 25 meters)
- ☐ GPS Other (accuracy range is ≥ 25 meters or unspecified)
- ☐ Address Matching: Urban
- ☐ Address Matching: Rural
- ☒ Other Method (briefly describe below):

Google Earth

Collection Date (mm/dd/yyyy): 06/25/2020

POINT-SELECTION CONSIDERATIONS

- Often the best point is a feature associated with the environmental release or that identifies the site visually.
- Use the curb cut of the entrance to the site if there is a clear primary entrance and it is a good identifier for the overall location.
- The approximate center of the site (a guess at the centroid) is useful for large-area sites or where there are no appropriate distinguishing features.
- Use the geocoded address if that is the only or best option available, but if possible use something more representative for sites larger than 50 acres.

Complete this checklist to help determine if a site should be added to the Superfund Active site inventory. See Section 3.6 of the PCS guidance for additional information.	YES	NO	Unknown
1. An initial search for the site in EPA's Superfund active, archive and non-site inventories should be performed prior to starting a PCS. Is this a new site that does not already exist in these site inventories?	☒	☐	☐
2. Is there evidence of an actual release or a potential to release?	☐	☐	☒
3. Are there possible targets that could be impacted by a release of contamination at the site?	☒	☐	☐
4. Is there documentation indicating that a target has been exposed to a hazardous substance released from the site?	☐	☐	☒
5. Is the release of a naturally occurring substance in its unaltered form, or is it altered solely through naturally occurring processes or phenomena, from a location where it is naturally found?	☐	☒	☐
6. Is the release from products which are part of the structure of, and result in exposure within, residential buildings or business or community structures?	☐	☒	☐
7. If there has been a release into a public or private drinking water supply, is it due to deterioration of the system through ordinary use?	☐	☒	☐
8. Are the hazardous substances possibly released at the site, or is the release itself, excluded from being addressed under CERCLA?	☐	☒	☐
9. Is the site being addressed under RCRA corrective action or by the Nuclear Regulatory Commission?	☐	☒	☐
10. Is another federal, state, tribe or local government environmental cleanup program other than site assessment actively involved with the site (e.g., state voluntary cleanup program)?	☐	☒	☐
11. Is there sufficient documentation or evidence that demonstrates there is no likelihood of a significant release that could cause adverse environmental or human health impacts?	☐	☒	☐
12. Are there other site-specific situations or factors that warrant further CERCLA remedial/integrated assessment or response?	☐	☒	☐

Preparer's Recommendation: [redacted]

PCS Summary and Decision Rationale

Use this section to summarize PCS findings and support the decision to add or not add the site to the Superfund active site inventory for further investigation. Information does not need to be specific but, where known, can include key factors such as source and waste characteristics (e.g., drums, contaminated soil); evidence of release or potential release; threatened targets (e.g., drinking water wells); key sampling results (if available); CERCLA eligibility; involvement of other cleanup programs; and other supporting factors. Attach additional pages as necessary.

The former Coney Island Electroplating Works (CIEW) facility was located approximately 260 feet west-southwest of Coney Island Creek. The exact dates of operation are currently unknown; however, evidence suggests the facility operated as long ago as the early- to mid-1940s. CIEW is listed in EPA's Resource Conservation and Recovery Act Information System (RCRAInfo) database under Handler ID No. NYD001493857. The facility was designated as a Large Quantity Generator (LQG) in December 1980. The latest RCRAInfo update for the facility was April 2015. The types of wastes generated at the facility included spent cyanide plating bath solutions and residues (RCRA Waste Codes: F007, F008, and F009). In addition to cyanide, electroplating baths generate a wastestream that contains a variety of inorganic constituents, which are known to be contaminants of concern in the creek sediments.

Scott T. Snyder, CHMM	EPA contractor	06/25/2020
Checklist Preparer Name	**Checklist Preparer Organization**	**Date**

EPA Regional Review and Pre-CERCLA Screening Decision

[redacted]

Optional - Print name of EPA Site Assessor making this decision: _____

EPA Regional Approval: (Enter Date and then click this box to initiate digital signature stamp) _____ **Date** _____

Site Description

(All text as entered on page A-2)

There is currently minimal information regarding the operational time frame for the former Coney Island Electroplating Works (CIEW) facility. A Sanborn Fire Insurance Map from 1930 indicates that the property was occupied by a laundry. A picture and a brief statement in a magazine article indicates that CIEW filled unspecified defense orders during World War II, suggesting electroplating operations were active in the early- to mid-1940s. A Sanborn Fire Insurance Map from 1950 shows the electroplating facility occupying the site. CIEW is listed in EPA's RCRAInfo database under Handler ID No. NYD001493857. The facility was designated as a Large Quantity Generator (LQG) in December 1980. The latest RCRAInfo update was April 2015. The types of wastes generated at the facility included spent cyanide plating bath solutions and residues (RCRA Waste Codes: F007, F008, and F009). As of 2006, the facility was listed as a non-generator. The site is currently occupied by a plumbing supply store.

Electroplating involves depositing a thin layer of metal onto an oppositely charged substrate by passing an electric current through a solution called an electrolyte. When the electric current flows through the circuit, the electrolyte splits up and some of the metal atoms it contains are deposited in a thin layer on top of one of the electrodes. All the constituents of the plating baths contribute to the wastewater stream. In addition to the cyanide mentioned above, electroplating baths may contain a variety of heavy metals, including copper, nickel, gold, zinc, chromium (including hexavalent chromium), selenium, lead, or iron. The Coney Island Electroplating Works facility was located approximately 260 feet west-southwest of Coney Island Creek. Inorganic constituents are known to be contaminants of concern in creek sediments. Combined and separated municipal sewers in the area are known to discharge to Coney Island Creek.

PCS Summary and Decision Rationale

(All text as entered on page A-4)

The former Coney Island Electroplating Works (CIEW) facility was located approximately 260 feet west-southwest of Coney Island Creek. The exact dates of operation are currently unknown; however, evidence suggests the facility operated as long ago as the early- to mid-1940s. CIEW is listed in EPA's Resource Conservation and Recovery Act Information System (RCRAInfo) database under Handler ID No. NYD001493857. The facility was designated as a Large Quantity Generator (LQG) in December 1980. The latest RCRAInfo update for the facility was April 2015. The types of wastes generated at the facility included spent cyanide plating bath solutions and residues (RCRA Waste Codes: F007, F008, and F009). In addition to cyanide, electroplating baths generate a wastestream that contains a variety of inorganic constituents, which are known to be contaminants of concern in the creek sediments.

Coney Island Creek is utilized for a variety of recreational activities, including boating and birding. Four city parks are located adjacent to the western portion of the creek near the mouth at Gravesend Bay, with a combined 1.1 miles of shoreline of varying accessibility. Although not an officially sanctioned use of the creek, primary contact in the form of swimming and baptisms have been reported along the sandy southwestern shoreline of the creek near Gravesend Bay. Although the presence of chemical and biological contamination in the creek is well known, Coney Island Creek is fished for human consumption. Species of fish caught for consumption include mullet, porgy, striped bass, fluke, and bluefish. There is one permanent residence situated directly on the creek shoreline, as well as multiple encampments populated by homeless people. Sensitive environments subject to potential contamination along the 15-mile surface water pathway include habitat known to be used by three Federal-designated and six State-designated threatened or endangered species, approximately 62 miles of wetland frontage, the New York-New Jersey Harbor Estuary, and the Gateway National Recreation Area.

[redacted]

Pre-CERCLA Screening Checklist/Decision Form

This form is used in conjunction with a site map and any additional information required by the EPA Region to document completion of a Pre-CERCLA Screening (PCS). The form includes a decision on whether a site should be added to the Superfund program's active site inventory for further investigation. This checklist replaces Attachment A in the December 2016 PCS Guidance document. A current version of the PCS checklist and additional information is available at: https://www.epa.gov/superfund/pre-cercla-screening.

Region: 2 **State/Territory:** NY **Tribe:** _____ EPA ID No. (If Available): _____

Site Name: Cropsey Scrap Iron & Metal Corp.

Other Site Name(s): _____

Site Location: 2994 Cropsey Ave. (Street)

11 (Congressional District) | Brooklyn (City) | NY (State/Terr.) | _____ (County) | 11224 – _____ (Zip+4) | ☐ (No Zip Available)

If no street address is available: _____ (Township-Range) _____ (Section)

Checklist Preparer:

Scott T. Snyder (Name / Title) 06/25/2020 (Date)

Weston Solutions, Inc. (Organization) (732) 417-5828 (Phone)

205 Campus Drive (Street) s.snyder@westonsolutions.com e-Mail

Edison (City) | NJ (State/Terr.) | _____ (County) | 08837- _____ (Zip+4)

Site Contact Info/Mailing Address: Owner: Rose Petrosino; Operator: Cropsey Scrap Iron and Metal, 2994 Cropsey Ave., Brooklyn, NY 11214, (718) 372-5348

CERCLA 105d Petition for Preliminary Assessment? No **If Yes, Petition Date (mm/dd/yyyy):** _____

RCRA Subtitle C Site Status: Is site in RCRA Info? No **If Yes, RCRA Info Handler ID #:** _____

Ownership Type: Private **Additional RCRA Info ID #(s):** _____

Site Type: Recycling **State ID #(s):** _____

Site Sub-Type: Batteries/scrap metals/secondary smelti **Other ID #(s):** _____

Federal Facility? No **Federal Facility Owner:** (Make selection)

Formerly Used Defense Site (FUDS)? No

Federal Facility Docket? No **If Yes, FF Docket Listing Date (mm/dd/yyyy):** _____

Federal Facility Docket Reporting Mechanism: (Make selection)

Native American Interest? No **If Yes, list Tribe:** _____

Additional Tribe (s): (Make Selection)

Additional Tribe (s): (Make Selection)

Site Description

Use this section to briefly describe site background and conditions if known or (easily) available, such as: operational history; physical setting and land use; site surface description, soils, geology and hydrogeology; source and waste characteristics; hazardous substances/contaminants of concern; historical releases, previous investigations and cleanup activities; previous regulatory actions, including permitting and enforcement actions; institutional controls; and community interest.

Cropsey Scrap Iron & Metal Corp. (a.k.a Cropsey Scrap Metal) is an active ferrous and non-ferrous scrap metal recycler. The facility is located directly on the north bank of Coney Island Creek adjacent to the Cropsey Avenue Bridge. The facility discharges stormwater to Coney Island Creek via an external outfall under a National Pollutant Discharge Elimination System (NPDES) permit (Permit No. NYR00F326), which expires in February 2023. EPA's ECHO on-line database notes permit violations for failing to file Discharge Monitoring Reports (DMR) in 2017 and 2018; DMRs were submitted in January and June 2019. Cropsey Scrap Metal maintains an Air Facility Registration Certificate (Facility ID No. 2-6106-00334) for a diesel generator supplying power to metal recycling equipment.

Based on review of aerial imagery, the facility maintains a large scrap metal pile approximately 25 feet high, as well as numerous containers and miscellaneous scrap directly on the ground surface without secondary containment or

Geospatial Information

Latitude: 40.581860° **Longitude:** -73.986556°

Decimal Degree North (e.g., 38.859156) Decimal Degree West (e.g., 77.036783)

Provide 4 significant digits at a minimum, more if your collection method generates them.

Except for certain territories in the Pacific Ocean, all sites in U.S. states and territories are located within the northern and western hemispheres and will have a positive latitude sign and negative longitude sign. Coordinate signs displayed above are based on the State/Territory entry on page A-1. Geospatial data tips from the PCS Guidance document are available **here.**

Point Description: Select the option below that best represents the site point for future reference and to distinguish it from any nearby sites. See additional information **here.**

- ☐ Geocoded (address-matched) Site Address
- ☐ Site Entrance (approximate center of curb-cut)
- ☒ Approximate Center of Site
- ☐ Other Distinguishing Site Feature (briefly describe):

Point Collection Method: Check the method used to collect the coordinates above and enter the date of collection. See additional information **here.**

- ☐ Online Map Interpolation
- ☐ GPS (handheld, smartphone, other device or technology with accuracy range < 25 meters)
- ☐ GPS Other (accuracy range is ≥ 25 meters or unspecified)
- ☐ Address Matching: Urban
- ☐ Address Matching: Rural
- ☒ Other Method (briefly describe below):

Google Earth

Collection Date (mm/dd/yyyy): 06/25/2020

POINT-SELECTION CONSIDERATIONS

- Often the best point is a feature associated with the environmental release or that identifies the site visually.
- Use the curb cut of the entrance to the site if there is a clear primary entrance and it is a good identifier for the overall location.
- The approximate center of the site (a guess at the centroid) is useful for large-area sites or where there are no appropriate distinguishing features.
- Use the geocoded address if that is the only or best option available, but if possible use something more representative for sites larger than 50 acres.

Complete this checklist to help determine if a site should be added to the Superfund Active site inventory. See Section 3.6 of the PCS guidance for additional information.	YES	NO	Unknown
1. An initial search for the site in EPA's Superfund active, archive and non-site inventories should be performed prior to starting a PCS. Is this a new site that does not already exist in these site inventories?	☒	☐	☐
2. Is there evidence of an actual release or a potential to release?	☐	☐	☒
3. Are there possible targets that could be impacted by a release of contamination at the site?	☒	☐	☐
4. Is there documentation indicating that a target has been exposed to a hazardous substance released from the site?	☐	☐	☒
5. Is the release of a naturally occurring substance in its unaltered form, or is it altered solely through naturally occurring processes or phenomena, from a location where it is naturally found?	☐	☒	☐
6. Is the release from products which are part of the structure of, and result in exposure within, residential buildings or business or community structures?	☐	☒	☐
7. If there has been a release into a public or private drinking water supply, is it due to deterioration of the system through ordinary use?	☐	☒	☐
8. Are the hazardous substances possibly released at the site, or is the release itself, excluded from being addressed under CERCLA?	☐	☐	☒
9. Is the site being addressed under RCRA corrective action or by the Nuclear Regulatory Commission?	☐	☒	☐
10. Is another federal, state, tribe or local government environmental cleanup program other than site assessment actively involved with the site (e.g., state voluntary cleanup program)?	☐	☒	☐
11. Is there sufficient documentation or evidence that demonstrates there is no likelihood of a significant release that could cause adverse environmental or human health impacts?	☐	☒	☐
12. Are there other site-specific situations or factors that warrant further CERCLA remedial/integrated assessment or response?	☐	☒	☐

Preparer's Recommendation: [redacted]

PCS Summary and Decision Rationale

Use this section to summarize PCS findings and support the decision to add or not add the site to the Superfund active site inventory for further investigation. Information does not need to be specific but, where known, can include key factors such as source and waste characteristics (e.g., drums, contaminated soil); evidence of release or potential release; threatened targets (e.g., drinking water wells); key sampling results (if available); CERCLA eligibility; involvement of other cleanup programs; and other supporting factors. Attach additional pages as necessary.

Cropsey Scrap Iron & Metal is a metal recycling facility located directly on the north bank of Coney Island Creek. A review of aerial imagery indicates that the facility maintains a large scrap metal pile approximately 25 feet high, as well as numerous containers and miscellaneous scrap directly on the ground surface without secondary containment or run-on/runoff control measures. The facility discharges stormwater to Coney Island Creek via an external outfall under a NPDES permit.

Coney Island Creek is utilized for a variety of recreational activities, including boating and birding. Four city parks are located adjacent to the western portion of the creek near the mouth at Gravesend Bay, with a combined 1.1 miles of

Scott T. Snyder, CHMM	EPA contractor	06/25/2020
Checklist Preparer Name	**Checklist Preparer Organization**	**Date**

EPA Regional Review and Pre-CERCLA Screening Decision

[redacted]

Optional - Print name of EPA Site Assessor making this decision: _____

EPA Regional Approval: (Enter Date and then click this box to initiate digital signature stamp) _____ **Date** _____

Site Description

(All text as entered on page A-2)

Cropsey Scrap Iron & Metal Corp. (a.k.a Cropsey Scrap Metal) is an active ferrous and non-ferrous scrap metal recycler. The facility is located directly on the north bank of Coney Island Creek adjacent to the Cropsey Avenue Bridge. The facility discharges stormwater to Coney Island Creek via an external outfall under a National Pollutant Discharge Elimination System (NPDES) permit (Permit No. NYR00F326), which expires in February 2023. EPA's ECHO on-line database notes permit violations for failing to file Discharge Monitoring Reports (DMR) in 2017 and 2018; DMRs were submitted in January and June 2019. Cropsey Scrap Metal maintains an Air Facility Registration Certificate (Facility ID No. 2-6106-00334) for a diesel generator supplying power to metal recycling equipment.

Based on review of aerial imagery, the facility maintains a large scrap metal pile approximately 25 feet high, as well as numerous containers and miscellaneous scrap directly on the ground surface without secondary containment or run-on/runoff control measures. Staining of the ground surface is evident on the northern portion of the facility. The facility is surrounded by fencing on all sides, and by vegetated strips of land that separate the facility from Coney Island Creek. Based on the available aerial imagery, the runoff pattern from the facility to Coney Island Creek is not discernible as the ground surface along the creek bank is obscured by the vegetated areas.

PCS Summary and Decision Rationale

(All text as entered on page A-4)

Cropsey Scrap Iron & Metal is a metal recycling facility located directly on the north bank of Coney Island Creek. A review of aerial imagery indicates that the facility maintains a large scrap metal pile approximately 25 feet high, as well as numerous containers and miscellaneous scrap directly on the ground surface without secondary containment or run-on/runoff control measures. The facility discharges stormwater to Coney Island Creek via an external outfall under a NPDES permit.

Coney Island Creek is utilized for a variety of recreational activities, including boating and birding. Four city parks are located adjacent to the western portion of the creek near the mouth at Gravesend Bay, with a combined 1.1 miles of shoreline of varying accessibility. Although not an officially sanctioned use of the creek, primary contact in the form of swimming and baptisms have been reported along the sandy southwestern shoreline of the creek near Gravesend Bay. Although the presence of chemical and biological contamination in the creek is well known, Coney Island Creek is fished for human consumption. Species of fish caught for consumption include mullet, porgy, striped bass, fluke, and bluefish. There is one permanent residence situated directly on the creek shoreline, as well as multiple encampments populated by homeless people. Sensitive environments subject to potential contamination along the 15-mile surface water pathway include habitat known to be used by three Federal-designated and six State-designated threatened or endangered species, approximately 62 miles of wetland frontage, the New York-New Jersey Harbor Estuary, and the Gateway National Recreation Area.



Pre-CERCLA Screening Checklist/Decision Form

This form is used in conjunction with a site map and any additional information required by the EPA Region to document completion of a Pre-CERCLA Screening (PCS). The form includes a decision on whether a site should be added to the Superfund program's active site inventory for further investigation. This checklist replaces Attachment A in the December 2016 PCS Guidance document. A current version of the PCS checklist and additional information is available at: https://www.epa.gov/superfund/pre-cercla-screening.

Region: 2 **State/Territory:** NY **Tribe:** _____ **EPA ID No. (If Available)**

Site Name: Former Dangman Park Manufactured Gas Plant Site

Other Site Name(s): _____

Site Location: 486 Neptune Avenue (Street)

8 (Congressional District) Brooklyn (City) NY (State/Terr.) _____ (County) 11224 (Zip+4) ☐ (No Zip Available)

If no street address is available: _____ (Township-Range) _____ (Section)

Checklist Preparer:

Scott T. Snyder (Name / Title) 07/07/2020 (Date)

Weston Solutions, Inc. (Organization) (732) 417-5828 (Phone)

205 Campus Drive (Street) s.snyder@westonsolutions.com e-Mail

Edison (City) NJ (State/Terr.) _____ (County) 08837- (Zip+4)

Site Contact Info/Mailing Address: Board of Managers of 532 Neptune Avenue Condominium
45 Broadway, New York, NY 10006

CERCLA 105d Petition for Preliminary Assessment? No **If Yes, Petition Date (mm/dd/yyyy):** _____

RCRA Subtitle C Site Status: Is site in RCRA Info? No **If Yes, RCRA Info Handler ID #:** _____

Ownership Type: Private **Additional RCRA Info ID #(s):** _____

Site Type: Manufacturing/Processing/Maintenance **State ID #(s):** _____

Site Sub-Type: Coal gasification **Other ID #(s):** _____

Federal Facility? No **Federal Facility Owner:** (Make selection)

Formerly Used Defense Site (FUDS)? No

Federal Facility Docket? No **If Yes, FF Docket Listing Date (mm/dd/yyyy):** _____

Federal Facility Docket Reporting Mechanism: (Make selection)

Native American Interest? No **If Yes, list Tribe:** _____

Additional Tribe (s): (Make Selection)

Additional Tribe (s): (Make Selection)

Site Description

Use this section to briefly describe site background and conditions if known or (easily) available, such as: operational history; physical setting and land use; site surface description, soils, geology and hydrogeology; source and waste characteristics; hazardous substances/contaminants of concern; historical releases, previous investigations and cleanup activities; previous regulatory actions, including permitting and enforcement actions; institutional controls; and community interest.

The former Dangman Park Manufactured Gas Plant (MGP) site operated as a gas production facility from the 1890s until an undetermined date in the early 1900s. Gas was made by heating coal and petroleum products, which was then purified and stored in large holders until being distributed through a network of pipes to homes and businesses. The site was located on approximately 1 acre of land. A shopping center built in the 1960s occupied the site until it was demolished in 2016. Currently, the site is occupied by a new shopping center and a parking lot for an apartment building. The site is situated within the Coney Island Creek drainage area, approximately 0.2 mile southwest of the creek.

Triggered by the redevelopment of the property, National Grid, under the oversight of the New York State Departmen

Geospatial Information

Latitude: 40.579002° (Decimal Degree North (e.g., 38.859156))

Longitude: -73.972710° (Decimal Degree West (e.g., 77.036783))

Provide 4 significant digits at a minimum, more if your collection method generates them.

Except for certain territories in the Pacific Ocean, all sites in U.S. states and territories are located within the northern and western hemispheres and will have a positive latitude sign and negative longitude sign. Coordinate signs displayed above are based on the State/Territory entry on page A-1. Geospatial data tips from the PCS Guidance document are available **here.**

Point Description: Select the option below that best represents the site point for future reference and to distinguish it from any nearby sites. See additional information **here.**

- ☐ Geocoded (address-matched) Site Address
- ☐ Site Entrance (approximate center of curb-cut)
- ☒ Approximate Center of Site
- ☐ Other Distinguishing Site Feature (briefly describe):

Point Collection Method: Check the method used to collect the coordinates above and enter the date of collection. See additional information **here.**

- ☐ Online Map Interpolation
- ☐ GPS (handheld, smartphone, other device or technology with accuracy range < 25 meters)
- ☐ GPS Other (accuracy range is ≥ 25 meters or unspecified)
- ☐ Address Matching: Urban
- ☐ Address Matching: Rural
- ☒ Other Method (briefly describe below):

Google Earth

Collection Date (mm/dd/yyyy): 07/07/2020

POINT-SELECTION CONSIDERATIONS

- Often the best point is a feature associated with the environmental release or that identifies the site visually.
- Use the curb cut of the entrance to the site if there is a clear primary entrance and it is a good identifier for the overall location.
- The approximate center of the site (a guess at the centroid) is useful for large-area sites or where there are no appropriate distinguishing features.
- Use the geocoded address if that is the only or best option available, but if possible use something more representative for sites larger than 50 acres.

Complete this checklist to help determine if a site should be added to the Superfund Active site inventory. See Section 3.6 of the PCS guidance for additional information.	YES	NO	Unknown
1. An initial search for the site in EPA's Superfund active, archive and non-site inventories should be performed prior to starting a PCS. Is this a new site that does not already exist in these site inventories?	☒	☐	☐
2. Is there evidence of an actual release or a potential to release?	☒	☐	☐
3. Are there possible targets that could be impacted by a release of contamination at the site?	☒	☐	☐
4. Is there documentation indicating that a target has been exposed to a hazardous substance released from the site?	☒	☐	☐
5. Is the release of a naturally occurring substance in its unaltered form, or is it altered solely through naturally occurring processes or phenomena, from a location where it is naturally found?	☐	☒	☐
6. Is the release from products which are part of the structure of, and result in exposure within, residential buildings or business or community structures?	☐	☒	☐
7. If there has been a release into a public or private drinking water supply, is it due to deterioration of the system through ordinary use?	☐	☒	☐
8. Are the hazardous substances possibly released at the site, or is the release itself, excluded from being addressed under CERCLA?	☐	☒	☐
9. Is the site being addressed under RCRA corrective action or by the Nuclear Regulatory Commission?	☐	☒	☐
10. Is another federal, state, tribe or local government environmental cleanup program other than site assessment actively involved with the site (e.g., state voluntary cleanup program)?	☒	☐	☐
11. Is there sufficient documentation or evidence that demonstrates there is no likelihood of a significant release that could cause adverse environmental or human health impacts?	☐	☒	☐
12. Are there other site-specific situations or factors that warrant further CERCLA remedial/integrated assessment or response?	☐	☒	☐

Preparer's Recommendation: [redacted]

PCS Summary and Decision Rationale

Use this section to summarize PCS findings and support the decision to add or not add the site to the Superfund active site inventory for further investigation. Information does not need to be specific but, where known, can include key factors such as source and waste characteristics (e.g., drums, contaminated soil); evidence of release or potential release; threatened targets (e.g., drinking water wells); key sampling results (if available); CERCLA eligibility; involvement of other cleanup programs; and other supporting factors. Attach additional pages as necessary.

Contamination at the Former Dangman Park Manufactured Gas Plant site (State ID No. 2-24-047) is being addressed by the New York State Department of Environmental Conservation (NYSDEC). NYSDEC has an on-going MGP site investigation and remediation program. The MGP sites undergo a process of investigation, evaluation, cleanup, and long-term monitoring. [redacted]

Scott T. Snyder, CHMM	EPA contractor	07/07/2020
Checklist Preparer Name	**Checklist Preparer Organization**	**Date**

EPA Regional Review and Pre-CERCLA Screening Decision

[redacted]

Optional - Print name of EPA Site Assessor making this decision: _____

EPA Regional Approval: (Enter Date and then click this box to initiate digital signature stamp) _____ **Date** _____

Site Description

(All text as entered on page A-2)

The former Dangman Park Manufactured Gas Plant (MGP) site operated as a gas production facility from the 1890s until an undetermined date in the early 1900s. Gas was made by heating coal and petroleum products, which was then purified and stored in large holders until being distributed through a network of pipes to homes and businesses. The site was located on approximately 1 acre of land. A shopping center built in the 1960s occupied the site until it was demolished in 2016. Currently, the site is occupied by a new shopping center and a parking lot for an apartment building. The site is situated within the Coney Island Creek drainage area, approximately 0.2 mile southwest of the creek.

Triggered by the redevelopment of the property, National Grid, under the oversight of the New York State Department of Environmental Conservation (NYSDEC) and the New York State Department of Health (NYSDOH), completed a Remedial Investigation (RI) and Interim Remedial Measures (IRM) at the former Dangman Park MGP site while the site was vacant. No MGP-related contamination was found at the ground surface; however, byproducts from the gas manufacturing process, such as coal tar, were observed in the subsurface and had impacted the surrounding soils. Extensive sampling of soil, soil vapor, and groundwater was conducted during the RI. The sampling had determined the extent of subsurface contamination in the area surrounding the shopping center, and NYSDEC concluded that the outer boundary of contamination had been adequately defined.

Soil samples were collected from various depths beneath the site. The principal contaminant was coal tar, the presence of which was observed to vary from slight odors and staining around the outside edge of the site to instances of full saturation in the vicinity of the source area. The coal tar contained volatile organic compounds (VOC) and semivolatile organic compounds (SVOC); concentrations in the subsurface correlate closely with the degree of visible contamination present in the soils. The lateral and vertical extent of the soil impacts had been determined by the RI.

In addition to coal tar contamination, some petroleum contamination was detected in subsurface soils. The origin of this contamination was not fully defined; it may have originated at the MGP, or it may have come from subsequent land uses in the roughly 100-year period since the MGP closed. Some combination of these two sources is also possible. The observed petroleum contamination was considered typical for urban environments.

Groundwater samples were collected from monitoring wells installed at the site. The primary VOCs and SVOCs that were detected in groundwater included BTEX compounds (i.e., benzene, toluene, ethylbenzene, and xylene) and polycyclic aromatic hydrocarbons (PAH), respectively. Contaminant concentrations in groundwater diminished rapidly with increasing distance from the source areas. Residents of New York City are served by upstate surface water sources; therefore, people are not drinking the contaminated groundwater because the area is served by a public water supply that is not affected by the contamination.

Soil vapor samples were collected from beneath the shopping center parking lot, beneath the adjacent apartment building grass area, and beneath the floor slab of the shopping center building; and indoor air samples were collected from inside the shopping center building. MGP-related contaminants were detected in vapor samples beneath the floor slab of the shopping center; however, it did not appear that these contaminants were migrating into the overlying buildings at levels that required action to address exposure. MGP-related contaminants detected in indoor air were consistently below typical background indoor air concentrations. In addition, some of these same chemicals are used in cleaners and household products present in the shopping center. Chlorinated hydrocarbon vapors were detected both in sub-slab soil vapor and in indoor air at levels that require actions to address the potential for exposure associated with soil vapor intrusion. Levels detected in the indoor air were above typical indoor air concentrations but below New York State Department of Health (NYSDOH) guidelines. Chlorinated hydrocarbons were not related to the MGP manufacturing process, and were attributed to post-MGP land uses, such as dry cleaning.

Based on the results of the RI and IRMs that were implemented in 2017, NYSDEC proposed a site cover, institutional controls, and site management as the site remedy. The first IRM consisted of targeted soil removal across the site to address shallower contamination. Excavation was completed in several areas to depths of approximately 15 feet below ground surface. Approximately 1,300 cubic yards of impacted soil were removed from these areas and sent off-site for permitted disposal. The second IRM consisted of injecting gypsum into the subsurface to treat coal tar and petroleum contamination by means of anaerobic oxidation. In addition to these IRMs that addressed the contamination found at the site, NYSDEC proposed a site cover, an environmental easement, and a site management plan to be put in place to allow the site to be used for restricted residential, commercial or industrial use.

PCS Summary and Decision Rationale

(All text as entered on page A-4)

Contamination at the Former Dangman Park Manufactured Gas Plant site (State ID No. 2-24-047) is being addressed by the New York State Department of Environmental Conservation (NYSDEC). NYSDEC has an on-going MGP site investigation and remediation program. The MGP sites undergo a process of investigation, evaluation, cleanup, and long-term monitoring.

[redacted]

Pre-CERCLA Screening Checklist/Decision Form

This form is used in conjunction with a site map and any additional information required by the EPA Region to document completion of a Pre-CERCLA Screening (PCS). The form includes a decision on whether a site should be added to the Superfund program's active site inventory for further investigation. This checklist replaces Attachment A in the December 2016 PCS Guidance document. A current version of the PCS checklist and additional information is available at: https://www.epa.gov/superfund/pre-cercla-screening.

Region: 2 **State/Territory:** NY **Tribe:** _____ EPA ID No. (If Available): _____

Site Name: DDC Brooklyn East 13

Other Site Name(s): _____

Site Location: 2012 Neptune Avenue (Street)

8 (Congressional District) | Brooklyn (City) | NY (State/Terr.) | _____ (County) | 11224 – _____ (Zip+4) | ☐ (No Zip Available)

If no street address is available: _____ (Township-Range) _____ (Section)

Checklist Preparer:

Scott T. Snyder (Name / Title) | 07/07/2020 (Date)

Weston Solutions, Inc. (Organization) | (732) 417-5828 (Phone)

205 Campus Drive (Street) | s.snyder@westonsolutions.com e-Mail

Edison (City) | NJ (State/Terr.) | _____ (County) | 08837- _____ (Zip+4)

Site Contact Info/Mailing Address: City of New York
Finance Administrator, One Centre Street, 22nd Floor, New York, NY 10007

CERCLA 105d Petition for Preliminary Assessment? No **If Yes, Petition Date (mm/dd/yyyy):** _____

RCRA Subtitle C Site Status: Is site in RCRA Info? No **If Yes, RCRA Info Handler ID #:** _____

Ownership Type: Municipality **Additional RCRA Info ID #(s):** _____

Site Type: Other **State ID #(s):** _____

Site Sub-Type: Other (Enter Sub-type): Public works ga **Other ID #(s):** _____

Federal Facility? No **Federal Facility Owner:** (Make selection)

Formerly Used Defense Site (FUDS)? No

Federal Facility Docket? No **If Yes, FF Docket Listing Date (mm/dd/yyyy):** _____

Federal Facility Docket Reporting Mechanism: (Make selection)

Native American Interest? No **If Yes, list Tribe:** _____

Additional Tribe (s): (Make Selection)

Additional Tribe (s): (Make Selection)

Site Description

Use this section to briefly describe site background and conditions if known or (easily) available, such as: operational history; physical setting and land use; site surface description, soils, geology and hydrogeology; source and waste characteristics; hazardous substances/contaminants of concern; historical releases, previous investigations and cleanup activities; previous regulatory actions, including permitting and enforcement actions; institutional controls; and community interest.

The DDC Brooklyn East 13 site is a City of New York Department of Design and Construction (DDC) garage. Oil-stained soil was observed during excavation to repair a broken catch basin. Subsequent investigation revealed unspecified volatile organic compound (VOC)- and semivolatile organic compound (SVOC)-contaminated soil and unspecified VOC-contaminated groundwater. A total of 5.8 tons of soil was removed from the excavation and transported for off-site disposal. SVOCs are attributed to urban fill underlying the facility. The source of the VOCs has not been identified. Groundwater monitoring and product removal via enhanced fluid recovery (EFR) is being conducted under New York State Department of Environmental Conservation (NYSDEC) oversight.

Geospatial Information

Latitude: 40.578135° **Longitude:** -73.987894°

Decimal Degree North (e.g., 38.859156) Decimal Degree West (e.g., 77.036783)

Provide 4 significant digits at a minimum, more if your collection method generates them.

Except for certain territories in the Pacific Ocean, all sites in U.S. states and territories are located within the northern and western hemispheres and will have a positive latitude sign and negative longitude sign. Coordinate signs displayed above are based on the State/Territory entry on page A-1. Geospatial data tips from the PCS Guidance document are available **here.**

Point Description: Select the option below that best represents the site point for future reference and to distinguish it from any nearby sites. See additional information **here.**

- ☐ Geocoded (address-matched) Site Address
- ☐ Site Entrance (approximate center of curb-cut)
- ☒ Approximate Center of Site
- ☐ Other Distinguishing Site Feature (briefly describe):

Point Collection Method: Check the method used to collect the coordinates above and enter the date of collection. See additional information **here.**

- ☐ Online Map Interpolation
- ☐ GPS (handheld, smartphone, other device or technology with accuracy range < 25 meters)
- ☐ GPS Other (accuracy range is ≥ 25 meters or unspecified)
- ☐ Address Matching: Urban
- ☐ Address Matching: Rural
- ☒ Other Method (briefly describe below):

Google Earth

Collection Date (mm/dd/yyyy): 07/07/2020

POINT-SELECTION CONSIDERATIONS

- Often the best point is a feature associated with the environmental release or that identifies the site visually.
- Use the curb cut of the entrance to the site if there is a clear primary entrance and it is a good identifier for the overall location.
- The approximate center of the site (a guess at the centroid) is useful for large-area sites or where there are no appropriate distinguishing features.
- Use the geocoded address if that is the only or best option available, but if possible use something more representative for sites larger than 50 acres.

Complete this checklist to help determine if a site should be added to the Superfund Active site inventory. See Section 3.6 of the PCS guidance for additional information.	YES	NO	Unknown
1. An initial search for the site in EPA's Superfund active, archive and non-site inventories should be performed prior to starting a PCS. Is this a new site that does not already exist in these site inventories?	☒	☐	☐
2. Is there evidence of an actual release or a potential to release?	☒	☐	☐
3. Are there possible targets that could be impacted by a release of contamination at the site?	☒	☐	☐
4. Is there documentation indicating that a target has been exposed to a hazardous substance released from the site?	☐	☐	☒
5. Is the release of a naturally occurring substance in its unaltered form, or is it altered solely through naturally occurring processes or phenomena, from a location where it is naturally found?	☐	☒	☐
6. Is the release from products which are part of the structure of, and result in exposure within, residential buildings or business or community structures?	☐	☒	☐
7. If there has been a release into a public or private drinking water supply, is it due to deterioration of the system through ordinary use?	☐	☒	☐
8. Are the hazardous substances possibly released at the site, or is the release itself, excluded from being addressed under CERCLA?	☐	☒	☐
9. Is the site being addressed under RCRA corrective action or by the Nuclear Regulatory Commission?	☐	☒	☐
10. Is another federal, state, tribe or local government environmental cleanup program other than site assessment actively involved with the site (e.g., state voluntary cleanup program)?	☒	☐	☐
11. Is there sufficient documentation or evidence that demonstrates there is no likelihood of a significant release that could cause adverse environmental or human health impacts?	☐	☒	☐
12. Are there other site-specific situations or factors that warrant further CERCLA remedial/integrated assessment or response?	☐	☒	☐

Preparer's Recommendation: [redacted]

PCS Summary and Decision Rationale

Use this section to summarize PCS findings and support the decision to add or not add the site to the Superfund active site inventory for further investigation. Information does not need to be specific but, where known, can include key factors such as source and waste characteristics (e.g., drums, contaminated soil); evidence of release or potential release; threatened targets (e.g., drinking water wells); key sampling results (if available); CERCLA eligibility; involvement of other cleanup programs; and other supporting factors. Attach additional pages as necessary.

Soil and groundwater sampling at the DDC Brooklyn East 13 site revealed that site soil is contaminated with VOCs and SVOCs. The SVOCs are attributed to urban fill underlying the facility. The source of the VOCs has not been identified. Groundwater monitoring and product removal is being conducted under NYSDEC oversight.

[redacted]

Scott T. Snyder, CHMM	EPA contractor	07/07/2020
Checklist Preparer Name	**Checklist Preparer Organization**	**Date**

EPA Regional Review and Pre-CERCLA Screening Decision

[redacted]

Optional - Print name of EPA Site Assessor making this decision: _____

EPA Regional Approval: (Enter Date and then click this box to initiate digital signature stamp) _____ **Date** _____

Site Description

(All text as entered on page A-2)

The DDC Brooklyn East 13 site is a City of New York Department of Design and Construction (DDC) garage. Oil-stained soil was observed during excavation to repair a broken catch basin. Subsequent investigation revealed unspecified volatile organic compound (VOC)- and semivolatile organic compound (SVOC)-contaminated soil and unspecified VOC-contaminated groundwater. A total of 5.8 tons of soil was removed from the excavation and transported for off-site disposal. SVOCs are attributed to urban fill underlying the facility. The source of the VOCs has not been identified. Groundwater monitoring and product removal via enhanced fluid recovery (EFR) is being conducted under New York State Department of Environmental Conservation (NYSDEC) oversight.

PCS Summary and Decision Rationale

(All text as entered on page A-4)

Soil and groundwater sampling at the DDC Brooklyn East 13 site revealed that site soil is contaminated with VOCs and SVOCs. The SVOCs are attributed to urban fill underlying the facility. The source of the VOCs has not been identified. Groundwater monitoring and product removal is being conducted under NYSDEC oversight.

[redacted]

Pre-CERCLA Screening Checklist/Decision Form

This form is used in conjunction with a site map and any additional information required by the EPA Region to document completion of a Pre-CERCLA Screening (PCS). The form includes a decision on whether a site should be added to the Superfund program's active site inventory for further investigation. This checklist replaces Attachment A in the December 2016 PCS Guidance document. A current version of the PCS checklist and additional information is available at: https://www.epa.gov/superfund/pre-cercla-screening.

Region: 2 **State/Territory:** NY **Tribe:** NYR000022087 (EPA ID No. (If Available))

Site Name: Decor by Dene

Other Site Name(s):

Site Location: 2569 Shell Road (Street)

11 (Congressional District) | Brooklyn (City) | NY (State/Terr.) | (County) | 11224 - 2722 (Zip+4) | ☐ (No Zip Available)

If no street address is available: (Township-Range) (Section)

Checklist Preparer:

Scott T. Snyder (Name / Title) 06/25/2020 (Date)

Weston Solutions, Inc. (Organization) (732) 417-5828 (Phone)

205 Campus Drive (Street) s.snyder@westonsolutions.com e-Mail

Edison (City) | NJ (State/Terr.) | (County) | 08837- (Zip+4)

Site Contact Info/Mailing Address: Owner: Vincent J. Dene Realty Corp. (Contact: Michael J. Dene); Operator: ATS Lighting, Inc., 2569 Shell Road, Brooklyn, NY 11223, (718) 376-0020

CERCLA 105d Petition for Preliminary Assessment? No **If Yes, Petition Date (mm/dd/yyyy):**

RCRA Subtitle C Site Status: Is site in RCRA Info? No **If Yes, RCRA Info Handler ID #:**

Ownership Type: Private **Additional RCRA Info ID #(s):**

Site Type: Manufacturing/Processing/Maintenance **State ID #(s):**

Site Sub-Type: Metal fabrication/finishing/coating & allie **Other ID #(s):**

Federal Facility? No **Federal Facility Owner:** (Make selection)

Formerly Used Defense Site (FUDS)? No

Federal Facility Docket? No **If Yes, FF Docket Listing Date (mm/dd/yyyy):**

Federal Facility Docket Reporting Mechanism: (Make selection)

Native American Interest? No **If Yes, list Tribe:**

Additional Tribe (s): (Make Selection)

Additional Tribe (s): (Make Selection)

Site Description

Use this section to briefly describe site background and conditions if known or (easily) available, such as: operational history; physical setting and land use; site surface description, soils, geology and hydrogeology; source and waste characteristics; hazardous substances/contaminants of concern; historical releases, previous investigations and cleanup activities; previous regulatory actions, including permitting and enforcement actions; institutional controls; and community interest.

Decor by Dene (Dene) is a former residential electric lighting fixture manufacturer. Based on a review of environmental databases and secondhand internet sources, Dene operated at the site from 1960 to 2010. The site is currently occupied ATS Lighting, a lighting fixture retailer. A review of available on-line databases indicates that no manufacturing is currently being conducted at the site and it is currently used for retail only.

Dene's manufacturing process involved electroplating of metal surfaces. Dene was a generator of hazardous waste (Handler ID No. NYR000022087). Resource Conservation and Recovery Act (RCRA) designations varied over time, from Conditionally Exempt Small Quantity Generator (CESQG) originally to LQG in 1997, 1998, and 2003. A Biennial Report for 1997 indicated that Dene generated 6.15 tons of RCRA hazardous waste. Waste types generated at the facility included corrosive wastes (D002), reactive waste (D003), spent nonhalogented solvents (F003), wastewater

Geospatial Information

Latitude: 40.589256° **Longitude:** -73.973631°

Decimal Degree North (e.g., 38.859156) Decimal Degree West (e.g., 77.036783)

Provide 4 significant digits at a minimum, more if your collection method generates them.

Except for certain territories in the Pacific Ocean, all sites in U.S. states and territories are located within the northern and western hemispheres and will have a positive latitude sign and negative longitude sign. Coordinate signs displayed above are based on the State/Territory entry on page A-1. Geospatial data tips from the PCS Guidance document are available **here.**

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- ☐ Site Entrance (approximate center of curb-cut)
- ☒ Approximate Center of Site
- ☐ Other Distinguishing Site Feature (briefly describe):

Point Collection Method: Check the method used to collect the coordinates above and enter the date of collection. See additional information **here.**

- ☐ Online Map Interpolation
- ☐ GPS (handheld, smartphone, other device or technology with accuracy range < 25 meters)
- ☐ GPS Other (accuracy range is ≥ 25 meters or unspecified)
- ☐ Address Matching: Urban
- ☐ Address Matching: Rural
- ☒ Other Method (briefly describe below):

Google Earth

Collection Date (mm/dd/yyyy): 06/25/2020

POINT-SELECTION CONSIDERATIONS

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Complete this checklist to help determine if a site should be added to the Superfund Active site inventory. See Section 3.6 of the PCS guidance for additional information.	YES	NO	Unknown
1. An initial search for the site in EPA's Superfund active, archive and non-site inventories should be performed prior to starting a PCS. Is this a new site that does not already exist in these site inventories?	☒	☐	☐
2. Is there evidence of an actual release or a potential to release?	☐	☐	☒
3. Are there possible targets that could be impacted by a release of contamination at the site?	☒	☐	☐
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5. Is the release of a naturally occurring substance in its unaltered form, or is it altered solely through naturally occurring processes or phenomena, from a location where it is naturally found?	☐	☒	☐
6. Is the release from products which are part of the structure of, and result in exposure within, residential buildings or business or community structures?	☐	☒	☐
7. If there has been a release into a public or private drinking water supply, is it due to deterioration of the system through ordinary use?	☐	☒	☐
8. Are the hazardous substances possibly released at the site, or is the release itself, excluded from being addressed under CERCLA?	☐	☒	☐
9. Is the site being addressed under RCRA corrective action or by the Nuclear Regulatory Commission?	☐	☒	☐
10. Is another federal, state, tribe or local government environmental cleanup program other than site assessment actively involved with the site (e.g., state voluntary cleanup program)?	☐	☒	☐
11. Is there sufficient documentation or evidence that demonstrates there is no likelihood of a significant release that could cause adverse environmental or human health impacts?	☐	☒	☐
12. Are there other site-specific situations or factors that warrant further CERCLA remedial/integrated assessment or response?	☐	☒	☐

Preparer's Recommendation: [redacted]

PCS Summary and Decision Rationale

Use this section to summarize PCS findings and support the decision to add or not add the site to the Superfund active site inventory for further investigation. Information does not need to be specific but, where known, can include key factors such as source and waste characteristics (e.g., drums, contaminated soil); evidence of release or potential release; threatened targets (e.g., drinking water wells); key sampling results (if available); CERCLA eligibility; involvement of other cleanup programs; and other supporting factors. Attach additional pages as necessary.

The former Decor by Dene (Dene) facility was located approximately 2,476 feet (0.47 mile) north-northeast of Coney Island Creek, within the creek's watershed. Available secondhand information suggests the facility operated as long ago as 1960. Dene is listed in EPA's Resource Conservation and Recovery Act Information System (RCRAInfo) database under Handler ID No. NYR000022087. A Bienneial Report for 1997 indicated the facility generated 6.15 tons of hazardous waste. The types of wastes generated at the facility included spent cyanide plating bath solutions and residues (RCRA Waste Codes: F007 and F008), as well as corrosive waste (D002), and spent nonhalogenated solvents (F003). In addition to cyanide, electroplating baths generate a wastestream that contains a variety of inorganic constituents, which are known to be contaminants of concern in the creek sediments.

Scott T. Snyder, CHMM	EPA contractor	06/25/2020
Checklist Preparer Name	**Checklist Preparer Organization**	**Date**

EPA Regional Review and Pre-CERCLA Screening Decision

[redacted]

Optional - Print name of EPA Site Assessor making this decision: _____

EPA Regional Approval: (Enter Date and then click this box to initiate digital signature stamp) _____ **Date** _____

Site Description

(All text as entered on page A-2)

Decor by Dene (Dene) is a former residential electric lighting fixture manufacturer. Based on a review of environmental databases and secondhand internet sources, Dene operated at the site from 1960 to 2010. The site is currently occupied ATS Lighting, a lighting fixture retailer. A review of available on-line databases indicates that no manufacturing is currently being conducted at the site and it is currently used for retail only.

Dene's manufacturing process involved electroplating of metal surfaces. Dene was a generator of hazardous waste (Handler ID No. NYR000022087). Resource Conservation and Recovery Act (RCRA) designations varied over time, from Conditionally Exempt Small Quantity Generator (CESQG) originally to LQG in 1997, 1998, and 2003. A Biennial Report for 1997 indicated that Dene generated 6.15 tons of RCRA hazardous waste. Waste types generated at the facility included corrosive wastes (D002), reactive waste (D003), spent nonhalogented solvents (F003), wastewater treatment sludge from electroplating operations (F006), and spent cyanide plating bath solutions and residues (F007 and F008).

Electroplating involves depositing a thin layer of metal onto an oppositely charged substrate by passing an electric current through a solution called an electrolyte. When the electric current flows through the circuit, the electrolyte splits up and some of the metal atoms it contains are deposited in a thin layer on top of one of the electrodes. All the constituents of the plating baths contribute to the wastewater stream. In addition to the cyanide mentioned above, electroplating baths may contain a variety of heavy metals, including copper, nickel, gold, zinc, chromium (including hexavalent chromium), selenium, lead, or iron. The former Dene facility was located approximately 2,476 feet (0.47 mile) north-northeast of Coney Island Creek, and within the creek's watershed. Inorganic constituents are known to be contaminants of concern in creek sediments. Combined and separated municipal sewers in the area are known to discharge to Coney Island Creek.

PCS Summary and Decision Rationale

(All text as entered on page A-4)

The former Decor by Dene (Dene) facility was located approximately 2,476 feet (0.47 mile) north-northeast of Coney Island Creek, within the creek's watershed. Available secondhand information suggests the facility operated as long ago as 1960. Dene is listed in EPA's Resource Conservation and Recovery Act Information System (RCRAInfo) database under Handler ID No. NYR000022087. A Bienneial Report for 1997 indicated the facility generated 6.15 tons of hazardous waste. The types of wastes generated at the facility included spent cyanide plating bath solutions and residues (RCRA Waste Codes: F007 and F008), as well as corrosive waste (D002), and spent nonhalogenated solvents (F003). In addition to cyanide, electroplating baths generate a wastestream that contains a variety of inorganic constituents, which are known to be contaminants of concern in the creek sediments.

Coney Island Creek is utilized for a variety of recreational activities, including boating and birding. Four city parks are located adjacent to the western portion of the creek near the mouth at Gravesend Bay, with a combined 1.1 miles of shoreline of varying accessibility. Although not an officially sanctioned use of the creek, primary contact in the form of swimming and baptisms have been reported along the sandy southwestern shoreline of the creek near Gravesend Bay. Although the presence of chemical and biological contamination in the creek is well known, Coney Island Creek is fished for human consumption. Species of fish caught for consumption include mullet, porgy, striped bass, fluke, and bluefish. There is one permanent residence situated directly on the creek shoreline, as well as multiple encampments populated by homeless people. Coney Island Creek is situated within the New York-New Jersey Harbor Estuary. Sensitive environments subject to potential contamination along the 15-mile surface water pathway include habitat known to be used by three Federal-designated and six State-designated threatened or endangered species, approximately 62 miles of wetland frontage, the New York-New Jersey Harbor Estuary, and the Gateway National Recreation Area.

[redacted]

Pre-CERCLA Screening Checklist/Decision Form

This form is used in conjunction with a site map and any additional information required by the EPA Region to document completion of a Pre-CERCLA Screening (PCS). The form includes a decision on whether a site should be added to the Superfund program's active site inventory for further investigation. This checklist replaces Attachment A in the December 2016 PCS Guidance document. A current version of the PCS checklist and additional information is available at: https://www.epa.gov/superfund/pre-cercla-screening.

Region: 2 **State/Territory:** NY **Tribe:** _____ EPA ID No. (If Available): _____

Site Name: Former Franklen Auto Garage

Other Site Name(s): _____

Site Location: 2586 Coney Island Avenue (Street)

11 (Congressional District) Brooklyn (City) NY (State/Terr.) _____ (County) 11223 (Zip+4) ☐ (No Zip Available)

If no street address is available: _____ (Township-Range) _____ (Section)

Checklist Preparer:

Scott T. Snyder (Name / Title) 07/08/2020 (Date)

Weston Solutions, Inc. (Organization) (732) 417-5828 (Phone)

205 Campus Drive (Street) s.snyder@westonsolutions.com e-Mail

Edison (City) NJ (State/Terr.) _____ (County) 08837- (Zip+4)

Site Contact Info/Mailing Address: 2586-2608 Coney Island Avenue LLC
c/o Falk & Associates, 843 Rahway Avenue, Woodbridge, NJ 07095

CERCLA 105d Petition for Preliminary Assessment? No **If Yes, Petition Date (mm/dd/yyyy):** _____

RCRA Subtitle C Site Status: Is site in RCRA Info? No **If Yes, RCRA Info Handler ID #:** _____

Ownership Type: Private **Additional RCRA Info ID #(s):** _____

Site Type: Other **State ID #(s):** _____

Site Sub-Type: Other (Enter Sub-type): Vehicle repair **Other ID #(s):** _____

Federal Facility? No **Federal Facility Owner:** (Make selection)

Formerly Used Defense Site (FUDS)? No

Federal Facility Docket? No **If Yes, FF Docket Listing Date (mm/dd/yyyy):** _____

Federal Facility Docket Reporting Mechanism: (Make selection)

Native American Interest? No **If Yes, list Tribe:** _____

Additional Tribe (s): (Make Selection)

Additional Tribe (s): (Make Selection)

Site Description

Use this section to briefly describe site background and conditions if known or (easily) available, such as: operational history; physical setting and land use; site surface description, soils, geology and hydrogeology; source and waste characteristics; hazardous substances/contaminants of concern; historical releases, previous investigations and cleanup activities; previous regulatory actions, including permitting and enforcement actions; institutional controls; and community interest.

The Former Franklen Auto Garage (Franklen) site presently consists of a 12,000-square-foot building which houses a drug store on the southern portion of the property, and an adjacent 2,000-square-foot parking lot to the north. The site was formerly occupied by three businesses: a hardware store in the southern portion of the Site; a lumber company in the center of the site; and Franklen, with an adjacent storage area, in the northern part of the site.

A Spill Case was opened by the New York State Department of Environmental Conservation (NYSDEC) upon the reporting of a sheen on groundwater during a due diligence investigation. Subsequent subsurface investigations found petroleum impacts from Franklen's former hydraulic lifts and service operations. Multiple petroleum underground storage tanks (UST) were present on the site that were associated with the various commercial occupants, including a 200-gallon waste oil UST in the northwestern corner of the site. Petroleum-related

Geospatial Information

Latitude: 40.593296° **Longitude:** -73.961165°

Decimal Degree North (e.g., 38.859156) Decimal Degree West (e.g., 77.036783)

Provide 4 significant digits at a minimum, more if your collection method generates them.

Except for certain territories in the Pacific Ocean, all sites in U.S. states and territories are located within the northern and western hemispheres and will have a positive latitude sign and negative longitude sign. Coordinate signs displayed above are based on the State/Territory entry on page A-1. Geospatial data tips from the PCS Guidance document are available **here.**

Point Description: Select the option below that best represents the site point for future reference and to distinguish it from any nearby sites. See additional information **here.**

- ☐ Geocoded (address-matched) Site Address
- ☐ Site Entrance (approximate center of curb-cut)
- ☒ Approximate Center of Site
- ☐ Other Distinguishing Site Feature (briefly describe):

Point Collection Method: Check the method used to collect the coordinates above and enter the date of collection. See additional information **here.**

- ☐ Online Map Interpolation
- ☐ GPS (handheld, smartphone, other device or technology with accuracy range < 25 meters)
- ☐ GPS Other (accuracy range is ≥ 25 meters or unspecified)
- ☐ Address Matching: Urban
- ☐ Address Matching: Rural
- ☒ Other Method (briefly describe below):

Google Earth

Collection Date (mm/dd/yyyy): 07/08/2020

POINT-SELECTION CONSIDERATIONS

- Often the best point is a feature associated with the environmental release or that identifies the site visually.
- Use the curb cut of the entrance to the site if there is a clear primary entrance and it is a good identifier for the overall location.
- The approximate center of the site (a guess at the centroid) is useful for large-area sites or where there are no appropriate distinguishing features.
- Use the geocoded address if that is the only or best option available, but if possible use something more representative for sites larger than 50 acres.

Complete this checklist to help determine if a site should be added to the Superfund Active site inventory. See Section 3.6 of the PCS guidance for additional information.	YES	NO	Unknown
1. An initial search for the site in EPA's Superfund active, archive and non-site inventories should be performed prior to starting a PCS. Is this a new site that does not already exist in these site inventories?	☒	☐	☐
2. Is there evidence of an actual release or a potential to release?	☒	☐	☐
3. Are there possible targets that could be impacted by a release of contamination at the site?	☒	☐	☐
4. Is there documentation indicating that a target has been exposed to a hazardous substance released from the site?	☐	☐	☒
5. Is the release of a naturally occurring substance in its unaltered form, or is it altered solely through naturally occurring processes or phenomena, from a location where it is naturally found?	☐	☒	☐
6. Is the release from products which are part of the structure of, and result in exposure within, residential buildings or business or community structures?	☐	☒	☐
7. If there has been a release into a public or private drinking water supply, is it due to deterioration of the system through ordinary use?	☐	☒	☐
8. Are the hazardous substances possibly released at the site, or is the release itself, excluded from being addressed under CERCLA?	☐	☒	☐
9. Is the site being addressed under RCRA corrective action or by the Nuclear Regulatory Commission?	☐	☒	☐
10. Is another federal, state, tribe or local government environmental cleanup program other than site assessment actively involved with the site (e.g., state voluntary cleanup program)?	☒	☐	☐
11. Is there sufficient documentation or evidence that demonstrates there is no likelihood of a significant release that could cause adverse environmental or human health impacts?	☐	☒	☐
12. Are there other site-specific situations or factors that warrant further CERCLA remedial/integrated assessment or response?	☐	☒	☐

Preparer's Recommendation: [redacted]

PCS Summary and Decision Rationale

Use this section to summarize PCS findings and support the decision to add or not add the site to the Superfund active site inventory for further investigation. Information does not need to be specific but, where known, can include key factors such as source and waste characteristics (e.g., drums, contaminated soil); evidence of release or potential release; threatened targets (e.g., drinking water wells); key sampling results (if available); CERCLA eligibility; involvement of other cleanup programs; and other supporting factors. Attach additional pages as necessary.

The Franklen site was discovered by NYSDEC upon the reporting of a sheen on groundwater during a due diligence investigation. Subsequent subsurface investigations found petroleum and chlorinated solvent (i.e., PCE and TCE) impacts from Franklen's historical operations. As a result of the presence of PCE, the case was transferred to the State Superfund Program (Site Code: 224164).

Based on monitoring data from nearby sites, NYSDEC determined that neither the petroleum nor the chlorinated solvent contamination came from from an off-site source. Soil borings advanced throughout the site showed the presence of a contaminated soil source. NYSDEC directed the site owner to take additional measures to fully

Scott T. Snyder, CHMM	EPA contractor	07/08/2020
Checklist Preparer Name	**Checklist Preparer Organization**	**Date**

EPA Regional Review and Pre-CERCLA Screening Decision

[redacted]

Optional - Print name of EPA Site Assessor making this decision: _____

EPA Regional Approval: (Enter Date and then click this box to initiate digital signature stamp) _____ **Date** _____

Site Description

(All text as entered on page A-2)

The Former Franklen Auto Garage (Franklen) site presently consists of a 12,000-square-foot building which houses a drug store on the southern portion of the property, and an adjacent 2,000-square-foot parking lot to the north. The site was formerly occupied by three businesses: a hardware store in the southern portion of the Site; a lumber company in the center of the site; and Franklen, with an adjacent storage area, in the northern part of the site.

A Spill Case was opened by the New York State Department of Environmental Conservation (NYSDEC) upon the reporting of a sheen on groundwater during a due diligence investigation. Subsequent subsurface investigations found petroleum impacts from Franklen's former hydraulic lifts and service operations. Multiple petroleum underground storage tanks (UST) were present on the site that were associated with the various commercial occupants, including a 200-gallon waste oil UST in the northwestern corner of the site. Petroleum-related contaminants detected on site included methyl tert. butyl ether (MTBE) and BTEX (i.e., benzene, ethylbenzene, toluene, and xylene) compounds. The chlorinated solvents tetrachloroethylene (PCE) and trichloroethylene (TCE) were also detected in site groundwater. PCE was detected in the northern portion of the site at a concentration of 5,700 parts per billion (ppb). As a result of the presence of PCE the case was transferred to the NYSDEC State Superfund Program (Site Code: 224164).

Based on monitoring data from nearby sites, NYSDEC determined that neither the petroleum nor the chlorinated solvent contamination came from an off-site source. Both were attributed to Franklen's historical operations. Although soil borings advanced throughout the site showed the presence of a contaminated soil source, the source area(s) were not delineated. NYSDEC directed the site owner to take additional measures to fully delineate the source areas. Citing depleted funds, the site owner objected to performing the additional work. In October 2019, the site owner and NYSDEC entered into an Order on Consent and Administrative Settlement that ordered the owner to prepare and submit a Site Characterization Plan and to reimburse the state for oversight and other costs.

PCS Summary and Decision Rationale

(All text as entered on page A-4)

The Franklen site was discovered by NYSDEC upon the reporting of a sheen on groundwater during a due diligence investigation. Subsequent subsurface investigations found petroleum and chlorinated solvent (i.e., PCE and TCE) impacts from Franklen's historical operations. As a result of the presence of PCE, the case was transferred to the State Superfund Program (Site Code: 224164).

Based on monitoring data from nearby sites, NYSDEC determined that neither the petroleum nor the chlorinated solvent contamination came from from an off-site source. Soil borings advanced throughout the site showed the presence of a contaminated soil source. NYSDEC directed the site owner to take additional measures to fully delineate the source areas. Citing depleted funds, the site owner objected to delineating the source area. In October 2019, the site owner and NYSDEC entered into an Order on Consent and Administrative Settlement that ordered the owner to prepare and submit a Site Characterization Plan and to reimburse the state for oversight and other costs.

Chlorinated solvents, such as PCE and its breakdown products, are not known to be contaminants of concern in Coney Island Creek. Monitoring of the site and the delineation of source area(s) is being conducted under the oversight of NYSDEC's State Superfund Program.

[redacted]

Pre-CERCLA Screening Checklist/Decision Form

This form is used in conjunction with a site map and any additional information required by the EPA Region to document completion of a Pre-CERCLA Screening (PCS). The form includes a decision on whether a site should be added to the Superfund program's active site inventory for further investigation. This checklist replaces Attachment A in the December 2016 PCS Guidance document. A current version of the PCS checklist and additional information is available at: https://www.epa.gov/superfund/pre-cercla-screening.

Region: 2 **State/Territory:** NY **Tribe:** _____ EPA ID No. (If Available): _____

Site Name: Former Gateway French Cleaners

Other Site Name(s): Strip Mall

Site Location: 3375-3377 Neptune Avenue (Street)

8 (Congressional District) | Brooklyn (City) | NY (State/Terr.) | _____ (County) | 11224 – _____ (Zip+4) | ☐ (No Zip Available)

If no street address is available: _____ (Township-Range) _____ (Section)

Checklist Preparer:

Scott T. Snyder (Name / Title) | 07/08/2020 (Date)

Weston Solutions, Inc. (Organization) | (732) 417-5828 (Phone)

205 Campus Drive (Street) | s.snyder@westonsolutions.com (e-Mail)

Edison (City) | NJ (State/Terr.) | _____ (County) | 08837- _____ (Zip+4)

Site Contact Info/Mailing Address: Peter Gray, Bay Park One-A LLC
c/o Starrett Companies LLC, 70 East 55th Street, 7th Floor, New York, NY 10022

CERCLA 105d Petition for Preliminary Assessment? No **If Yes, Petition Date (mm/dd/yyyy):** _____

RCRA Subtitle C Site Status: Is site in RCRA Info? No **If Yes, RCRA Info Handler ID #:** _____

Ownership Type: Private **Additional RCRA Info ID #(s):** _____

Site Type: Other **State ID #(s):** _____

Site Sub-Type: Dry-Cleaning Operations **Other ID #(s):** _____

Federal Facility? No **Federal Facility Owner:** (Make selection)

Formerly Used Defense Site (FUDS)? No

Federal Facility Docket? No **If Yes, FF Docket Listing Date (mm/dd/yyyy):** _____

Federal Facility Docket Reporting Mechanism: (Make selection)

Native American Interest? No **If Yes, list Tribe:** _____

Additional Tribe (s): (Make Selection)

Additional Tribe (s): (Make Selection)

Site Description

Use this section to briefly describe site background and conditions if known or (easily) available, such as: operational history; physical setting and land use; site surface description, soils, geology and hydrogeology; source and waste characteristics; hazardous substances/contaminants of concern; historical releases, previous investigations and cleanup activities; previous regulatory actions, including permitting and enforcement actions; institutional controls; and community interest.

Gateway French Dry Cleaners occupied the western end of a strip mall on Neptune Avenue from approximately 1986 to 1995. The facility utilized tetrachloroethylene (PCE) as a cleaning solvent. A multistory residential apartment building is part of the same structure and is attached to the rear of the mall. The former dry cleaner portion of the property was renovated for commercial usage after the dry cleaner terminated its operation and is currently occupied by dental office. The site is also listed in the NY Spills database under the name "Strip Mall", located at 3325 Neptune Avenue.

The site was discovered by the New York Department of Environmental Conservation (NYSDEC) when a due diligence investigation prior to the sale of the property discovered petroleum and PCE impacts to soil, groundwater, and soil vapor. PCE was detected in on-site soil at a maximum concentration of 2.9 parts per million (ppm). PCE wa

Geospatial Information

Latitude: 40.577372° **Longitude:** -74.001436°

Decimal Degree North (e.g., 38.859156) **Decimal Degree West (e.g., 77.036783)**

Provide 4 significant digits at a minimum, more if your collection method generates them.

Except for certain territories in the Pacific Ocean, all sites in U.S. states and territories are located within the northern and western hemispheres and will have a positive latitude sign and negative longitude sign. Coordinate signs displayed above are based on the State/Territory entry on page A-1. Geospatial data tips from the PCS Guidance document are available **here.**

Point Description: Select the option below that best represents the site point for future reference and to distinguish it from any nearby sites. See additional information **here.**

- ☐ Geocoded (address-matched) Site Address
- ☐ Site Entrance (approximate center of curb-cut)
- ☒ Approximate Center of Site
- ☐ Other Distinguishing Site Feature (briefly describe):

Point Collection Method: Check the method used to collect the coordinates above and enter the date of collection. See additional information **here.**

- ☐ Online Map Interpolation
- ☐ GPS (handheld, smartphone, other device or technology with accuracy range < 25 meters)
- ☐ GPS Other (accuracy range is ≥ 25 meters or unspecified)
- ☐ Address Matching: Urban
- ☐ Address Matching: Rural
- ☒ Other Method (briefly describe below):

Google Earth

Collection Date (mm/dd/yyyy): 07/08/2020

POINT-SELECTION CONSIDERATIONS

- Often the best point is a feature associated with the environmental release or that identifies the site visually.
- Use the curb cut of the entrance to the site if there is a clear primary entrance and it is a good identifier for the overall location.
- The approximate center of the site (a guess at the centroid) is useful for large-area sites or where there are no appropriate distinguishing features.
- Use the geocoded address if that is the only or best option available, but if possible use something more representative for sites larger than 50 acres.

Complete this checklist to help determine if a site should be added to the Superfund Active site inventory. See Section 3.6 of the PCS guidance for additional information.	YES	NO	Unknown
1. An initial search for the site in EPA's Superfund active, archive and non-site inventories should be performed prior to starting a PCS. Is this a new site that does not already exist in these site inventories?	☒	☐	☐
2. Is there evidence of an actual release or a potential to release?	☒	☐	☐
3. Are there possible targets that could be impacted by a release of contamination at the site?	☒	☐	☐
4. Is there documentation indicating that a target has been exposed to a hazardous substance released from the site?	☒	☐	☐
5. Is the release of a naturally occurring substance in its unaltered form, or is it altered solely through naturally occurring processes or phenomena, from a location where it is naturally found?	☐	☒	☐
6. Is the release from products which are part of the structure of, and result in exposure within, residential buildings or business or community structures?	☐	☒	☐
7. If there has been a release into a public or private drinking water supply, is it due to deterioration of the system through ordinary use?	☐	☒	☐
8. Are the hazardous substances possibly released at the site, or is the release itself, excluded from being addressed under CERCLA?	☐	☒	☐
9. Is the site being addressed under RCRA corrective action or by the Nuclear Regulatory Commission?	☐	☒	☐
10. Is another federal, state, tribe or local government environmental cleanup program other than site assessment actively involved with the site (e.g., state voluntary cleanup program)?	☒	☐	☐
11. Is there sufficient documentation or evidence that demonstrates there is no likelihood of a significant release that could cause adverse environmental or human health impacts?	☐	☒	☐
12. Are there other site-specific situations or factors that warrant further CERCLA remedial/integrated assessment or response?	☐	☒	☐

Preparer's Recommendation: [redacted]

PCS Summary and Decision Rationale

Use this section to summarize PCS findings and support the decision to add or not add the site to the Superfund active site inventory for further investigation. Information does not need to be specific but, where known, can include key factors such as source and waste characteristics (e.g., drums, contaminated soil); evidence of release or potential release; threatened targets (e.g., drinking water wells); key sampling results (if available); CERCLA eligibility; involvement of other cleanup programs; and other supporting factors. Attach additional pages as necessary.

The site is a former dry cleaner that utilized PCE as a dry cleaning solvent. PCE and its breakdown products were detected in soil, groundwater, soil vapor, and indoor air. The site was addressed under the State Brownfield Cleanup Program (Site Code: C224151). Remediation of the site was completed under a September 2016 Consent Order with NYSDEC.

Chlorinated solvents, such as PCE and its breakdown products, are not known to be contaminants of concern in Coney Island Creek, and as the site was remediated under NYSDEC oversight, and residual contamination is being managed under a NYSDEC-approved Operations and Maintenance (O&M) Plan, the Former Gateway French

Scott T. Snyder, CHMM	EPA contractor	07/08/2020
Checklist Preparer Name	**Checklist Preparer Organization**	**Date**

EPA Regional Review and Pre-CERCLA Screening Decision

[redacted]

Optional - Print name of EPA Site Assessor making this decision: _____

EPA Regional Approval: (Enter Date and then click this box to initiate digital signature stamp) _____ **Date** _____

Site Description

(All text as entered on page A-2)

Gateway French Dry Cleaners occupied the western end of a strip mall on Neptune Avenue from approximately 1986 to 1995. The facility utilized tetrachloroethylene (PCE) as a cleaning solvent. A multistory residential apartment building is part of the same structure and is attached to the rear of the mall. The former dry cleaner portion of the property was renovated for commercial usage after the dry cleaner terminated its operation and is currently occupied by dental office. The site is also listed in the NY Spills database under the name "Strip Mall", located at 3325 Neptune Avenue.

The site was discovered by the New York Department of Environmental Conservation (NYSDEC) when a due diligence investigation prior to the sale of the property discovered petroleum and PCE impacts to soil, groundwater, and soil vapor. PCE was detected in on-site soil at a maximum concentration of 2.9 parts per million (ppm). PCE was detected in groundwater at a maximum concentration of 5.8 parts per billion (ppb). PCE and trichloroethylene (TCE) were detected in sub-slab soil vapor samples both on and off site, with concentrations up to 68,000 micrograms per cubic meter (ug/m3) and 730 ug/m3, respectively. PCE was detected in indoor air at an unspecified location at a maximum concentration of 1.38 ug/m3.

BTEX (i.e., bezene, toluene, ethylbenzene, and xylene) compounds are also contaminants of concern and are likely related to the petroleum contamination. A 25,000-gallon fuel oil underground storage tank (UST) is present on the site. The investigation into the petroleum contamination concluded that it is possible that some petroleum release has occurred near the tank, possibly the result of overfills and not necessarily the result of a leaking tank or lines.

The site was addressed under the State Brownfield Cleanup Program (Site Code: C224151). Remediation was completed under a September 2016 Consent Order with the NYSDEC. Remedial actions have successfully achieved soil cleanup objectives for restricted residential, commercial, and industrial uses. Residual contamination is being managed under an Operations and Maintenance (O&M) Plan that was updated in June 2019. Remedial actions are complete and measures (e.g., engineering and institutional controls) are in place to control the potential for coming in contact with residual contamination remaining at the site. A sub-slab depressurization system (SSDS) was installed and is operating on the residential building located immediately north of the site. The Coney Island Library serves as a repository for site documents.

PCS Summary and Decision Rationale

(All text as entered on page A-4)

The site is a former dry cleaner that utilized PCE as a dry cleaning solvent. PCE and its breakdown products were detected in soil, groundwater, soil vapor, and indoor air. The site was addressed under the State Brownfield Cleanup Program (Site Code: C224151). Remediation of the site was completed under a September 2016 Consent Order with NYSDEC.

[redacted]

Pre-CERCLA Screening Checklist/Decision Form

This form is used in conjunction with a site map and any additional information required by the EPA Region to document completion of a Pre-CERCLA Screening (PCS). The form includes a decision on whether a site should be added to the Superfund program's active site inventory for further investigation. This checklist replaces Attachment A in the December 2016 PCS Guidance document. A current version of the PCS checklist and additional information is available at: https://www.epa.gov/superfund/pre-cercla-screening.

Region: 2 **State/Territory:** NY **Tribe:** NYR000226605 (EPA ID No. (If Available))

Site Name: Gly Cleaners

Other Site Name(s): Michael's Cleaners

Site Location: 2022 Cropsey Avenue (Street)

11 (Congressional District) Brooklyn (City) NY (State/Terr.) (County) 11214 (Zip+4) ☐ (No Zip Available)

If no street address is available: (Township-Range) (Section)

Checklist Preparer:
Scott T. Snyder (Name / Title) 07/08/2020 (Date)
Weston Solutions, Inc. (Organization) (732) 417-5828 (Phone)
205 Campus Drive (Street) s.snyder@westonsolutions.com e-Mail
Edison (City) NJ (State/Terr.) (County) 08837- (Zip+4)

Site Contact Info/Mailing Address: 2002 Cropsey Management Associates
2002 Cropsey Avenue, Brooklyn, NY 11214

CERCLA 105d Petition for Preliminary Assessment? No **If Yes, Petition Date (mm/dd/yyyy):**

RCRA Subtitle C Site Status: Is site in RCRA Info? No **If Yes, RCRA Info Handler ID #:**

Ownership Type: Private **Additional RCRA Info ID #(s):**

Site Type: Other **State ID #(s):**

Site Sub-Type: Dry-Cleaning Operations **Other ID #(s):**

Federal Facility? No **Federal Facility Owner:** (Make selection)

Formerly Used Defense Site (FUDS)? No

Federal Facility Docket? No **If Yes, FF Docket Listing Date (mm/dd/yyyy):**

Federal Facility Docket Reporting Mechanism: (Make selection)

Native American Interest? No **If Yes, list Tribe:**

Additional Tribe (s): (Make Selection)

Additional Tribe (s): (Make Selection)

Site Description

Use this section to briefly describe site background and conditions if known or (easily) available, such as: operational history; physical setting and land use; site surface description, soils, geology and hydrogeology; source and waste characteristics; hazardous substances/contaminants of concern; historical releases, previous investigations and cleanup activities; previous regulatory actions, including permitting and enforcement actions; institutional controls; and community interest.

Gly Cleaners is an active dry cleaning facility and a generator of hazardous waste (Handler ID No. NYR000226605). The facility is designated under the Resource Conservation and Recovery Act (RCRA) as a Large Quantity Generator (LQG). Available records indicate that hazardous waste generated at the facility includes only ignitable waste (D001); however, tetrachloroethylene (PCE) is the primary contaminant of concern at the site.

Gly Cleaners is located in a strip mall consisting of eight stores. Dry cleaning activities have been conducted at the facility since its development in 1950. Gly Cleaners is located at 2022 Cropsey Ave., towards the eastern section of the property. The basement is a poured concrete floor with no observed cracking or other penetrations. A concrete-lined pit is present near the rear of the dry cleaner basement door. No cracking or penetrations were observed in the pit. The exit door leads to a stairwell containing a floor drain. A narrow, undeveloped strip of land

Geospatial Information

Latitude: 40.599666° — **Decimal Degree North (e.g., 38.859156)**

Longitude: -74.002485° — **Decimal Degree West (e.g., 77.036783)**

Provide 4 significant digits at a minimum, more if your collection method generates them.

Except for certain territories in the Pacific Ocean, all sites in U.S. states and territories are located within the northern and western hemispheres and will have a positive latitude sign and negative longitude sign. Coordinate signs displayed above are based on the State/Territory entry on page A-1. Geospatial data tips from the PCS Guidance document are available **here.**

Point Description: Select the option below that best represents the site point for future reference and to distinguish it from any nearby sites. See additional information **here.**

- ☐ Geocoded (address-matched) Site Address
- ☐ Site Entrance (approximate center of curb-cut)
- ☒ Approximate Center of Site
- ☐ Other Distinguishing Site Feature (briefly describe):

Point Collection Method: Check the method used to collect the coordinates above and enter the date of collection. See additional information **here.**

- ☐ Online Map Interpolation
- ☐ GPS (handheld, smartphone, other device or technology with accuracy range < 25 meters)
- ☐ GPS Other (accuracy range is ≥ 25 meters or unspecified)
- ☐ Address Matching: Urban
- ☐ Address Matching: Rural
- ☒ Other Method (briefly describe below):

Google Earth

Collection Date (mm/dd/yyyy): 07/08/2020

POINT-SELECTION CONSIDERATIONS

- Often the best point is a feature associated with the environmental release or that identifies the site visually.
- Use the curb cut of the entrance to the site if there is a clear primary entrance and it is a good identifier for the overall location.
- The approximate center of the site (a guess at the centroid) is useful for large-area sites or where there are no appropriate distinguishing features.
- Use the geocoded address if that is the only or best option available, but if possible use something more representative for sites larger than 50 acres.

Complete this checklist to help determine if a site should be added to the Superfund Active site inventory. See Section 3.6 of the PCS guidance for additional information.	YES	NO	Unknown
1. An initial search for the site in EPA's Superfund active, archive and non-site inventories should be performed prior to starting a PCS. Is this a new site that does not already exist in these site inventories?	☒	☐	☐
2. Is there evidence of an actual release or a potential to release?	☒	☐	☐
3. Are there possible targets that could be impacted by a release of contamination at the site?	☒	☐	☐
4. Is there documentation indicating that a target has been exposed to a hazardous substance released from the site?	☒	☐	☐
5. Is the release of a naturally occurring substance in its unaltered form, or is it altered solely through naturally occurring processes or phenomena, from a location where it is naturally found?	☐	☒	☐
6. Is the release from products which are part of the structure of, and result in exposure within, residential buildings or business or community structures?	☐	☒	☐
7. If there has been a release into a public or private drinking water supply, is it due to deterioration of the system through ordinary use?	☐	☒	☐
8. Are the hazardous substances possibly released at the site, or is the release itself, excluded from being addressed under CERCLA?	☐	☒	☐
9. Is the site being addressed under RCRA corrective action or by the Nuclear Regulatory Commission?	☐	☒	☐
10. Is another federal, state, tribe or local government environmental cleanup program other than site assessment actively involved with the site (e.g., state voluntary cleanup program)?	☒	☐	☐
11. Is there sufficient documentation or evidence that demonstrates there is no likelihood of a significant release that could cause adverse environmental or human health impacts?	☐	☒	☐
12. Are there other site-specific situations or factors that warrant further CERCLA remedial/integrated assessment or response?	☐	☒	☐

Preparer's Recommendation: [redacted]

PCS Summary and Decision Rationale

Use this section to summarize PCS findings and support the decision to add or not add the site to the Superfund active site inventory for further investigation. Information does not need to be specific but, where known, can include key factors such as source and waste characteristics (e.g., drums, contaminated soil); evidence of release or potential release; threatened targets (e.g., drinking water wells); key sampling results (if available); CERCLA eligibility; involvement of other cleanup programs; and other supporting factors. Attach additional pages as necessary.

Gly Cleaners is an active dry cleaning facility and a generator of hazardous waste (Handler ID No. NYR000226605). The facility is designated under RCRA as an LQG. Available records indicate that hazardous waste generated at the facility includes only ignitable waste (D001); however, PCE is the primary contaminant of concern at the site. Dry cleaning activities have been conducted at the site since its development in 1950. Based upon the investigations conducted at the site, there has been a release of PCE and its degradation products TCE and DCE to soil and groundwater. Sample locations focused on the area of the on-site building, but also included two adjacent residential properties. Soil vapor and indoor air samples show PCE has been detected in on-site sub-slab soil vapor and indoor air samples. In off-site areas, the highest sub-slab soil vapor concentration for PCE and TCE underlying the adjacent

Scott T. Snyder, CHMM	EPA contractor	07/08/2020
Checklist Preparer Name	**Checklist Preparer Organization**	**Date**

EPA Regional Review and Pre-CERCLA Screening Decision

[redacted]

Optional - Print name of EPA Site Assessor making this decision: _____

EPA Regional Approval: (Enter Date and then click this box to initiate digital signature stamp) _____ **Date** _____

Site Description

(All text as entered on page A-2)

Gly Cleaners is an active dry cleaning facility and a generator of hazardous waste (Handler ID No. NYR000226605). The facility is designated under the Resource Conservation and Recovery Act (RCRA) as a Large Quantity Generator (LQG). Available records indicate that hazardous waste generated at the facility includes only ignitable waste (D001); however, tetrachloroethylene (PCE) is the primary contaminant of concern at the site.

Gly Cleaners is located in a strip mall consisting of eight stores. Dry cleaning activities have been conducted at the facility since its development in 1950. Gly Cleaners is located at 2022 Cropsey Ave., towards the eastern section of the property. The basement is a poured concrete floor with no observed cracking or other penetrations. A concrete-lined pit is present near the rear of the dry cleaner basement door. No cracking or penetrations were observed in the pit. The exit door leads to a stairwell containing a floor drain. A narrow, undeveloped strip of land extends along the entire south (rear) side of the building and lies between the site and an adjacent apartment building.

Based on the investigations conducted at the site, the primary contaminants of concern include PCE and its degradation products. Sample locations focused on the area of the on-site building, but also included two adjacent residential properties. PCE was found in shallow soil beneath the on-site property, at a maximum concentration of 14 parts per million (ppm) at a depth of 3 to 4 feet below ground surface (bgs). PCE, cis-1,2-dichloroethylene (DCE), and trichloroethylene (TCE) were detected off-site and downgradient of the dry cleaner area, in a soil sample collected at a depth of 35 feet bgs. PCE, TCE, and DCE were also detected in groundwater at multiple on- and off-site locations. PCE has been detected on site at a maximum concentration 63,000 parts per billion (ppb). TCE has been detected off-site at concentrations up to 130 ppb. Soil vapor and indoor air samples show PCE has been detected in on-site sub-slab soil vapor as high as 420,000 micrograms per cubic meter (ug/m3) and indoor air samples as high as 100 ug/m3. In off-site areas, the highest sub-slab soil vapor concentrations for PCE and TCE underlying the residential property were 210,000 ug/m3 and 790 ug/m3, respectively. The distribution and abundance of PCE and TCE in soil/sub-slab samples is consistent with the presence of these compounds in soil and groundwater. The site is being addressed under the State Superfund Program (Site Code: 224169).

PCS Summary and Decision Rationale

(All text as entered on page A-4)

Gly Cleaners is an active dry cleaning facility and a generator of hazardous waste (Handler ID No. NYR000226605). The facility is designated under RCRA as an LQG. Available records indicate that hazardous waste generated at the facility includes only ignitable waste (D001); however, PCE is the primary contaminant of concern at the site. Dry cleaning activities have been conducted at the site since its development in 1950. Based upon the investigations conducted at the site, there has been a release of PCE and its degradation products TCE and DCE to soil and groundwater. Sample locations focused on the area of the on-site building, but also included two adjacent residential properties. Soil vapor and indoor air samples show PCE has been detected in on-site sub-slab soil vapor and indoor air samples. In off-site areas, the highest sub-slab soil vapor concentration for PCE and TCE underlying the adjacent residential property were 210,000 ug/m3 and 790 ug/m3, respectively.



Pre-CERCLA Screening Checklist/Decision Form

This form is used in conjunction with a site map and any additional information required by the EPA Region to document completion of a Pre-CERCLA Screening (PCS). The form includes a decision on whether a site should be added to the Superfund program's active site inventory for further investigation. This checklist replaces Attachment A in the December 2016 PCS Guidance document. A current version of the PCS checklist and additional information is available at: https://www.epa.gov/superfund/pre-cercla-screening.

Region: 2 **State/Territory:** NY **Tribe:** NYD982275224 (EPA ID No. (If Available))

Site Name: IDA Cleaners Inc.

Other Site Name(s):

Site Location: 579 Kings Highway (Street)

11 (Congressional District) Brooklyn (City) NY (State/Terr.) (County) 11223 (Zip+4) ☐ (No Zip Available)

If no street address is available: (Township-Range) (Section)

Checklist Preparer:
Scott T. Snyder (Name / Title) 07/08/2020 (Date)
Weston Solutions, Inc. (Organization) (732) 417-5828 (Phone)
205 Campus Drive (Street) s.snyder@westonsolutions.com e-Mail
Edison (City) NJ (State/Terr.) (County) 08837 (Zip+4)

Site Contact Info/Mailing Address: Ida Foresta
121 Paulding Avenue, Staten Island, NY 10314

CERCLA 105d Petition for Preliminary Assessment? No **If Yes, Petition Date (mm/dd/yyyy):**

RCRA Subtitle C Site Status: Is site in RCRA Info? No **If Yes, RCRA Info Handler ID #:**

Ownership Type: Private **Additional RCRA Info ID #(s):**

Site Type: Other **State ID #(s):**

Site Sub-Type: Dry-Cleaning Operations **Other ID #(s):**

Federal Facility? No **Federal Facility Owner:** (Make selection)

Formerly Used Defense Site (FUDS)? No

Federal Facility Docket? No **If Yes, FF Docket Listing Date (mm/dd/yyyy):**

Federal Facility Docket Reporting Mechanism: (Make selection)

Native American Interest? No **If Yes, list Tribe:**

Additional Tribe (s): (Make Selection)

Additional Tribe (s): (Make Selection)

Site Description

Use this section to briefly describe site background and conditions if known or (easily) available, such as: operational history; physical setting and land use; site surface description, soils, geology and hydrogeology; source and waste characteristics; hazardous substances/contaminants of concern; historical releases, previous investigations and cleanup activities; previous regulatory actions, including permitting and enforcement actions; institutional controls; and community interest.

IDA Cleaners is an active dry cleaning facility and a generator of hazardous waste (Handler ID No. NYD982275224). Resource Conservation and Recovery Act (RCRA) designations have varied over time, from Small Quantity Generator (SQG) originally in 1987 to RCRA Non-Generator in 1995, to Conditionally Exempt Small Quantity Generator (CESQG) in 2006. As of June 1, 2020, the facility was designated an SQG. Hazardous waste generated at the facility includes chromium (D007), 1,2-dichloroethylene (D029), tetrachloroethylene (PCE) (D039), and spent halogenated solvents (F002).

The site currently consists of a two-story mixed use building with a dry cleaner on the 1st floor and a residential apartment on the 2nd floor. The site has been used as a dry cleaner since at least 1981. According to New York State Department of Environmental Conservation (NYSDEC) records, the facility is operating one dry cleaning

Geospatial Information

Latitude: 40.605318° **Longitude:** -73.968030°

Decimal Degree North (e.g., 38.859156) **Decimal Degree West (e.g., 77.036783)**

Provide 4 significant digits at a minimum, more if your collection method generates them.

Except for certain territories in the Pacific Ocean, all sites in U.S. states and territories are located within the northern and western hemispheres and will have a positive latitude sign and negative longitude sign. Coordinate signs displayed above are based on the State/Territory entry on page A-1. Geospatial data tips from the PCS Guidance document are available **here.**

Point Description: Select the option below that best represents the site point for future reference and to distinguish it from any nearby sites. See additional information **here.**

- ☐ Geocoded (address-matched) Site Address
- ☐ Site Entrance (approximate center of curb-cut)
- ☒ Approximate Center of Site
- ☐ Other Distinguishing Site Feature (briefly describe):

Point Collection Method: Check the method used to collect the coordinates above and enter the date of collection. See additional information **here.**

- ☐ Online Map Interpolation
- ☐ GPS (handheld, smartphone, other device or technology with accuracy range < 25 meters)
- ☐ GPS Other (accuracy range is ≥ 25 meters or unspecified)
- ☐ Address Matching: Urban
- ☐ Address Matching: Rural
- ☒ Other Method (briefly describe below):

Google Earth

Collection Date (mm/dd/yyyy): 07/08/2020

POINT-SELECTION CONSIDERATIONS

- Often the best point is a feature associated with the environmental release or that identifies the site visually.
- Use the curb cut of the entrance to the site if there is a clear primary entrance and it is a good identifier for the overall location.
- The approximate center of the site (a guess at the centroid) is useful for large-area sites or where there are no appropriate distinguishing features.
- Use the geocoded address if that is the only or best option available, but if possible use something more representative for sites larger than 50 acres.

Complete this checklist to help determine if a site should be added to the Superfund Active site inventory. See Section 3.6 of the PCS guidance for additional information.	YES	NO	Unknown
1. An initial search for the site in EPA's Superfund active, archive and non-site inventories should be performed prior to starting a PCS. Is this a new site that does not already exist in these site inventories?	☒	☐	☐
2. Is there evidence of an actual release or a potential to release?	☒	☐	☐
3. Are there possible targets that could be impacted by a release of contamination at the site?	☒	☐	☐
4. Is there documentation indicating that a target has been exposed to a hazardous substance released from the site?	☒	☐	☐
5. Is the release of a naturally occurring substance in its unaltered form, or is it altered solely through naturally occurring processes or phenomena, from a location where it is naturally found?	☐	☒	☐
6. Is the release from products which are part of the structure of, and result in exposure within, residential buildings or business or community structures?	☐	☒	☐
7. If there has been a release into a public or private drinking water supply, is it due to deterioration of the system through ordinary use?	☐	☒	☐
8. Are the hazardous substances possibly released at the site, or is the release itself, excluded from being addressed under CERCLA?	☐	☒	☐
9. Is the site being addressed under RCRA corrective action or by the Nuclear Regulatory Commission?	☐	☒	☐
10. Is another federal, state, tribe or local government environmental cleanup program other than site assessment actively involved with the site (e.g., state voluntary cleanup program)?	☒	☐	☐
11. Is there sufficient documentation or evidence that demonstrates there is no likelihood of a significant release that could cause adverse environmental or human health impacts?	☐	☒	☐
12. Are there other site-specific situations or factors that warrant further CERCLA remedial/integrated assessment or response?	☐	☒	☐

Preparer's Recommendation: [redacted]

PCS Summary and Decision Rationale

Use this section to summarize PCS findings and support the decision to add or not add the site to the Superfund active site inventory for further investigation. Information does not need to be specific but, where known, can include key factors such as source and waste characteristics (e.g., drums, contaminated soil); evidence of release or potential release; threatened targets (e.g., drinking water wells); key sampling results (if available); CERCLA eligibility; involvement of other cleanup programs; and other supporting factors. Attach additional pages as necessary.

IDA Cleaners is an active dry cleaning facility and a generator of hazardous waste (Handler ID No. NYD982275224). Hazardous waste generated at the facility includes PCE (D039) and spent halogenated solvents (F002). The site has been used as a dry cleaner since at least 1981. According to NYSDEC records, the facility uses between 15 and 30 gallons of PCE per month.

The site was discovered by NYSDEC via a soil vapor intrusion investigation at a nearby spill site that identified PCE in sub-slab soil vapor. PCE's breakdown product TCE was also identified. PCE and TCE were detected in soil vapor and groundwater samples collected between the spill site and IDA Cleaners. Chlorinated solvents were not

Scott T. Snyder, CHMM	EPA contractor	07/08/2020
Checklist Preparer Name	**Checklist Preparer Organization**	**Date**

EPA Regional Review and Pre-CERCLA Screening Decision

[redacted]

Optional - Print name of EPA Site Assessor making this decision: _____

EPA Regional Approval: (Enter Date and then click this box to initiate digital signature stamp) _____ **Date** _____

Site Description

(All text as entered on page A-2)

IDA Cleaners is an active dry cleaning facility and a generator of hazardous waste (Handler ID No. NYD982275224). Resource Conservation and Recovery Act (RCRA) designations have varied over time, from Small Quantity Generator (SQG) originally in 1987 to RCRA Non-Generator in 1995, to Conditionally Exempt Small Quantity Generator (CESQG) in 2006. As of June 1, 2020, the facility was designated an SQG. Hazardous waste generated at the facility includes chromium (D007), 1,2-dichloroethylene (D029), tetrachloroethylene (PCE) (D039), and spent halogenated solvents (F002).

The site currently consists of a two-story mixed use building with a dry cleaner on the 1st floor and a residential apartment on the 2nd floor. The site has been used as a dry cleaner since at least 1981. According to New York State Department of Environmental Conservation (NYSDEC) records, the facility is operating one dry cleaning machine using PCE solvent. The facility reportedly uses between 15 and 30 gallons of PCE per month.

The site was discovered by NYSDEC via a soil vapor intrusion investigation at a nearby spill site that identified PCE in sub-slab soil vapor. PCE's breakdown product trichloroethylene (TCE) was also identified. PCE was detected in one indoor air sample in that building"s basement at a concentration of 32 micrograms per cubic meter (ug/m3). An off-site monitoring well, which is the closest well to the dry cleaner site, had PCE in groundwater at a maximum concentration of 8.6 micrograms per liter (ug/L). Chlorinated solvents were not contaminants of concern at the spill site. Additional soil vapor samples were collected from the sidewalk in front of three buildings located between the spill site and the IDA Cleaners. These samples had detectable concentrations of PCE and TCE. NYSDEC has attributed the the contamination to the IDA Cleaners facility and the site is being addressed under the State Superfund Program (Site Code: 224243).

PCS Summary and Decision Rationale

(All text as entered on page A-4)

IDA Cleaners is an active dry cleaning facility and a generator of hazardous waste (Handler ID No. NYD982275224). Hazardous waste generated at the facility includes PCE (D039) and spent halogenated solvents (F002). The site has been used as a dry cleaner since at least 1981. According to NYSDEC records, the facility uses between 15 and 30 gallons of PCE per month.

The site was discovered by NYSDEC via a soil vapor intrusion investigation at a nearby spill site that identified PCE in sub-slab soil vapor. PCE's breakdown product TCE was also identified. PCE and TCE were detected in soil vapor and groundwater samples collected between the spill site and IDA Cleaners. Chlorinated solvents were not contaminants of concern at the spill site. NYSDEC has attributed the the contamination to the IDA Cleaners facility.

[redacted]

Pre-CERCLA Screening Checklist/Decision Form

This form is used in conjunction with a site map and any additional information required by the EPA Region to document completion of a Pre-CERCLA Screening (PCS). The form includes a decision on whether a site should be added to the Superfund program's active site inventory for further investigation. This checklist replaces Attachment A in the December 2016 PCS Guidance document. A current version of the PCS checklist and additional information is available at: https://www.epa.gov/superfund/pre-cercla-screening.

Region: 2 **State/Territory:** NY **Tribe:** NYD068270917 (EPA ID No. (If Available))

Site Name: Morris Dry Cleaners

Other Site Name(s):

Site Location: 606 Kings Highway (Street)

11 (Congressional District) | Brooklyn (City) | NY (State/Terr.) | (County) | 11223 – (Zip+4) | ☐ (No Zip Available)

If no street address is available: (Township-Range) (Section)

Checklist Preparer:

Scott T. Snyder (Name / Title) 07/08/2020 (Date)

Weston Solutions, Inc. (Organization) (732) 417-5828 (Phone)

205 Campus Drive (Street) s.snyder@westonsolutions.com (e-Mail)

Edison (City) | NJ (State/Terr.) | (County) | 08837- (Zip+4)

Site Contact Info/Mailing Address: 1777 Management Company Co. LLC
5318 New Utrecht Avenue, 2nd Floor, Brooklyn, NY 11219

CERCLA 105d Petition for Preliminary Assessment? No **If Yes, Petition Date (mm/dd/yyyy):**

RCRA Subtitle C Site Status: Is site in RCRA Info? No **If Yes, RCRA Info Handler ID #:**

Ownership Type: Private **Additional RCRA Info ID #(s):**

Site Type: Other **State ID #(s):**

Site Sub-Type: Dry-Cleaning Operations **Other ID #(s):**

Federal Facility? No **Federal Facility Owner:** (Make selection)

Formerly Used Defense Site (FUDS)? No

Federal Facility Docket? No **If Yes, FF Docket Listing Date (mm/dd/yyyy):**

Federal Facility Docket Reporting Mechanism: (Make selection)

Native American Interest? No **If Yes, list Tribe:**

Additional Tribe (s): (Make Selection)

Additional Tribe (s): (Make Selection)

Site Description

Use this section to briefly describe site background and conditions if known or (easily) available, such as: operational history; physical setting and land use; site surface description, soils, geology and hydrogeology; source and waste characteristics; hazardous substances/contaminants of concern; historical releases, previous investigations and cleanup activities; previous regulatory actions, including permitting and enforcement actions; institutional controls; and community interest.

Morris Dry Cleaners is an active dry cleaning facility and a generator of hazardous waste (Handler ID No. NYD068270917). The facility is designated under the Resource Conservation and Recovery Act (RCRA) as a Conditionally Exempt Small Quantity Generator (CESQG). Available records indicate that hazardous waste generated at the facility includes ignitable waste (D001), chromium (D007), tetrachloroethylene (PCE) (D039), and spent halogenated solvents (F002).

In January 2016, the New York State Department of Environmental Conservation (NYSDEC) received an odor complaint regarding exhaust from the Morris Dry Cleaners facility. The caller noted that exhaust from the dry cleaner was entering apartment and lobby windows at a nearby apartment building. The case was referred to the NYSDEC Air Resources Group. Although the facility has received Notices of Violation (NOV) resulting in informal

Geospatial Information

Latitude: 40.605783° — **Decimal Degree North (e.g., 38.859156)**

Longitude: -73.966145° — **Decimal Degree West (e.g., 77.036783)**

Provide 4 significant digits at a minimum, more if your collection method generates them.

Except for certain territories in the Pacific Ocean, all sites in U.S. states and territories are located within the northern and western hemispheres and will have a positive latitude sign and negative longitude sign. Coordinate signs displayed above are based on the State/Territory entry on page A-1. Geospatial data tips from the PCS Guidance document are available **here.**

Point Description: Select the option below that best represents the site point for future reference and to distinguish it from any nearby sites. See additional information **here.**

- ☐ Geocoded (address-matched) Site Address
- ☐ Site Entrance (approximate center of curb-cut)
- ☒ Approximate Center of Site
- ☐ Other Distinguishing Site Feature (briefly describe):

Point Collection Method: Check the method used to collect the coordinates above and enter the date of collection. See additional information **here.**

- ☐ Online Map Interpolation
- ☐ GPS (handheld, smartphone, other device or technology with accuracy range < 25 meters)
- ☐ GPS Other (accuracy range is ≥ 25 meters or unspecified)
- ☐ Address Matching: Urban
- ☐ Address Matching: Rural
- ☒ Other Method (briefly describe below):

Google Earth

Collection Date (mm/dd/yyyy): 07/08/2020

POINT-SELECTION CONSIDERATIONS

- Often the best point is a feature associated with the environmental release or that identifies the site visually.
- Use the curb cut of the entrance to the site if there is a clear primary entrance and it is a good identifier for the overall location.
- The approximate center of the site (a guess at the centroid) is useful for large-area sites or where there are no appropriate distinguishing features.
- Use the geocoded address if that is the only or best option available, but if possible use something more representative for sites larger than 50 acres.

Complete this checklist to help determine if a site should be added to the Superfund Active site inventory. See Section 3.6 of the PCS guidance for additional information.	YES	NO	Unknown
1. An initial search for the site in EPA's Superfund active, archive and non-site inventories should be performed prior to starting a PCS. Is this a new site that does not already exist in these site inventories?	☒	☐	☐
2. Is there evidence of an actual release or a potential to release?	☒	☐	☐
3. Are there possible targets that could be impacted by a release of contamination at the site?	☒	☐	☐
4. Is there documentation indicating that a target has been exposed to a hazardous substance released from the site?	☐	☐	☒
5. Is the release of a naturally occurring substance in its unaltered form, or is it altered solely through naturally occurring processes or phenomena, from a location where it is naturally found?	☐	☒	☐
6. Is the release from products which are part of the structure of, and result in exposure within, residential buildings or business or community structures?	☐	☒	☐
7. If there has been a release into a public or private drinking water supply, is it due to deterioration of the system through ordinary use?	☐	☒	☐
8. Are the hazardous substances possibly released at the site, or is the release itself, excluded from being addressed under CERCLA?	☐	☒	☐
9. Is the site being addressed under RCRA corrective action or by the Nuclear Regulatory Commission?	☐	☒	☐
10. Is another federal, state, tribe or local government environmental cleanup program other than site assessment actively involved with the site (e.g., state voluntary cleanup program)?	☒	☐	☐
11. Is there sufficient documentation or evidence that demonstrates there is no likelihood of a significant release that could cause adverse environmental or human health impacts?	☐	☒	☐
12. Are there other site-specific situations or factors that warrant further CERCLA remedial/integrated assessment or response?	☐	☒	☐

Preparer's Recommendation: [redacted]

PCS Summary and Decision Rationale

Use this section to summarize PCS findings and support the decision to add or not add the site to the Superfund active site inventory for further investigation. Information does not need to be specific but, where known, can include key factors such as source and waste characteristics (e.g., drums, contaminated soil); evidence of release or potential release; threatened targets (e.g., drinking water wells); key sampling results (if available); CERCLA eligibility; involvement of other cleanup programs; and other supporting factors. Attach additional pages as necessary.

Morris Dry Cleaners is an active dry cleaning facility and a generator of hazardous waste (Handler ID No. NYD068270917). The facility is designated under the RCRA as a CESQG. Available records indicate that hazardous waste generated at the facility includes ignitable waste (D001), chromium (D007), PCE (D039), and spent halogenated solvents (F002).

In January 2016, NYSDEC received an odor complaint regarding exhaust from the Morris Dry Cleaners facility. The caller noted that exhaust from the dry cleaner was entering apartment and lobby windows at a nearby apartment building. The case was referred to the NYSDEC Air Resources Group. Although the facility has received NOVs

Scott T. Snyder, CHMM	EPA contractor	07/08/2020
Checklist Preparer Name	**Checklist Preparer Organization**	**Date**

EPA Regional Review and Pre-CERCLA Screening Decision

[redacted]

Optional - Print name of EPA Site Assessor making this decision: _____

EPA Regional Approval: (Enter Date and then click this box to initiate digital signature stamp) _____ **Date** _____

Site Description

(All text as entered on page A-2)

Morris Dry Cleaners is an active dry cleaning facility and a generator of hazardous waste (Handler ID No. NYD068270917). The facility is designated under the Resource Conservation and Recovery Act (RCRA) as a Conditionally Exempt Small Quantity Generator (CESQG). Available records indicate that hazardous waste generated at the facility includes ignitable waste (D001), chromium (D007), tetrachloroethylene (PCE) (D039), and spent halogenated solvents (F002).

In January 2016, the New York State Department of Environmental Conservation (NYSDEC) received an odor complaint regarding exhaust from the Morris Dry Cleaners facility. The caller noted that exhaust from the dry cleaner was entering apartment and lobby windows at a nearby apartment building. The case was referred to the NYSDEC Air Resources Group. Although the facility has received Notices of Violation (NOV) resulting in informal administrative enforcement actions, there is no record documenting a release to the subsurface or environmental investigations at the facility.

PCS Summary and Decision Rationale

(All text as entered on page A-4)

Morris Dry Cleaners is an active dry cleaning facility and a generator of hazardous waste (Handler ID No. NYD068270917). The facility is designated under the RCRA as a CESQG. Available records indicate that hazardous waste generated at the facility includes ignitable waste (D001), chromium (D007), PCE (D039), and spent halogenated solvents (F002).

In January 2016, NYSDEC received an odor complaint regarding exhaust from the Morris Dry Cleaners facility. The caller noted that exhaust from the dry cleaner was entering apartment and lobby windows at a nearby apartment building. The case was referred to the NYSDEC Air Resources Group. Although the facility has received NOVs resulting in informal administrative enforcement actions, there is no record of a release or environmental investigations at the facility.

[redacted]

Pre-CERCLA Screening Checklist/Decision Form

This form is used in conjunction with a site map and any additional information required by the EPA Region to document completion of a Pre-CERCLA Screening (PCS). The form includes a decision on whether a site should be added to the Superfund program's active site inventory for further investigation. This checklist replaces Attachment A in the December 2016 PCS Guidance document. A current version of the PCS checklist and additional information is available at: https://www.epa.gov/superfund/pre-cercla-screening.

Region: 2 **State/Territory:** NY **Tribe:** _____ _____
EPA ID No. (If Available)

Site Name: New York Aquarium / Surf Avenue Plume Trackdown

Other Site Name(s): _____

Site Location: 801-803 Surf Avenue
(Street)

8 (Congressional District) | Brooklyn (City) | NY (State/Terr.) | _____ (County) | 11224 – _____ (Zip+4) | ☐ (No Zip Available)

If no street address is available: _____ (Township-Range) _____ (Section)

Checklist Preparer:
Scott T. Snyder (Name / Title) 07/07/2020 (Date)
Weston Solutions, Inc. (Organization) (732) 417-5828 (Phone)
205 Campus Drive (Street) s.snyder@westonsolutions.com e-Mail
Edison (City) | NJ (State/Terr.) | _____ (County) | 08837- _____ (Zip+4)

Site Contact Info/Mailing Address: NYC Department of Transportation, Office of City Scape and Franchises
New York, NY 10041

CERCLA 105d Petition for Preliminary Assessment? No **If Yes, Petition Date (mm/dd/yyyy):** _____

RCRA Subtitle C Site Status: Is site in RCRA Info? No **If Yes, RCRA Info Handler ID #:** _____

Ownership Type: State Owned **Additional RCRA Info ID #(s):** _____

Site Type: Other **State ID #(s):** _____

Site Sub-Type: Ground water plume site with no identifia **Other ID #(s):** _____

Federal Facility? No **Federal Facility Owner:** (Make selection)

Formerly Used Defense Site (FUDS)? No

Federal Facility Docket? No **If Yes, FF Docket Listing Date (mm/dd/yyyy):** _____

Federal Facility Docket Reporting Mechanism: (Make selection)

Native American Interest? No **If Yes, list Tribe:** _____

Additional Tribe (s): (Make Selection)

Additional Tribe (s): (Make Selection)

Site Description

Use this section to briefly describe site background and conditions if known or (easily) available, such as: operational history; physical setting and land use; site surface description, soils, geology and hydrogeology; source and waste characteristics; hazardous substances/contaminants of concern; historical releases, previous investigations and cleanup activities; previous regulatory actions, including permitting and enforcement actions; institutional controls; and community interest.

In September 2006, a small amount of oil was observed to be seeping into a pool exhibit at the New York Aquarium through a crack in the bottom of the pool. Monitoring wells were installed as part of the petroleum source investigation. In 2007, groundwater samples showed the presence of chlorinated solvents unrelated to the petroleum release, including trichloroethylene (TCE) and dichloroethylene (DCE). Quarterly groundwater sampling showed increasing TCE and DCE concentrations in three wells in 2008. In response to the groundwater results, the New York State Department of Environmental Conservation (NYSDEC) required additional sampling of the monitoring wells and a Phase I Environmental Site Assessment of the surrounding area to identify possible on- and off-site sources of the chlorinated solvents. Groundwater sampling in 2009 also showed the presence of 1,1,1-trichloroethane (1,1,1-TCA) and 1,1-dichloroethane (1,1-DCA), as well as acetone, phenol, and phthalates. As the chlorinated solvents were not related to aquarium operations, the Phase I was not initiated. In 2011, NYSDEC

Geospatial Information

Latitude: 40.574212° **Longitude:** -73.974879°

Decimal Degree North (e.g., 38.859156) Decimal Degree West (e.g., 77.036783)

Provide 4 significant digits at a minimum, more if your collection method generates them.

Except for certain territories in the Pacific Ocean, all sites in U.S. states and territories are located within the northern and western hemispheres and will have a positive latitude sign and negative longitude sign. Coordinate signs displayed above are based on the State/Territory entry on page A-1. Geospatial data tips from the PCS Guidance document are available **here.**

Point Description: Select the option below that best represents the site point for future reference and to distinguish it from any nearby sites. See additional information **here.**

- ☐ Geocoded (address-matched) Site Address
- ☐ Site Entrance (approximate center of curb-cut)
- ☐ Approximate Center of Site
- ☒ Other Distinguishing Site Feature (briefly describe):

Approximate center of NY Aquarium Marine Wildlife Facility

Point Collection Method: Check the method used to collect the coordinates above and enter the date of collection. See additional information **here.**

- ☐ Online Map Interpolation
- ☐ GPS (handheld, smartphone, other device or technology with accuracy range < 25 meters)
- ☐ GPS Other (accuracy range is ≥ 25 meters or unspecified)
- ☐ Address Matching: Urban
- ☐ Address Matching: Rural
- ☒ Other Method (briefly describe below):

Google Earth

Collection Date (mm/dd/yyyy): 07/07/2020

POINT-SELECTION CONSIDERATIONS

- Often the best point is a feature associated with the environmental release or that identifies the site visually.
- Use the curb cut of the entrance to the site if there is a clear primary entrance and it is a good identifier for the overall location.
- The approximate center of the site (a guess at the centroid) is useful for large-area sites or where there are no appropriate distinguishing features.
- Use the geocoded address if that is the only or best option available, but if possible use something more representative for sites larger than 50 acres.

Complete this checklist to help determine if a site should be added to the Superfund Active site inventory. See Section 3.6 of the PCS guidance for additional information.	YES	NO	Unknown
1. An initial search for the site in EPA's Superfund active, archive and non-site inventories should be performed prior to starting a PCS. Is this a new site that does not already exist in these site inventories?	☒	☐	☐
2. Is there evidence of an actual release or a potential to release?	☒	☐	☐
3. Are there possible targets that could be impacted by a release of contamination at the site?	☒	☐	☐
4. Is there documentation indicating that a target has been exposed to a hazardous substance released from the site?	☐	☐	☒
5. Is the release of a naturally occurring substance in its unaltered form, or is it altered solely through naturally occurring processes or phenomena, from a location where it is naturally found?	☐	☒	☐
6. Is the release from products which are part of the structure of, and result in exposure within, residential buildings or business or community structures?	☐	☒	☐
7. If there has been a release into a public or private drinking water supply, is it due to deterioration of the system through ordinary use?	☐	☒	☐
8. Are the hazardous substances possibly released at the site, or is the release itself, excluded from being addressed under CERCLA?	☐	☒	☐
9. Is the site being addressed under RCRA corrective action or by the Nuclear Regulatory Commission?	☐	☒	☐
10. Is another federal, state, tribe or local government environmental cleanup program other than site assessment actively involved with the site (e.g., state voluntary cleanup program)?	☒	☐	☐
11. Is there sufficient documentation or evidence that demonstrates there is no likelihood of a significant release that could cause adverse environmental or human health impacts?	☐	☒	☐
12. Are there other site-specific situations or factors that warrant further CERCLA remedial/integrated assessment or response?	☐	☒	☐

Preparer's Recommendation: [redacted]

Please explain recommendation below:

PCS Summary and Decision Rationale

Use this section to summarize PCS findings and support the decision to add or not add the site to the Superfund active site inventory for further investigation. Information does not need to be specific but, where known, can include key factors such as source and waste characteristics (e.g., drums, contaminated soil); evidence of release or potential release; threatened targets (e.g., drinking water wells); key sampling results (if available); CERCLA eligibility; involvement of other cleanup programs; and other supporting factors. Attach additional pages as necessary.

Monitoring wells installed as part of the petroleum source investigation at the New York Aquarium showed the presence of chlorinated solvents unrelated to the petroleum release, including TCE and DCE. Quarterly groundwater sampling showed increasing TCE and DCE concentrations in three wells in 2008. Groundwater sampling in 2009 also showed the presence of 1,1,1-TCA and 1,1-DCA, as well as acetone, phenol, and phthalates. As the chlorinated solvents are not related to aquarium operations, NYSDEC initiated plume trackdown activities in 2011.

Chlorinated solvents are not known to be contaminants of concern at Coney Island Creek, and the Surf Avenue Plume Trackdown groundwater plume is being addressed by NYSDEC. Therefore, the site is not recommended to

Scott T. Snyder, CHMM	EPA contractor	04/23/2020
Checklist Preparer Name	**Checklist Preparer Organization**	**Date**

EPA Regional Review and Pre-CERCLA Screening Decision

[redacted]

EPA Regional Approval: (Enter Date and then click this box to initiate digital signature stamp)

Date

Site Description

(All text as entered on page A-2)

In September 2006, a small amount of oil was observed to be seeping into a pool exhibit at the New York Aquarium through a crack in the bottom of the pool. Monitoring wells were installed as part of the petroleum source investigation. In 2007, groundwater samples showed the presence of chlorinated solvents unrelated to the petroleum release, including trichloroethylene (TCE) and dichloroethylene (DCE). Quarterly groundwater sampling showed increasing TCE and DCE concentrations in three wells in 2008. In response to the groundwater results, the New York State Department of Environmental Conservation (NYSDEC) required additional sampling of the monitoring wells and a Phase I Environmental Site Assessment of the surrounding area to identify possible on- and off-site sources of the chlorinated solvents. Groundwater sampling in 2009 also showed the presence of 1,1,1-trichloroethane (1,1,1-TCA) and 1,1-dichloroethane (1,1-DCA), as well as acetone, phenol, and phthalates. As the chlorinated solvents were not related to aquarium operations, the Phase I was not initiated. In 2011, NYSDEC initiated plume trackdown activities. Available environmental database records do not indicate if any further action was taken after 2011.

PCS Summary and Decision Rationale

(All text as entered on page A-4)

Monitoring wells installed as part of the petroleum source investigation at the New York Aquarium showed the presence of chlorinated solvents unrelated to the petroleum release, including TCE and DCE. Quarterly groundwater sampling showed increasing TCE and DCE concentrations in three wells in 2008. Groundwater sampling in 2009 also showed the presence of 1,1,1-TCA and 1,1-DCA, as well as acetone, phenol, and phthalates. As the chlorinated solvents are not related to aquarium operations, NYSDEC initiated plume trackdown activities in 2011.

[redacted]

Pre-CERCLA Screening Checklist/Decision Form

This form is used in conjunction with a site map and any additional information required by the EPA Region to document completion of a Pre-CERCLA Screening (PCS). The form includes a decision on whether a site should be added to the Superfund program's active site inventory for further investigation. This checklist replaces Attachment A in the December 2016 PCS Guidance document. A current version of the PCS checklist and additional information is available at: https://www.epa.gov/superfund/pre-cercla-screening.

Region: 2 **State/Territory:** NY **Tribe:** _____ **EPA ID No. (If Available)**

Site Name: T & J Auto Salvage

Other Site Name(s): _____

Site Location: 2647 Stillwell Ave. (Street)

11 (Congressional District) Brooklyn (City) NY (State/Terr.) _____ (County) 11223 (Zip+4) ☐ (No Zip Available)

If no street address is available: _____ (Township-Range) _____ (Section)

Checklist Preparer:

Scott T. Snyder (Name / Title) 06/25/2020 (Date)

Weston Solutions, Inc. (Organization) (732) 417-5828 (Phone)

205 Campus Drive (Street) s.snyder@westonsolutions.com e-Mail

Edison (City) NJ (State/Terr.) _____ (County) 08837- (Zip+4)

Site Contact Info/Mailing Address: Owner: First American Title Insurance Company of America; Operator: T & J Auto Salvage, 2647 Stillwell Ave., Brooklyn, NY 11223, (718) 946-6200

CERCLA 105d Petition for Preliminary Assessment? No **If Yes, Petition Date (mm/dd/yyyy):** _____

RCRA Subtitle C Site Status: Is site in RCRA Info? No **If Yes, RCRA Info Handler ID #:** _____

Ownership Type: Private **Additional RCRA Info ID #(s):** _____

Site Type: Other **State ID #(s):** _____

Site Sub-Type: Product storage/distribution **Other ID #(s):** _____

Federal Facility? No **Federal Facility Owner:** (Make selection)

Formerly Used Defense Site (FUDS)? No

Federal Facility Docket? No **If Yes, FF Docket Listing Date (mm/dd/yyyy):** _____

Federal Facility Docket Reporting Mechanism: (Make selection)

Native American Interest? No **If Yes, list Tribe:** _____

Additional Tribe (s): (Make Selection)

Additional Tribe (s): (Make Selection)

Site Description

Use this section to briefly describe site background and conditions if known or (easily) available, such as: operational history; physical setting and land use; site surface description, soils, geology and hydrogeology; source and waste characteristics; hazardous substances/contaminants of concern; historical releases, previous investigations and cleanup activities; previous regulatory actions, including permitting and enforcement actions; institutional controls; and community interest.

T & J Auto Salvage (T & J) is a supplier of used auto parts that has operated on the north bank of Coney Island Creek since 1980. The facility discharges stormwater to Coney Island Creek under National Pollutant Discharge Elimination System (NPDES) Permit No. NYR00D555, which expires in February 2023. EPA's ECHO on-line database notes the facility was cited for violations of the NPDES permit for late submittal or failure to submit Discharge Monitoring Reports (DMR) in 2017, 2018, and 2019.

Based on review of aerial imagery, the facility is comprised of an office consisting of conjoined Conex boxes, various garages, and open air sheds. Junker automobiles are stored in the northern portion of the property. The southern portion of the property appears to be used for the storage of concrete mixing trucks and large diameter concrete piping. The property is bound to the north by the Belt parkway; to the east by Metro Transit Authority (MTA) railroad

Geospatial Information

Latitude: 40.582719° **Longitude:** -73.981736°

Decimal Degree North (e.g., 38.859156) **Decimal Degree West (e.g., 77.036783)**

Provide 4 significant digits at a minimum, more if your collection method generates them.

Except for certain territories in the Pacific Ocean, all sites in U.S. states and territories are located within the northern and western hemispheres and will have a positive latitude sign and negative longitude sign. Coordinate signs displayed above are based on the State/Territory entry on page A-1. Geospatial data tips from the PCS Guidance document are available **here.**

Point Description: Select the option below that best represents the site point for future reference and to distinguish it from any nearby sites. See additional information **here.**

- ☐ Geocoded (address-matched) Site Address
- ☐ Site Entrance (approximate center of curb-cut)
- ☒ Approximate Center of Site
- ☐ Other Distinguishing Site Feature (briefly describe):

Point Collection Method: Check the method used to collect the coordinates above and enter the date of collection. See additional information **here.**

- ☐ Online Map Interpolation
- ☐ GPS (handheld, smartphone, other device or technology with accuracy range < 25 meters)
- ☐ GPS Other (accuracy range is ≥ 25 meters or unspecified)
- ☐ Address Matching: Urban
- ☐ Address Matching: Rural
- ☒ Other Method (briefly describe below):

Google Earth

Collection Date (mm/dd/yyyy): 06/25/2020

POINT-SELECTION CONSIDERATIONS

- Often the best point is a feature associated with the environmental release or that identifies the site visually.
- Use the curb cut of the entrance to the site if there is a clear primary entrance and it is a good identifier for the overall location.
- The approximate center of the site (a guess at the centroid) is useful for large-area sites or where there are no appropriate distinguishing features.
- Use the geocoded address if that is the only or best option available, but if possible use something more representative for sites larger than 50 acres.

Complete this checklist to help determine if a site should be added to the Superfund Active site inventory. See Section 3.6 of the PCS guidance for additional information.	YES	NO	Unknown
1. An initial search for the site in EPA's Superfund active, archive and non-site inventories should be performed prior to starting a PCS. Is this a new site that does not already exist in these site inventories?	☒	☐	☐
2. Is there evidence of an actual release or a potential to release?	☐	☐	☒
3. Are there possible targets that could be impacted by a release of contamination at the site?	☒	☐	☐
4. Is there documentation indicating that a target has been exposed to a hazardous substance released from the site?	☐	☐	☒
5. Is the release of a naturally occurring substance in its unaltered form, or is it altered solely through naturally occurring processes or phenomena, from a location where it is naturally found?	☐	☒	☐
6. Is the release from products which are part of the structure of, and result in exposure within, residential buildings or business or community structures?	☐	☒	☐
7. If there has been a release into a public or private drinking water supply, is it due to deterioration of the system through ordinary use?	☐	☒	☐
8. Are the hazardous substances possibly released at the site, or is the release itself, excluded from being addressed under CERCLA?	☐	☐	☒
9. Is the site being addressed under RCRA corrective action or by the Nuclear Regulatory Commission?	☐	☒	☐
10. Is another federal, state, tribe or local government environmental cleanup program other than site assessment actively involved with the site (e.g., state voluntary cleanup program)?	☐	☒	☐
11. Is there sufficient documentation or evidence that demonstrates there is no likelihood of a significant release that could cause adverse environmental or human health impacts?	☐	☒	☐
12. Are there other site-specific situations or factors that warrant further CERCLA remedial/integrated assessment or response?	☐	☒	☐

Preparer's Recommendation: [redacted]

PCS Summary and Decision Rationale

Use this section to summarize PCS findings and support the decision to add or not add the site to the Superfund active site inventory for further investigation. Information does not need to be specific but, where known, can include key factors such as source and waste characteristics (e.g., drums, contaminated soil); evidence of release or potential release; threatened targets (e.g., drinking water wells); key sampling results (if available); CERCLA eligibility; involvement of other cleanup programs; and other supporting factors. Attach additional pages as necessary.

T & J is a used auto parts and junker automobile storage facility located directly on the north bank of Coney Island Creek. A review of aerial imagery indicates that junker automobiles and scrap are stored on concrete without run-on or runoff control measures. Moderate to severe staining is evident near the facility's scale and garage area in the center of the property. The facility discharges stormwater to Coney Island Creek under a NPDES permit.

NYSDEC has inspected the facility on several occasions. Observations indicated that there have been multiple discharges of automotive waste fluids identified throughout the property and an impact to Coney Island Creek is suspected. The facility has been the subject of a joint investigation by the NYPD and NYSDEC's DLE. In August

Scott T. Snyder, CHMM	EPA contractor	06/25/2020
Checklist Preparer Name	**Checklist Preparer Organization**	**Date**

EPA Regional Review and Pre-CERCLA Screening Decision

[redacted]

Optional - Print name of EPA Site Assessor making this decision: _____

EPA Regional Approval: (Enter Date and then click this box to initiate digital signature stamp) _____ **Date** _____

Site Description

(All text as entered on page A-2)

T & J Auto Salvage (T & J) is a supplier of used auto parts that has operated on the north bank of Coney Island Creek since 1980. The facility discharges stormwater to Coney Island Creek under National Pollutant Discharge Elimination System (NPDES) Permit No. NYR00D555, which expires in February 2023. EPA's ECHO on-line database notes the facility was cited for violations of the NPDES permit for late submittal or failure to submit Discharge Monitoring Reports (DMR) in 2017, 2018, and 2019.

Based on review of aerial imagery, the facility is comprised of an office consisting of conjoined Conex boxes, various garages, and open air sheds. Junker automobiles are stored in the northern portion of the property. The southern portion of the property appears to be used for the storage of concrete mixing trucks and large diameter concrete piping. The property is bound to the north by the Belt parkway; to the east by Metro Transit Authority (MTA) railroad tracks; to the south by Coney Island Creek; and to the west by Stillwell Avenue and Coney Island Creek beyond. The facility appears to be paved with concrete. Junker automobiles are stored on the concrete without secondary containment or run-on/runoff control measures. Moderate to severe staining is evident near the facility's scale and garage area in the center of the property. An overland path to surface water cannot be discerned as a strip of trees and shrubs lines the bank of the creek obscuring a view of the ground surface.

A search of New York State environmental databases indicates that the New York State Department of Environmental Conservation (NYSDEC) has inspected the facility on several occasions. Observations indicated that there have been multiple discharges of automotive waste fluids identified throughout the property and an impact to Coney Island Creek is suspected. The facility has been the subject of a joint investigation by the New York Police Department (NYPD) and NYSDEC's Division of Law Enforcement (DLE). In August 2003, during execution of a search warrant, NYSDEC noted spills and free product on standing water. In October 2004, T & J performed a subsurface investigation at the site under NYSDEC oversight. Nineteen soil samples were collected from 17 direct-push boreholes advanced to 10 feet below ground surface. One groundwater sample was collected from each of two boreholes. The subsurface beneath the site was characterized by construction debris and ash. According to T & J's contractor's report, with the exception of one soil sample collected near where fluids are drained from engines, no contamination was detected in soil or groundwater. Xylene (23,000 parts per billion [ppb]) and ethylbenzene (3,120 ppb) were detected in soil at the one location at a depth of 0 to 1 foot in an area covered with an 8-inch-thick concrete slab. However, NYSDEC noted several deficiencies with T & J's contractor's sampling procedures, including a non-working photoionization detector (PID), samples not kept on ice in a cooler, cross-contamination of samples by sampler (field knife), and direct-push sleeves left cut open for long periods prior to sample collection. This environmental investigation did not evaluate the site's impact to Coney Island Creek.

PCS Summary and Decision Rationale

(All text as entered on page A-4)

T & J is a used auto parts and junker automobile storage facility located directly on the north bank of Coney Island Creek. A review of aerial imagery indicates that junker automobiles and scrap are stored on concrete without run-on or runoff control measures. Moderate to severe staining is evident near the facility's scale and garage area in the center of the property. The facility discharges stormwater to Coney Island Creek under a NPDES permit.

NYSDEC has inspected the facility on several occasions. Observations indicated that there have been multiple discharges of automotive waste fluids identified throughout the property and an impact to Coney Island Creek is suspected. The facility has been the subject of a joint investigation by the NYPD and NYSDEC's DLE. In August 2003, during execution of a search warrant, NYSDEC noted spills and free product on standing water. In October 2004, T & J performed a subsurface investigation at the site under NYSDEC oversight. According to T & J's contractor's report, with the exception of one soil sample collected near where fluids are drained from engines, no contamination was detected in soil or groundwater. However, NYSDEC noted several deficiencies with T & J's contractor's sampling procedures.

Coney Island Creek is utilized for a variety of recreational activities, including boating and birding. Four city parks are located adjacent to the western portion of the creek near the mouth at Gravesend Bay, with a combined 1.1 miles of shoreline of varying accessibility. Although not an officially sanctioned use of the creek, primary contact in the form of swimming and baptisms have been reported along the sandy southwestern shoreline of the creek near Gravesend Bay. Although the presence of chemical and biological contamination in the creek is well known, Coney Island Creek is fished for human consumption. Species of fish caught for consumption include mullet, porgy, striped bass, fluke, and bluefish. There is one permanent residence situated directly on the creek shoreline, as well as multiple encampments populated by homeless people. Sensitive environments subject to potential contamination along the 15-mile surface water pathway include habitat known to be used by three Federal-designated and six State-designated threatened or endangered species, approximately 62 miles of wetland frontage, the New York-New Jersey Harbor Estuary, and the Gateway National Recreation Area.



Pre-CERCLA Screening Checklist/Decision Form

This form is used in conjunction with a site map and any additional information required by the EPA Region to document completion of a Pre-CERCLA Screening (PCS). The form includes a decision on whether a site should be added to the Superfund program's active site inventory for further investigation. This checklist replaces Attachment A in the December 2016 PCS Guidance document. A current version of the PCS checklist and additional information is available at: https://www.epa.gov/superfund/pre-cercla-screening.

Region: 2 **State/Territory:** NY **Tribe:** _____ **EPA ID No. (If Available)**

Site Name: Tops Appliance City

Other Site Name(s): 1525 - 1535 Hart Place

Site Location: 1525-1535 Hart Place (Street)

8 (Congressional District) Brooklyn (City) NY (State/Terr.) _____ (County) 11224 (Zip+4) ☐ (No Zip Available)

If no street address is available: _____ (Township-Range) _____ (Section)

Checklist Preparer:

Scott T. Snyder (Name / Title) 07/07/2020 (Date)

Weston Solutions, Inc. (Organization) (732) 417-5828 (Phone)

205 Campus Drive (Street) s.snyder@westonsolutions.com e-Mail

Edison (City) NJ (State/Terr.) _____ (County) 08837- (Zip+4)

Site Contact Info/Mailing Address: 3035 Cropsey Avenue, LLC
7248 Morgan Road, Liverpool, NY 13088

CERCLA 105d Petition for Preliminary Assessment? No **If Yes, Petition Date (mm/dd/yyyy):** _____

RCRA Subtitle C Site Status: Is site in RCRA Info? No **If Yes, RCRA Info Handler ID #:** _____

Ownership Type: Private **Additional RCRA Info ID #(s):** _____

Site Type: Other **State ID #(s):** _____

Site Sub-Type: Retail/commercial **Other ID #(s):** _____

Federal Facility? No **Federal Facility Owner:** (Make selection)

Formerly Used Defense Site (FUDS)? No

Federal Facility Docket? No **If Yes, FF Docket Listing Date (mm/dd/yyyy):** _____

Federal Facility Docket Reporting Mechanism: (Make selection)

Native American Interest? No **If Yes, list Tribe:** _____

Additional Tribe (s): (Make Selection)

Additional Tribe (s): (Make Selection)

Site Description

Use this section to briefly describe site background and conditions if known or (easily) available, such as: operational history; physical setting and land use; site surface description, soils, geology and hydrogeology; source and waste characteristics; hazardous substances/contaminants of concern; historical releases, previous investigations and cleanup activities; previous regulatory actions, including permitting and enforcement actions; institutional controls; and community interest.

The site consists of two adjoining lots totaling 2.4 acres and is currently occupied by retail establishments and a parking lot. The property was formerly occupied by a warehouse. The site is located directly on the south bank of Coney Island Creek and adjacent to the Cropsey Avenue Bridge. The surrounding land uses are manufacturing and commercial, with residential areas to the east and south.

Available background information indicates contamination at the site was addressed under the New York State Department of Environmental Conservation (NYSDEC) Voluntary Cleanup Program (Site Code: V00250) and the State Superfund Program (Site Code: 224041). Information submitted by the responsible party with a Brownfields Cleanup Program (BCP) application regarding the environmental conditions at the site included a Phase I Environmental Assessment (ESA) (1995), Phase II ESA (1996), Letter Report of Asbestos Screening, floor drain

Geospatial Information

Latitude: 40.581649° **Longitude:** -73.985048°

Decimal Degree North (e.g., 38.859156) **Decimal Degree West (e.g., 77.036783)**

Provide 4 significant digits at a minimum, more if your collection method generates them.

Except for certain territories in the Pacific Ocean, all sites in U.S. states and territories are located within the northern and western hemispheres and will have a positive latitude sign and negative longitude sign. Coordinate signs displayed above are based on the State/Territory entry on page A-1. Geospatial data tips from the PCS Guidance document are available **here.**

Point Description: Select the option below that best represents the site point for future reference and to distinguish it from any nearby sites. See additional information **here.**

- ☐ Geocoded (address-matched) Site Address
- ☐ Site Entrance (approximate center of curb-cut)
- ☒ Approximate Center of Site
- ☐ Other Distinguishing Site Feature (briefly describe):

Point Collection Method: Check the method used to collect the coordinates above and enter the date of collection. See additional information **here.**

- ☐ Online Map Interpolation
- ☐ GPS (handheld, smartphone, other device or technology with accuracy range < 25 meters)
- ☐ GPS Other (accuracy range is ≥ 25 meters or unspecified)
- ☐ Address Matching: Urban
- ☐ Address Matching: Rural
- ☒ Other Method (briefly describe below):

Google Earth

Collection Date (mm/dd/yyyy): 07/14/2020

POINT-SELECTION CONSIDERATIONS

- Often the best point is a feature associated with the environmental release or that identifies the site visually.
- Use the curb cut of the entrance to the site if there is a clear primary entrance and it is a good identifier for the overall location.
- The approximate center of the site (a guess at the centroid) is useful for large-area sites or where there are no appropriate distinguishing features.
- Use the geocoded address if that is the only or best option available, but if possible use something more representative for sites larger than 50 acres.

Complete this checklist to help determine if a site should be added to the Superfund Active site inventory. See Section 3.6 of the PCS guidance for additional information.	YES	NO	Unknown
1. An initial search for the site in EPA's Superfund active, archive and non-site inventories should be performed prior to starting a PCS. Is this a new site that does not already exist in these site inventories?	☒	☐	☐
2. Is there evidence of an actual release or a potential to release?	☐	☐	☒
3. Are there possible targets that could be impacted by a release of contamination at the site?	☒	☐	☐
4. Is there documentation indicating that a target has been exposed to a hazardous substance released from the site?	☐	☐	☒
5. Is the release of a naturally occurring substance in its unaltered form, or is it altered solely through naturally occurring processes or phenomena, from a location where it is naturally found?	☐	☒	☐
6. Is the release from products which are part of the structure of, and result in exposure within, residential buildings or business or community structures?	☐	☒	☐
7. If there has been a release into a public or private drinking water supply, is it due to deterioration of the system through ordinary use?	☐	☒	☐
8. Are the hazardous substances possibly released at the site, or is the release itself, excluded from being addressed under CERCLA?	☐	☒	☐
9. Is the site being addressed under RCRA corrective action or by the Nuclear Regulatory Commission?	☐	☒	☐
10. Is another federal, state, tribe or local government environmental cleanup program other than site assessment actively involved with the site (e.g., state voluntary cleanup program)?	☒	☐	☐
11. Is there sufficient documentation or evidence that demonstrates there is no likelihood of a significant release that could cause adverse environmental or human health impacts?	☐	☒	☐
12. Are there other site-specific situations or factors that warrant further CERCLA remedial/integrated assessment or response?	☐	☒	☐

Preparer's Recommendation: [redacted]

PCS Summary and Decision Rationale

Use this section to summarize PCS findings and support the decision to add or not add the site to the Superfund active site inventory for further investigation. Information does not need to be specific but, where known, can include key factors such as source and waste characteristics (e.g., drums, contaminated soil); evidence of release or potential release; threatened targets (e.g., drinking water wells); key sampling results (if available); CERCLA eligibility; involvement of other cleanup programs; and other supporting factors. Attach additional pages as necessary.

Available background information indicates contamination at the site was addressed under the NYSDEC Voluntary Cleanup Program (Site Code: V00250) and the State Superfund Program (Site Code: 224041). Various reports submitted by the responsible party describe soil at the site contaminated with SVOCs and metals. The soil contamination was found to be located within the urban fill layer which covers the site from 5 to 12 feet below grade. NYSDEC determined that the site was not eligible for the BCP as it was remediated prior to submittal of the application.

As contamination at the site was related to urban fill material found in the site area and remediated under NYSDEC

Scott T. Snyder, CHMM	EPA contractor	04/23/2020
Checklist Preparer Name	**Checklist Preparer Organization**	**Date**

EPA Regional Review and Pre-CERCLA Screening Decision

[redacted]

Optional - Print name of EPA Site Assessor making this decision: _____

EPA Regional Approval: (Enter Date and then click this box to initiate digital signature stamp) _____ **Date** _____

Site Description

(All text as entered on page A-2)

The site consists of two adjoining lots totaling 2.4 acres and is currently occupied by retail establishments and a parking lot. The property was formerly occupied by a warehouse. The site is located directly on the south bank of Coney Island Creek and adjacent to the Cropsey Avenue Bridge. The surrounding land uses are manufacturing and commercial, with residential areas to the east and south.

Available background information indicates contamination at the site was addressed under the New York State Department of Environmental Conservation (NYSDEC) Voluntary Cleanup Program (Site Code: V00250) and the State Superfund Program (Site Code: 224041). Information submitted by the responsible party with a Brownfields Cleanup Program (BCP) application regarding the environmental conditions at the site included a Phase I Environmental Assessment (ESA) (1995), Phase II ESA (1996), Letter Report of Asbestos Screening, floor drain tracing results, soil and groundwater sample results (1999), a Remedial Action Report (2000), and a Tank Closure Report (2004). These reports describe soil at the site contaminated with semivolatile organic compounds (SVOC) and metals. The soil contamination was found to be located within the urban fill layer which covers the site from 5 to 12 feet below grade. SVOCs detected include benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i) perylene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene. Metals included arsenic, lead, and mercury. These contaminant levels were at marginal exceedances above NYSDEC Recommended Soil Cleanup Objectives (RSCOs) and were determined to likely be related to the urban fill material in the site area. Groundwater sampling results revealed the pesticide 4',4'-DDT and metals above groundwater standards. After review, NYSDEC determined that the site was not eligible for the BCP, as the site had already been developed and remediation occurred prior to submittal of the application.

PCS Summary and Decision Rationale

(All text as entered on page A-4)

Available background information indicates contamination at the site was addressed under the NYSDEC Voluntary Cleanup Program (Site Code: V00250) and the State Superfund Program (Site Code: 224041). Various reports submitted by the responsible party describe soil at the site contaminated with SVOCs and metals. The soil contamination was found to be located within the urban fill layer which covers the site from 5 to 12 feet below grade. NYSDEC determined that the site was not eligible for the BCP as it was remediated prior to submittal of the application.



Pre-CERCLA Screening Checklist/Decision Form

This form is used in conjunction with a site map and any additional information required by the EPA Region to document completion of a Pre-CERCLA Screening (PCS). The form includes a decision on whether a site should be added to the Superfund program's active site inventory for further investigation. This checklist replaces Attachment A in the December 2016 PCS Guidance document. A current version of the PCS checklist and additional information is available at: https://www.epa.gov/superfund/pre-cercla-screening.

Region: 2 **State/Territory:** NY **Tribe:** _____ _____
EPA ID No. (If Available)

Site Name: Vacant Commercial Property - OER

Other Site Name(s): _____

Site Location: 166 Kings Highway
(Street)

10 (Congressional District) Brooklyn (City) NY (State/Terr.) _____ (County) 11223 (Zip+4) – _____ ☐ (No Zip Available)

If no street address is available: _____ (Township-Range) _____ (Section)

Checklist Preparer:
Scott T. Snyder (Name / Title) 07/08/2020 (Date)
Weston Solutions, Inc. (Organization) (732) 417-5828 (Phone)
205 Campus Drive (Street) s.snyder@westonsolutions.com e-Mail
Edison (City) NJ (State/Terr.) _____ (County) 08837- _____ (Zip+4)

Site Contact Info/Mailing Address: First American Title Insurance Company
666 3rd Avenue, New York, NY 10017

CERCLA 105d Petition for Preliminary Assessment? No **If Yes, Petition Date (mm/dd/yyyy):** _____

RCRA Subtitle C Site Status: Is site in RCRA Info? No **If Yes, RCRA Info Handler ID #:** _____

Ownership Type: Private **Additional RCRA Info ID #(s):** _____

Site Type: Other **State ID #(s):** _____

Site Sub-Type: Other (Enter Sub-type): Vacant **Other ID #(s):** _____

Federal Facility? No **Federal Facility Owner:** (Make selection)

Formerly Used Defense Site (FUDS)? No

Federal Facility Docket? No **If Yes, FF Docket Listing Date (mm/dd/yyyy):** _____

Federal Facility Docket Reporting Mechanism: (Make selection)

Native American Interest? No **If Yes, list Tribe:** _____

Additional Tribe (s): (Make Selection)

Additional Tribe (s): (Make Selection)

Site Description

Use this section to briefly describe site background and conditions if known or (easily) available, such as: operational history; physical setting and land use; site surface description, soils, geology and hydrogeology; source and waste characteristics; hazardous substances/contaminants of concern; historical releases, previous investigations and cleanup activities; previous regulatory actions, including permitting and enforcement actions; institutional controls; and community interest.

The Vacant Commercial Property - OER site is currently a vacant lot that was historically occupied by a car wash, a car rental service that included vehicle repair, and a diner. A prospective buyer for the site performed Phase I and Phase II Environmental Site Assessments (ESA) as the site, which was intended to be redeveloped into a school. The Phase I ESA revealed that tanks existed on the northwestern portion of the property. According to Sanborn Fire Insurance Maps, there were four underground storage tanks (UST) on the property expected to have held or hold gasoline or diesel. Subsurface investigations and demolition of the existing site building showed the presence of multiple USTs, petroleum contamination, and the presence of petroleum-related volatile organic compounds (VOC), such as BTEX (i.e., benzene, toluene, ethylbenzene, and xylene) compounds and methyl tertiary butyl ether (MTBE). Chlorinated VOCs, such as tetrachloroethylene (PCE), trichloroethylene (TCE), vinyl chloride, and carbon tetrachloride were also detected in the site's subsurface.

Geospatial Information

Latitude: 40.605554° (Decimal Degree North (e.g., 38.859156))

Longitude: -73.985360° (Decimal Degree West (e.g., 77.036783))

Provide 4 significant digits at a minimum, more if your collection method generates them.

Except for certain territories in the Pacific Ocean, all sites in U.S. states and territories are located within the northern and western hemispheres and will have a positive latitude sign and negative longitude sign. Coordinate signs displayed above are based on the State/Territory entry on page A-1. Geospatial data tips from the PCS Guidance document are available **here.**

Point Description: Select the option below that best represents the site point for future reference and to distinguish it from any nearby sites. See additional information **here.**

- ☐ Geocoded (address-matched) Site Address
- ☐ Site Entrance (approximate center of curb-cut)
- ☒ Approximate Center of Site
- ☐ Other Distinguishing Site Feature (briefly describe):

Point Collection Method: Check the method used to collect the coordinates above and enter the date of collection. See additional information **here.**

- ☐ Online Map Interpolation
- ☐ GPS (handheld, smartphone, other device or technology with accuracy range < 25 meters)
- ☐ GPS Other (accuracy range is ≥ 25 meters or unspecified)
- ☐ Address Matching: Urban
- ☐ Address Matching: Rural
- ☒ Other Method (briefly describe below):

Google Earth

Collection Date (mm/dd/yyyy): 07/08/2020

POINT-SELECTION CONSIDERATIONS

- Often the best point is a feature associated with the environmental release or that identifies the site visually.
- Use the curb cut of the entrance to the site if there is a clear primary entrance and it is a good identifier for the overall location.
- The approximate center of the site (a guess at the centroid) is useful for large-area sites or where there are no appropriate distinguishing features.
- Use the geocoded address if that is the only or best option available, but if possible use something more representative for sites larger than 50 acres.

Complete this checklist to help determine if a site should be added to the Superfund Active site inventory. See Section 3.6 of the PCS guidance for additional information.	YES	NO	Unknown
1. An initial search for the site in EPA's Superfund active, archive and non-site inventories should be performed prior to starting a PCS. Is this a new site that does not already exist in these site inventories?	☒	☐	☐
2. Is there evidence of an actual release or a potential to release?	☒	☐	☐
3. Are there possible targets that could be impacted by a release of contamination at the site?	☒	☐	☐
4. Is there documentation indicating that a target has been exposed to a hazardous substance released from the site?	☐	☐	☒
5. Is the release of a naturally occurring substance in its unaltered form, or is it altered solely through naturally occurring processes or phenomena, from a location where it is naturally found?	☐	☒	☐
6. Is the release from products which are part of the structure of, and result in exposure within, residential buildings or business or community structures?	☐	☒	☐
7. If there has been a release into a public or private drinking water supply, is it due to deterioration of the system through ordinary use?	☐	☒	☐
8. Are the hazardous substances possibly released at the site, or is the release itself, excluded from being addressed under CERCLA?	☐	☒	☐
9. Is the site being addressed under RCRA corrective action or by the Nuclear Regulatory Commission?	☐	☒	☐
10. Is another federal, state, tribe or local government environmental cleanup program other than site assessment actively involved with the site (e.g., state voluntary cleanup program)?	☒	☐	☐
11. Is there sufficient documentation or evidence that demonstrates there is no likelihood of a significant release that could cause adverse environmental or human health impacts?	☐	☒	☐
12. Are there other site-specific situations or factors that warrant further CERCLA remedial/integrated assessment or response?	☐	☒	☐

Preparer's Recommendation: [redacted]

PCS Summary and Decision Rationale

Use this section to summarize PCS findings and support the decision to add or not add the site to the Superfund active site inventory for further investigation. Information does not need to be specific but, where known, can include key factors such as source and waste characteristics (e.g., drums, contaminated soil); evidence of release or potential release; threatened targets (e.g., drinking water wells); key sampling results (if available); CERCLA eligibility; involvement of other cleanup programs; and other supporting factors. Attach additional pages as necessary.

The site is currently a vacant lot that was historically occupied by a car wash, a car rental service that included vehicle repair, and a diner. A prospective buyer for the site performed Phase I and Phase II ESAs as the site was intended to be redeveloped into a school. Subsurface investigation and demolition of the existing site building showed the presence of multiple USTs, petroleum contamination, and the presence of petroleum-related VOCs such as BTEX compounds and MTBE. Chlorinated VOCs, such as PCE, TCE, vinyl chloride, and carbon tetrachloride were also detected in the site's subsurface. The site developer initiated UST excavation and removal activities. Based on available background information, cleanup of the site was proceeding under NYSDEC and NYCOER oversight.

Scott T. Snyder, CHMM	EPA contractor	07/08/2020
Checklist Preparer Name	**Checklist Preparer Organization**	**Date**

EPA Regional Review and Pre-CERCLA Screening Decision

[redacted]

Optional - Print name of EPA Site Assessor making this decision: _____

EPA Regional Approval: (Enter Date and then click this box to initiate digital signature stamp) _____ **Date** _____

Site Description

(All text as entered on page A-2)

The Vacant Commercial Property - OER site is currently a vacant lot that was historically occupied by a car wash, a car rental service that included vehicle repair, and a diner. A prospective buyer for the site performed Phase I and Phase II Environmental Site Assessments (ESA) as the site, which was intended to be redeveloped into a school. The Phase I ESA revealed that tanks existed on the northwestern portion of the property. According to Sanborn Fire Insurance Maps, there were four underground storage tanks (UST) on the property expected to have held or hold gasoline or diesel. Subsurface investigations and demolition of the existing site building showed the presence of multiple USTs, petroleum contamination, and the presence of petroleum-related volatile organic compounds (VOC), such as BTEX (i.e., benzene, toluene, ethylbenzene, and xylene) compounds and methyl tertiary butyl ether (MTBE). Chlorinated VOCs, such as tetrachloroethylene (PCE), trichloroethylene (TCE), vinyl chloride, and carbon tetrachloride were also detected in the site's subsurface.

The site developer initiated UST excavation and removal activities. Based on available background information, cleanup of the site was proceeding under NYSDEC and New York City Office of Environmental Remediation (NYCOER) oversight.

PCS Summary and Decision Rationale

(All text as entered on page A-4)

The site is currently a vacant lot that was historically occupied by a car wash, a car rental service that included vehicle repair, and a diner. A prospective buyer for the site performed Phase I and Phase II ESAs as the site was intended to be redeveloped into a school. Subsurface investigation and demolition of the existing site building showed the presence of multiple USTs, petroleum contamination, and the presence of petroleum-related VOCs such as BTEX compounds and MTBE. Chlorinated VOCs, such as PCE, TCE, vinyl chloride, and carbon tetrachloride were also detected in the site's subsurface. The site developer initiated UST excavation and removal activities. Based on available background information, cleanup of the site was proceeding under NYSDEC and NYCOER oversight.



Pre-CERCLA Screening Checklist/Decision Form

This form is used in conjunction with a site map and any additional information required by the EPA Region to document completion of a Pre-CERCLA Screening (PCS). The form includes a decision on whether a site should be added to the Superfund program's active site inventory for further investigation. This checklist replaces Attachment A in the December 2016 PCS Guidance document. A current version of the PCS checklist and additional information is available at: https://www.epa.gov/superfund/pre-cercla-screening.

Region: 2 **State/Territory:** NY **Tribe:** NYD046147989 (EPA ID No. (If Available))

Site Name: Valentina Accessories Inc

Other Site Name(s): Brighton Cleaners

Site Location: 3140 Coney Island Avenue (Street)

8 (Congressional District) Brooklyn (City) NY (State/Terr.) (County) 11235 (Zip+4) ☐ (No Zip Available)

If no street address is available: (Township-Range) (Section)

Checklist Preparer:
Scott T. Snyder (Name / Title) 07/08/2020 (Date)
Weston Solutions, Inc. (Organization) (732) 417-5828 (Phone)
205 Campus Drive (Street) s.snyder@westonsolutions.com e-Mail
Edison (City) NJ (State/Terr.) (County) 08837- (Zip+4)

Site Contact Info/Mailing Address: Oleg Blinshteyn, 3140 Coney Island Realty, LLC
3061 Brighton 6th Street, Brooklyn, NY 11235

CERCLA 105d Petition for Preliminary Assessment? No **If Yes, Petition Date (mm/dd/yyyy):**

RCRA Subtitle C Site Status: Is site in RCRA Info? No **If Yes, RCRA Info Handler ID #:**

Ownership Type: Private **Additional RCRA Info ID #(s):**

Site Type: Other **State ID #(s):**

Site Sub-Type: Dry-Cleaning Operations **Other ID #(s):**

Federal Facility? No **Federal Facility Owner:** (Make selection)

Formerly Used Defense Site (FUDS)? No

Federal Facility Docket? No **If Yes, FF Docket Listing Date (mm/dd/yyyy):**

Federal Facility Docket Reporting Mechanism: (Make selection)

Native American Interest? No **If Yes, list Tribe:**

Additional Tribe (s): (Make Selection)

Additional Tribe (s): (Make Selection)

Site Description

Use this section to briefly describe site background and conditions if known or (easily) available, such as: operational history; physical setting and land use; site surface description, soils, geology and hydrogeology; source and waste characteristics; hazardous substances/contaminants of concern; historical releases, previous investigations and cleanup activities; previous regulatory actions, including permitting and enforcement actions; institutional controls; and community interest.

The Valentina Accessories Inc site is a former dry cleaner designated as a Very Small Quantity Generator (VSQG) (Handler ID No. NYD046147989) under the Resource Conservation and Recovery Act (RCRA). The facility also operated under the name Brighton Cleaners. Hazardous waste generated at the facility included tetrachloroethylene (PCE) (D039) and spent halogenated solvents (F002). Sanborn Fire Insurance Maps show cleaning and dying operations dating back to 1950. The site is currently occupied by a medical clinic.

Sampling at the site shows that PCE and its breakdown products were detected in soil, groundwater, and soil vapor. PCE was detected in groundwater at a maximum concentration of 340,000 parts per billion (ppb). PCE and TCE were also detected in soil vapor at or near the property boundary. The site was addressed under the State Brownfields Cleanup Program (Site Code: C224157A). Remediation was conducted under a January 2013 Consent Order with

Geospatial Information

Latitude: 40.579482° **Longitude:** -73.960061°

Decimal Degree North (e.g., 38.859156) **Decimal Degree West (e.g., 77.036783)**

Provide 4 significant digits at a minimum, more if your collection method generates them.

Except for certain territories in the Pacific Ocean, all sites in U.S. states and territories are located within the northern and western hemispheres and will have a positive latitude sign and negative longitude sign. Coordinate signs displayed above are based on the State/Territory entry on page A-1. Geospatial data tips from the PCS Guidance document are available **here.**

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- ☐ Geocoded (address-matched) Site Address
- ☐ Site Entrance (approximate center of curb-cut)
- ☒ Approximate Center of Site
- ☐ Other Distinguishing Site Feature (briefly describe):

Point Collection Method: Check the method used to collect the coordinates above and enter the date of collection. See additional information **here.**

- ☐ Online Map Interpolation
- ☐ GPS (handheld, smartphone, other device or technology with accuracy range < 25 meters)
- ☐ GPS Other (accuracy range is ≥ 25 meters or unspecified)
- ☐ Address Matching: Urban
- ☐ Address Matching: Rural
- ☒ Other Method (briefly describe below):

Google Earth

Collection Date (mm/dd/yyyy): 07/08/2020

POINT-SELECTION CONSIDERATIONS

- Often the best point is a feature associated with the environmental release or that identifies the site visually.
- Use the curb cut of the entrance to the site if there is a clear primary entrance and it is a good identifier for the overall location.
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- Use the geocoded address if that is the only or best option available, but if possible use something more representative for sites larger than 50 acres.

Complete this checklist to help determine if a site should be added to the Superfund Active site inventory. See Section 3.6 of the PCS guidance for additional information.	YES	NO	Unknown
1. An initial search for the site in EPA's Superfund active, archive and non-site inventories should be performed prior to starting a PCS. Is this a new site that does not already exist in these site inventories?	☒	☐	☐
2. Is there evidence of an actual release or a potential to release?	☒	☐	☐
3. Are there possible targets that could be impacted by a release of contamination at the site?	☒	☐	☐
4. Is there documentation indicating that a target has been exposed to a hazardous substance released from the site?	☐	☐	☒
5. Is the release of a naturally occurring substance in its unaltered form, or is it altered solely through naturally occurring processes or phenomena, from a location where it is naturally found?	☐	☒	☐
6. Is the release from products which are part of the structure of, and result in exposure within, residential buildings or business or community structures?	☐	☒	☐
7. If there has been a release into a public or private drinking water supply, is it due to deterioration of the system through ordinary use?	☐	☒	☐
8. Are the hazardous substances possibly released at the site, or is the release itself, excluded from being addressed under CERCLA?	☐	☒	☐
9. Is the site being addressed under RCRA corrective action or by the Nuclear Regulatory Commission?	☐	☒	☐
10. Is another federal, state, tribe or local government environmental cleanup program other than site assessment actively involved with the site (e.g., state voluntary cleanup program)?	☒	☐	☐
11. Is there sufficient documentation or evidence that demonstrates there is no likelihood of a significant release that could cause adverse environmental or human health impacts?	☐	☒	☐
12. Are there other site-specific situations or factors that warrant further CERCLA remedial/integrated assessment or response?	☐	☒	☐

Preparer's Recommendation: [redacted]

PCS Summary and Decision Rationale

Use this section to summarize PCS findings and support the decision to add or not add the site to the Superfund active site inventory for further investigation. Information does not need to be specific but, where known, can include key factors such as source and waste characteristics (e.g., drums, contaminated soil); evidence of release or potential release; threatened targets (e.g., drinking water wells); key sampling results (if available); CERCLA eligibility; involvement of other cleanup programs; and other supporting factors. Attach additional pages as necessary.

The site is a former dry cleaner that generated PCE (D039) and spent halogenated solvents (F002). PCE and its breakdown products were detected in soil, groundwater, and soil vapor. The site was addressed under the State Brownfields Program (Site Code: C224157A). Remediation of the site was completed under a January 2013 Consent Order with NYSDEC DER. An off-site project was initiated to investigate soil vapor impacts to four lots that are adjacent to the property.

Chlorinated solvents, such as PCE and its breakdown products, are not known to be contaminants of concern in Coney Island Creek, and as the Valentina Accessories Inc site was remediated under NYSDEC oversight, and

Scott T. Snyder, CHMM	EPA contractor	07/08/2020
Checklist Preparer Name	**Checklist Preparer Organization**	**Date**

EPA Regional Review and Pre-CERCLA Screening Decision

[redacted]

Optional - Print name of EPA Site Assessor making this decision: _____

EPA Regional Approval: (Enter Date and then click this box to initiate digital signature stamp) _____ **Date** _____

Site Description

(All text as entered on page A-2)

The Valentina Accessories Inc site is a former dry cleaner designated as a Very Small Quantity Generator (VSQG) (Handler ID No. NYD046147989) under the Resource Conservation and Recovery Act (RCRA). The facility also operated under the name Brighton Cleaners. Hazardous waste generated at the facility included tetrachloroethylene (PCE) (D039) and spent halogenated solvents (F002). Sanborn Fire Insurance Maps show cleaning and dying operations dating back to 1950. The site is currently occupied by a medical clinic.

Sampling at the site shows that PCE and its breakdown products were detected in soil, groundwater, and soil vapor. PCE was detected in groundwater at a maximum concentration of 340,000 parts per billion (ppb). PCE and TCE were also detected in soil vapor at or near the property boundary. The site was addressed under the State Brownfields Cleanup Program (Site Code: C224157A). Remediation was conducted under a January 2013 Consent Order with the New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation (DER). Remediation of the site reportedly achieved soil cleanup objectives for restricted residential use. As part of the remedial response, a soil vapor extraction (SVE) system was installed. An off-site project was initiated to investigate soil vapor impacts to four lots that are adjacent to the property. Residual contamination at the site is being managed under an Operations and Maintenance (O&M) Plan that was updated in May 2019. The Brooklyn Public Library Brighton Beach Branch serves as a repository for site documents.

PCS Summary and Decision Rationale

(All text as entered on page A-4)

The site is a former dry cleaner that generated PCE (D039) and spent halogenated solvents (F002). PCE and its breakdown products were detected in soil, groundwater, and soil vapor. The site was addressed under the State Brownfields Program (Site Code: C224157A). Remediation of the site was completed under a January 2013 Consent Order with NYSDEC DER. An off-site project was initiated to investigate soil vapor impacts to four lots that are adjacent to the property.

[redacted]

Coney Island Creek

Kings County

Brooklyn, NY 11224

Inquiry Number: 6024747.4

March 27, 2020

EDR Historical Topo Map Report

with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

03/27/20

Site Name:

Coney Island Creek
Kings County
Brooklyn, NY 11224
EDR Inquiry # 6024747.4

Client Name:

Weston Solutions, Inc.
205 Campus Drive
Edison, NJ 08837
Contact: Scott Snyder

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Weston Solutions, Inc. were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:

P.O.# 0802
Project: Coney Island Creek

Coordinates:

Latitude:	40.580089 40° 34' 48" North
Longitude:	-73.97903 -73° 58' 45" West
UTM Zone:	Zone 18 North
UTM X Meters:	586408.47
UTM Y Meters:	4492645.50
Elevation:	-0.48' below sea level

Maps Provided:

2013	1897
1995, 1998	
1979, 1981	
1966	
1955	
1947	
1900	
1898	

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2013 Source Sheets



The Narrows
2013
7.5-minute, 24000

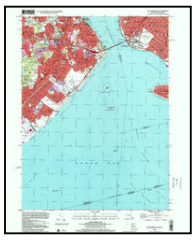


Coney Island
2013
7.5-minute, 24000

1995, 1998 Source Sheets



Coney Island
1995
7.5-minute, 24000
Aerial Photo Revised 1977



The Narrows
1998
7.5-minute, 24000
Aerial Photo Revised 1976

1979, 1981 Source Sheets



Coney Island
1979
7.5-minute, 24000
Aerial Photo Revised 1977



The Narrows
1981
7.5-minute, 24000
Aerial Photo Revised 1976

1966 Source Sheets



Coney Island
1966
7.5-minute, 24000
Aerial Photo Revised 1954

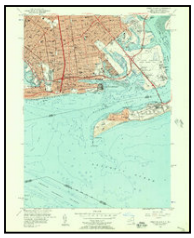


The Narrows
1966
7.5-minute, 24000
Aerial Photo Revised 1966

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1955 Source Sheets



Coney Island
1955
7.5-minute, 24000
Aerial Photo Revised 1954



The Narrows
1955
7.5-minute, 24000
Aerial Photo Revised 1954

1947 Source Sheets



Coney Island
1947
7.5-minute, 24000
Aerial Photo Revised 1940



The Narrows
1947
7.5-minute, 24000
Aerial Photo Revised 1941

1900 Source Sheets



Brooklyn
1900
15-minute, 62500



Staten Island
1900
15-minute, 62500

1898 Source Sheets



Brooklyn
1898
15-minute, 62500



Staten Island
1898
15-minute, 62500

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1897 Source Sheets



Brooklyn
1897
15-minute, 62500



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

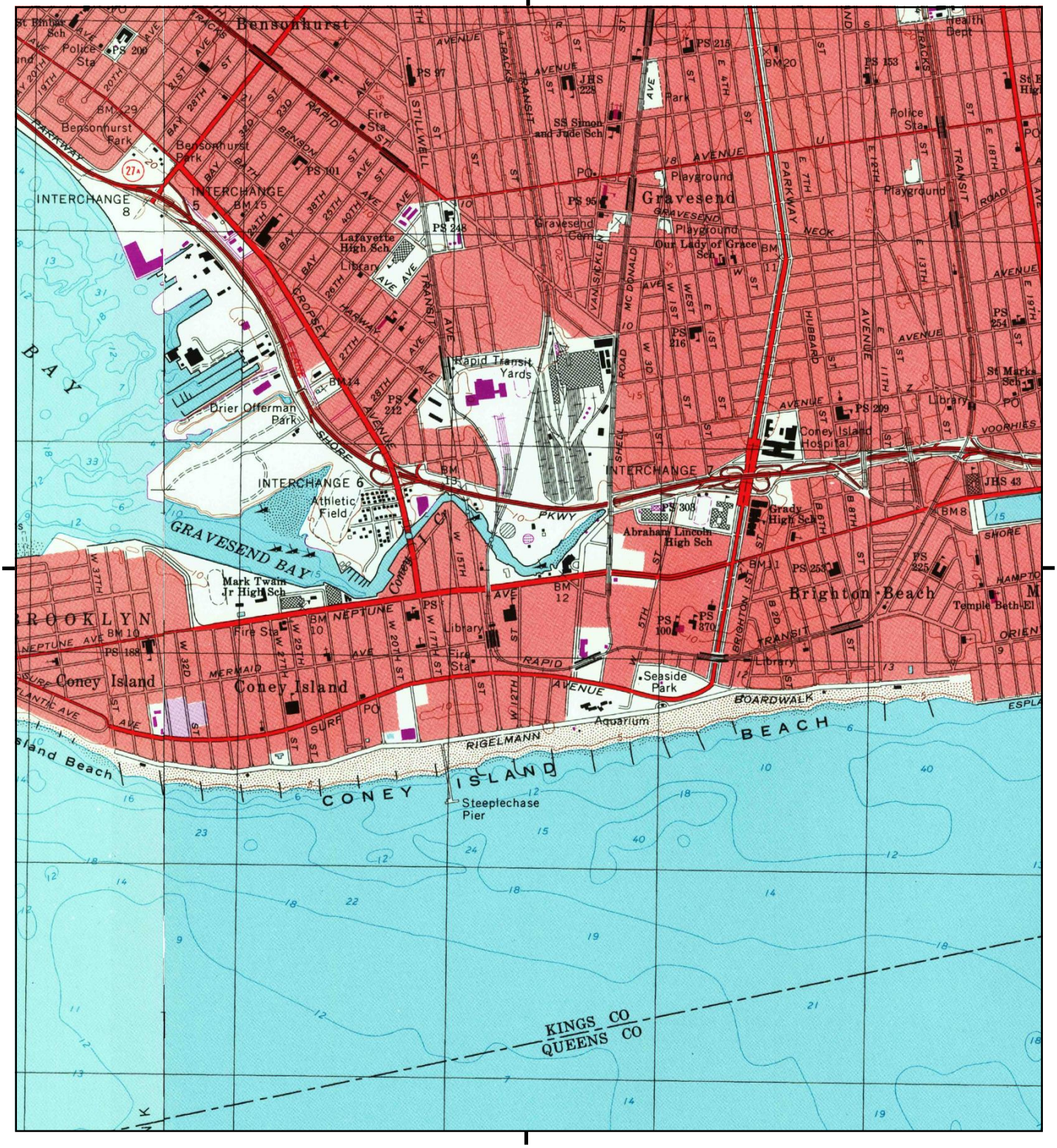
TP, Coney Island, 2013, 7.5-minute
W, The Narrows, 2013, 7.5-minute

SITE NAME: Coney Island Creek
ADDRESS: Kings County
Brooklyn, NY 11224
CLIENT: Weston Solutions, Inc.

N

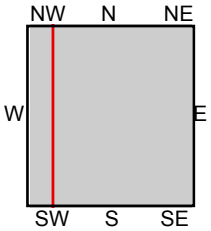
Historical Topo Map

1995, 1998



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5



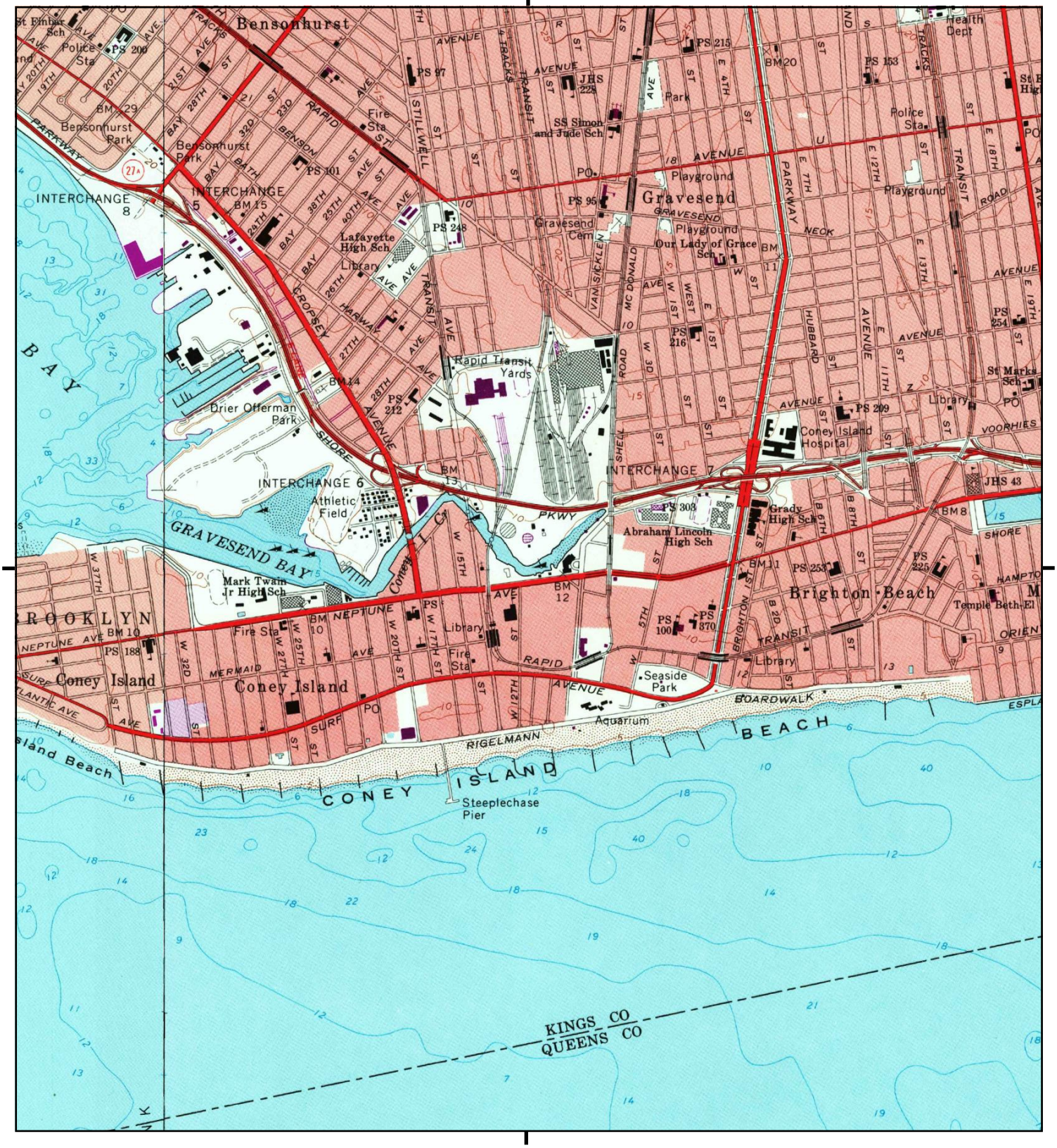
TP, Coney Island, 1995, 7.5-minute
W, The Narrows, 1998, 7.5-minute

SITE NAME: Coney Island Creek
ADDRESS: Kings County
Brooklyn, NY 11224
CLIENT: Weston Solutions, Inc.

N

Historical Topo Map

1979, 1981



This report includes information from the following map sheet(s).

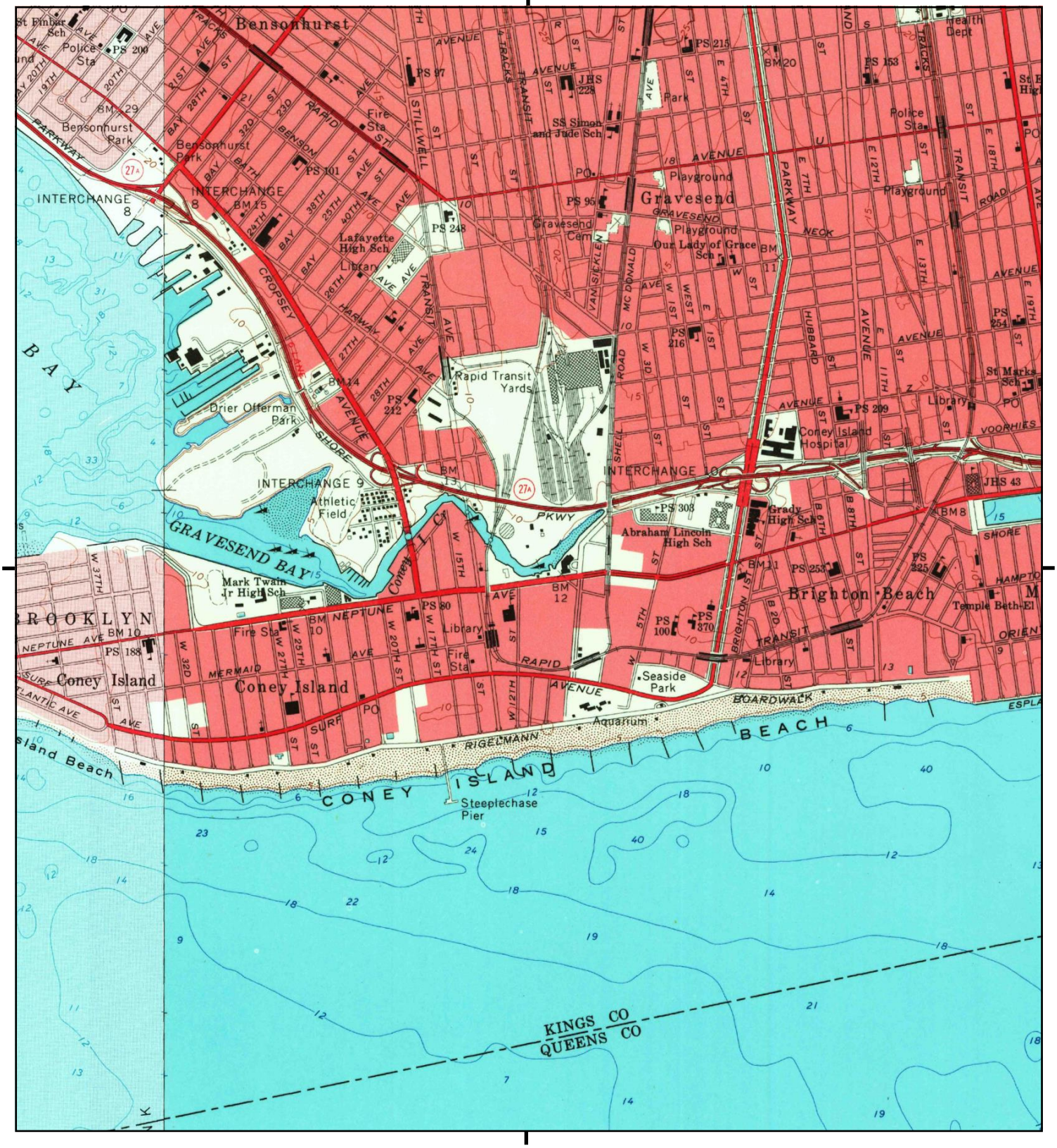
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Coney Island, 1979, 7.5-minute
W, The Narrows, 1981, 7.5-minute

SITE NAME: Coney Island Creek
ADDRESS: Kings County
Brooklyn, NY 11224
CLIENT: Weston Solutions, Inc.

N



This report includes information from the following map sheet(s).

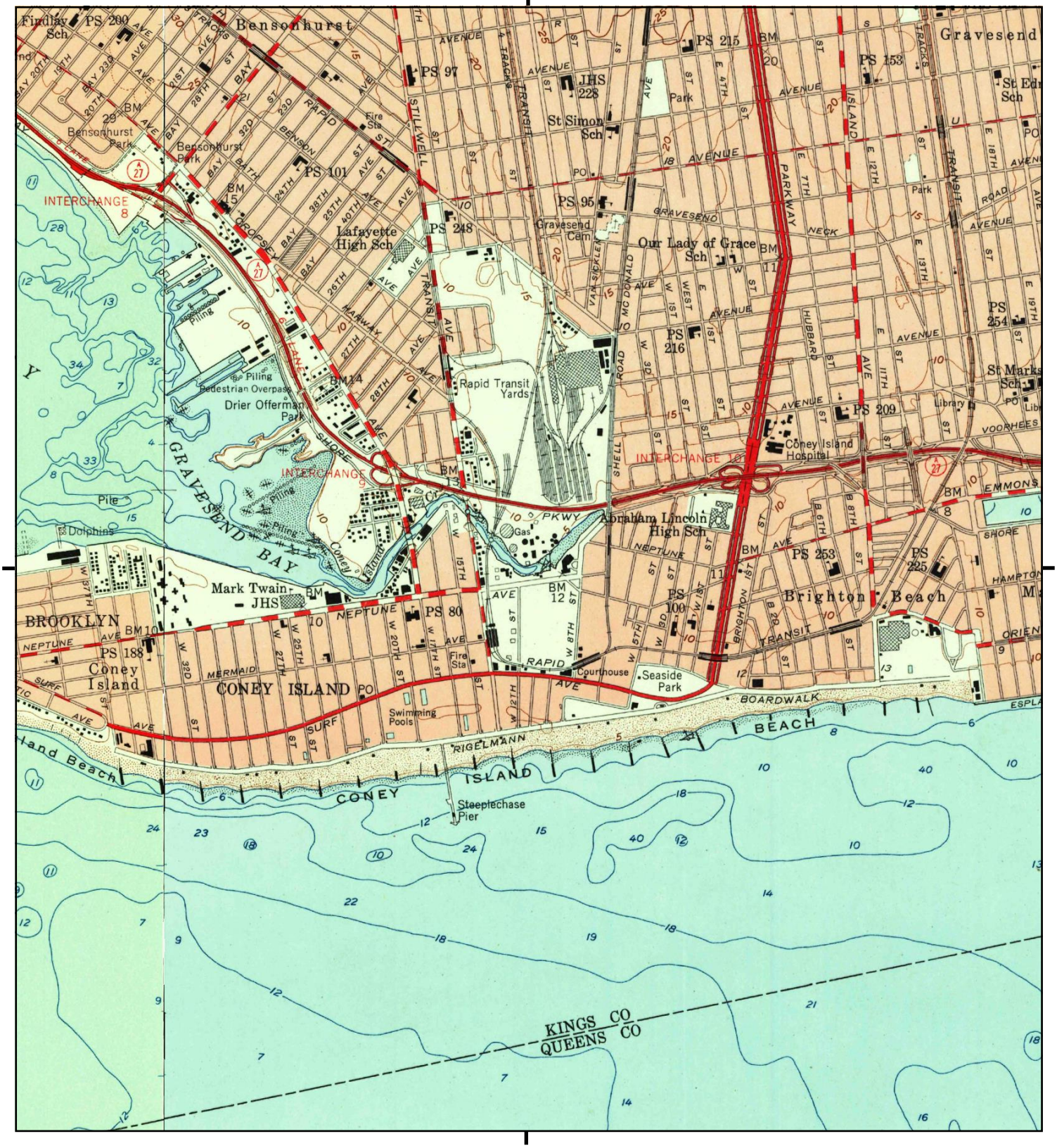
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Coney Island, 1966, 7.5-minute
W, The Narrows, 1966, 7.5-minute

SITE NAME: Coney Island Creek
ADDRESS: Kings County
Brooklyn, NY 11224
CLIENT: Weston Solutions, Inc.

N



This report includes information from the following map sheet(s).

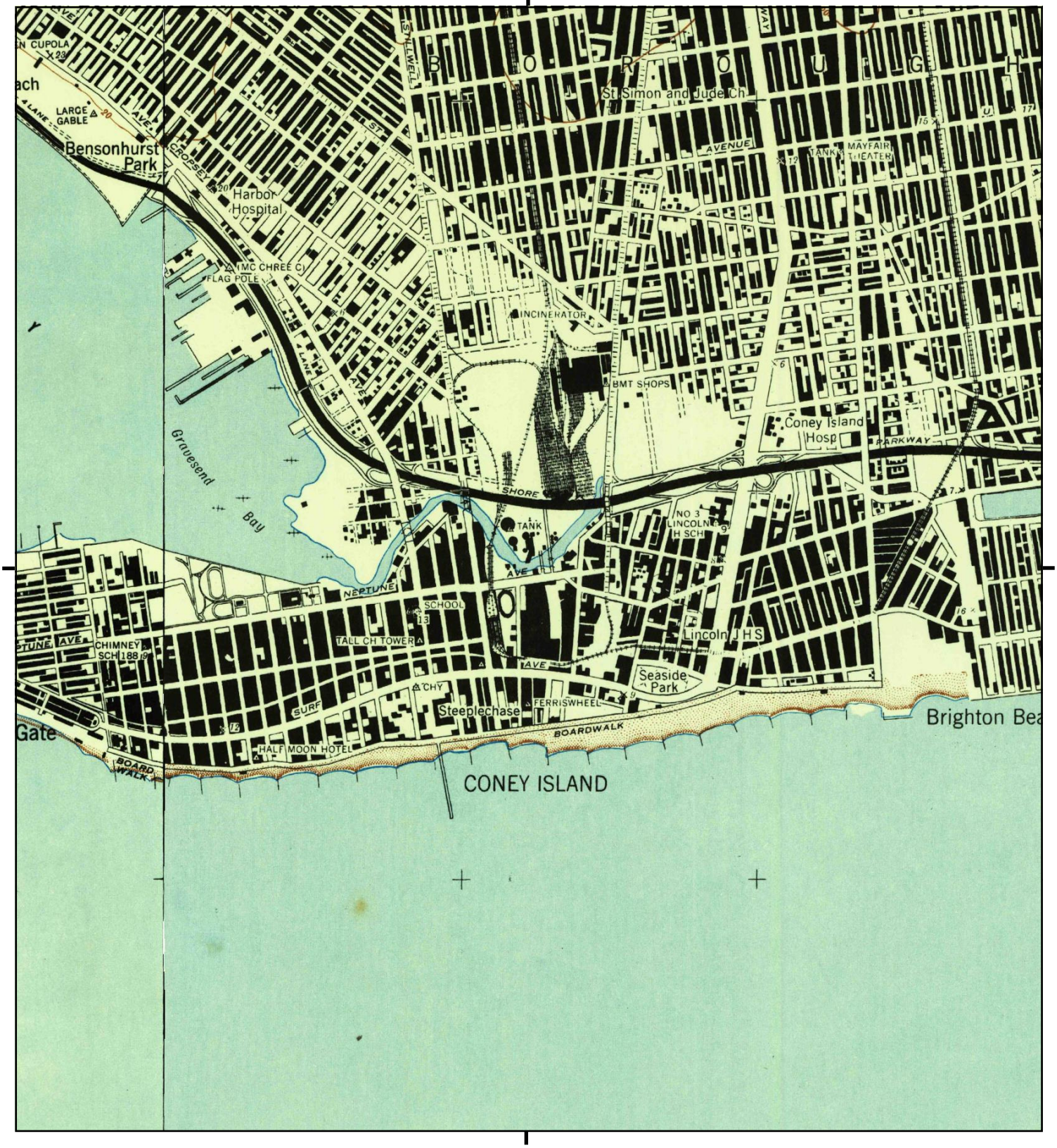
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Coney Island, 1955, 7.5-minute
W, The Narrows, 1955, 7.5-minute

SITE NAME: Coney Island Creek
ADDRESS: Kings County
Brooklyn, NY 11224
CLIENT: Weston Solutions, Inc.

N



This report includes information from the following map sheet(s).

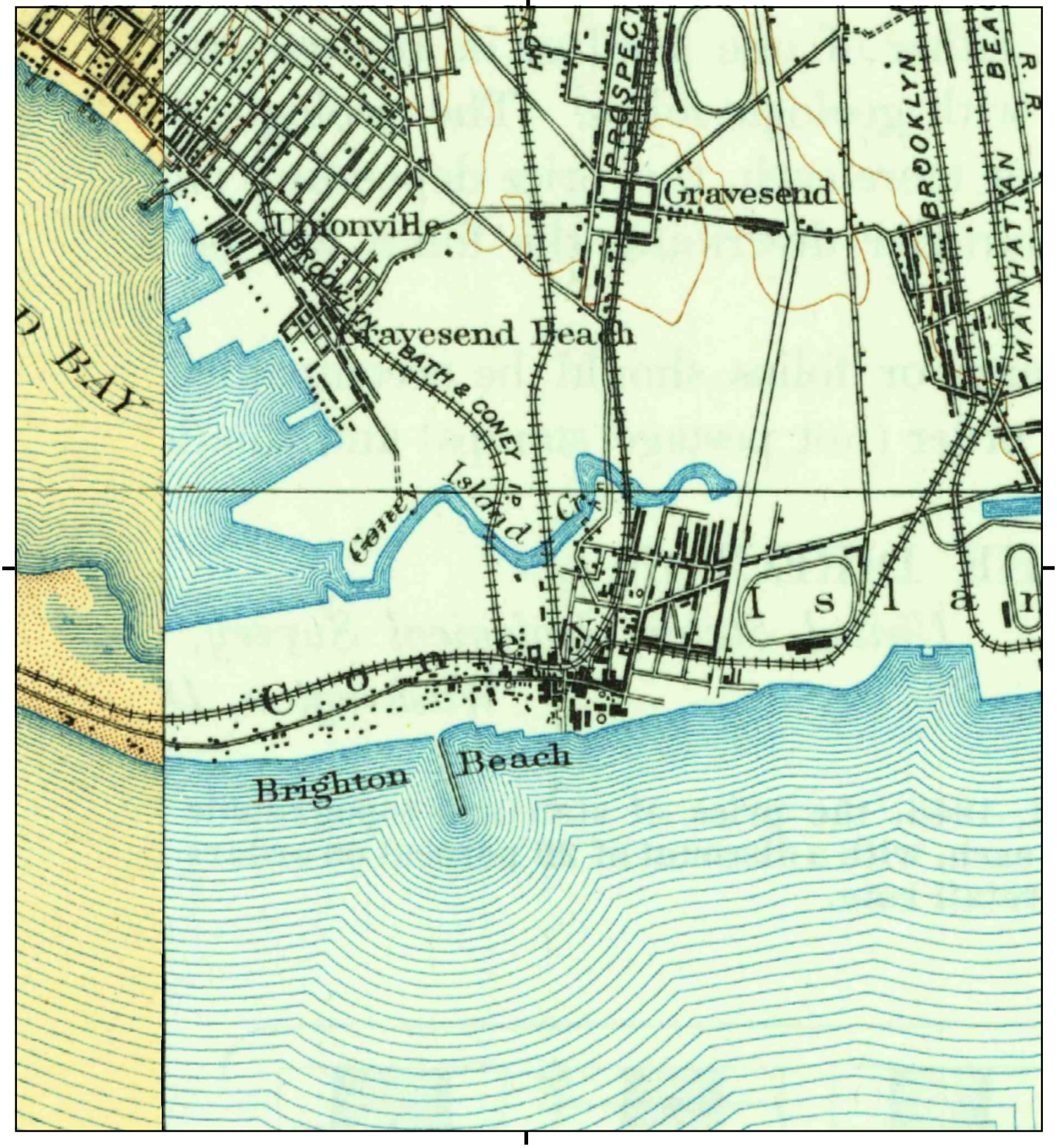
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Coney Island, 1947, 7.5-minute
W, The Narrows, 1947, 7.5-minute

SITE NAME: Coney Island Creek
ADDRESS: Kings County
Brooklyn, NY 11224
CLIENT: Weston Solutions, Inc.

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Brooklyn, 1900, 15-minute
W, Staten Island, 1900, 15-minute

SITE NAME: Coney Island Creek
ADDRESS: Kings County
Brooklyn, NY 11224
CLIENT: Weston Solutions, Inc.

N



This report includes information from the following map sheet(s).

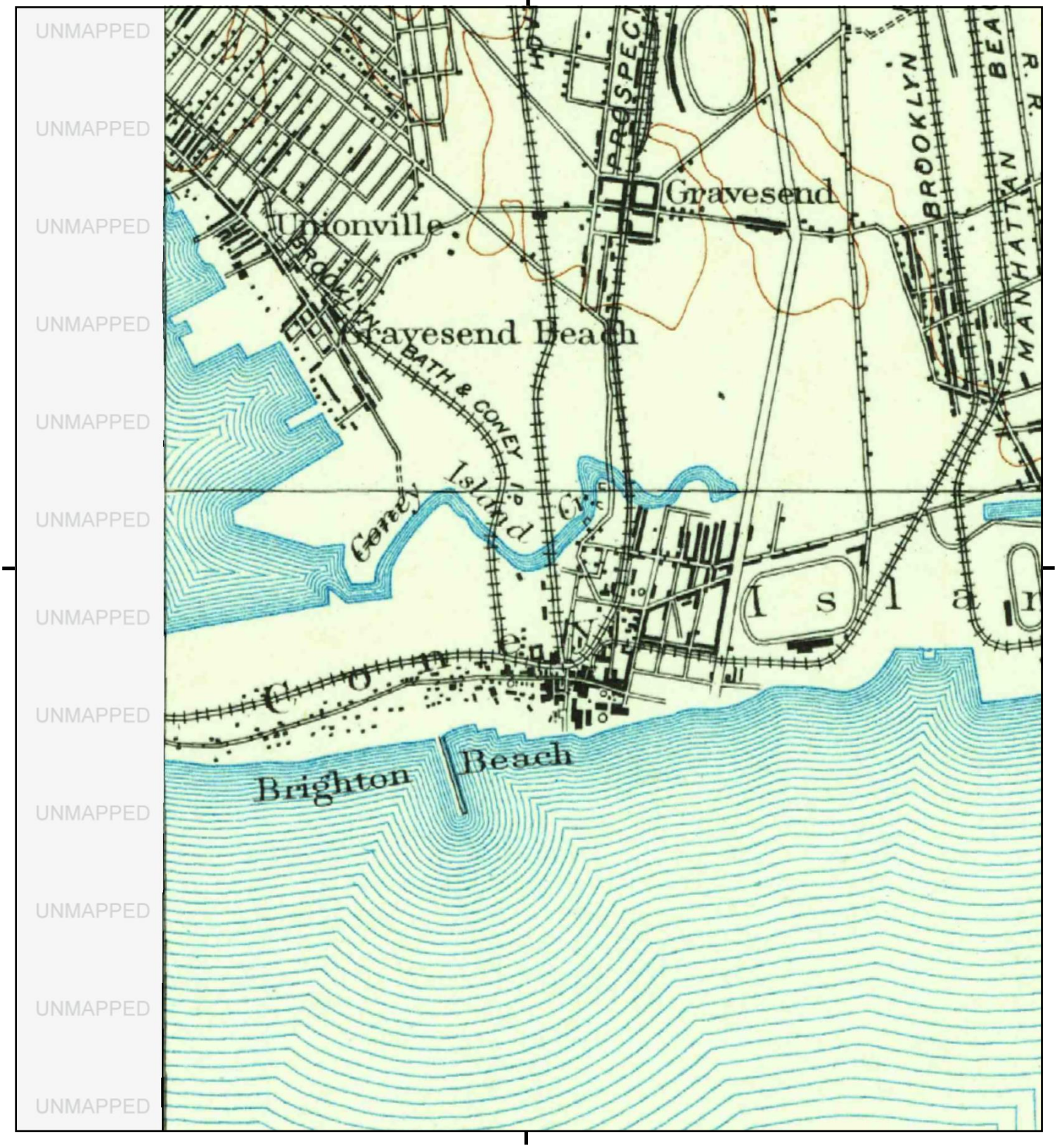
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Brooklyn, 1898, 15-minute
W, Staten Island, 1898, 15-minute

SITE NAME: Coney Island Creek
ADDRESS: Kings County
Brooklyn, NY 11224
CLIENT: Weston Solutions, Inc.

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Brooklyn, 1897, 15-minute

SITE NAME: Coney Island Creek
ADDRESS: Kings County
Brooklyn, NY 11224
CLIENT: Weston Solutions, Inc.

N

Pre-CERCLA Screening Checklist/Decision Form

This form is used in conjunction with a site map and any additional information required by the EPA Region to document completion of a Pre-CERCLA Screening (PCS). The form includes a decision on whether a site should be added to the Superfund program's active site inventory for further investigation. This checklist replaces Attachment A in the December 2016 PCS Guidance document. A current version of the PCS checklist and additional information is available at: https://www.epa.gov/superfund/pre-cercla-screening.

Region: 2 **State/Territory:** NY **Tribe:** NYN000203538 **EPA ID No. (If Available)**

Site Name: Coney Island Creek

Other Site Name(s):

Site Location: Cropsey Avenue (Street)

8 Congressional District | Brooklyn (City) | NY (State/Terr.) | (County) | 11224 - (Zip+4) | ☐ (No Zip Available)

If no street address is available: Brooklyn (Township-Range) Coney Island (Section)

Checklist Preparer:

Scott T. Snyder (Name / Title) 05/22/2020 (Date)

Weston Solutions, Inc. (Organization) (732) 417-5828 (Phone)

205 Campus Drive (Street) s.snyder@westonsolutions.com e-Mail

Edison (City) | NJ (State/Terr.) | MIDDLESEX (County) | 08837- (Zip+4)

Site Contact Info/Mailing Address: Cherry Mui, Waterfront Resiliency , NYC Mayor's Office of Resiliency
253 Broadway , 14th Floor, New York, NY 10007, (212) 676-3087

CERCLA 105d Petition for Preliminary Assessment? Yes **If Yes, Petition Date (mm/dd/yyyy):** 03/03/2020

RCRA Subtitle C Site Status: Is site in RCRA Info? No **If Yes, RCRA Info Handler ID #:**

Ownership Type: Municipality **Additional RCRA Info ID #(s):**

Site Type: Other **State ID #(s):**

Site Sub-Type: Contaminated sediment site with no ider **Other ID #(s):**

Federal Facility? No **Federal Facility Owner:** (Make selection)

Formerly Used Defense Site (FUDS)? No

Federal Facility Docket? No **If Yes, FF Docket Listing Date (mm/dd/yyyy):**

Federal Facility Docket Reporting Mechanism: (Make selection)

Native American Interest? No **If Yes, list Tribe:**

Additional Tribe (s): (Make Selection)

Additional Tribe (s): (Make Selection)

Site Description

Use this section to briefly describe site background and conditions if known or (easily) available, such as: operational history; physical setting and land use; site surface description, soils, geology and hydrogeology; source and waste characteristics; hazardous substances/contaminants of concern; historical releases, previous investigations and cleanup activities; previous regulatory actions, including permitting and enforcement actions; institutional controls; and community interest.

The Coney Island Creek site is located in the Coney Island and Gravesend areas of Brooklyn, New York. The site consists of a contaminated sediment plume for which the sources of contamination have not been definitively identified. The 3,470-acre Coney Island Creek watershed drainage area is highly urbanized. The shoreline and drainage area surrounding Coney Island Creek have a long history of industrial activity dating back to at least the late 1800s. Former and current industrial activities that have been identified as possible sources of the contamination either directly on the creek bank or within the creek's watershed include, but are not limited to: asphalt manufacturing, automobile salvage, coal storage, electroplating, fluorescent light fixture manufacturing, landfill, manufactured gas plant (MGP), scrap metal reclamation, steel products manufacturing, and sewage treatment. Combined and separated sewers have replaced natural freshwater streams throughout the area, such that the only sources of freshwater are combined sewer overflows (CSO) and stormwater discharges. Due to these conditions, the sediment

Geospatial Information

Latitude: 40.581659 **Longitude:** -73.985689

Decimal Degree North (e.g., 38.859156) **Decimal Degree West (e.g., 77.036783)**

Provide 4 significant digits at a minimum, more if your collection method generates them.

Except for certain territories in the Pacific Ocean, all sites in U.S. states and territories are located within the northern and western hemispheres and will have a positive latitude sign and negative longitude sign. Coordinate signs displayed above are based on the State/Territory entry on page A-1. Geospatial data tips from the PCS Guidance document are available **here.**

Point Description: Select the option below that best represents the site point for future reference and to distinguish it from any nearby sites. See additional information **here.**

- ☐ Geocoded (address-matched) Site Address
- ☐ Site Entrance (approximate center of curb-cut)
- ☒ Approximate Center of Site
- ☐ Other Distinguishing Site Feature (briefly describe):

Point Collection Method: Check the method used to collect the coordinates above and enter the date of collection. See additional information **here.**

- ☐ Online Map Interpolation
- ☐ GPS (handheld, smartphone, other device or technology with accuracy range < 25 meters)
- ☐ GPS Other (accuracy range is ≥ 25 meters or unspecified)
- ☐ Address Matching: Urban
- ☐ Address Matching: Rural
- ☒ Other Method (briefly describe below):

Google Earth

Collection Date (mm/dd/yyyy): 05/07/2020

POINT-SELECTION CONSIDERATIONS

- Often the best point is a feature associated with the environmental release or that identifies the site visually.
- Use the curb cut of the entrance to the site if there is a clear primary entrance and it is a good identifier for the overall location.
- The approximate center of the site (a guess at the centroid) is useful for large-area sites or where there are no appropriate distinguishing features.
- Use the geocoded address if that is the only or best option available, but if possible use something more representative for sites larger than 50 acres.

Complete this checklist to help determine if a site should be added to the Superfund Active site inventory. See Section 3.6 of the PCS guidance for additional information.	YES	NO	Unknown
1. An initial search for the site in EPA's Superfund active, archive and non-site inventories should be performed prior to starting a PCS. Is this a new site that does not already exist in these site inventories?	☒	☐	☐
2. Is there evidence of an actual release or a potential to release?	☒	☐	☐
3. Are there possible targets that could be impacted by a release of contamination at the site?	☒	☐	☐
4. Is there documentation indicating that a target has been exposed to a hazardous substance released from the site?	☐	☐	☒
5. Is the release of a naturally occurring substance in its unaltered form, or is it altered solely through naturally occurring processes or phenomena, from a location where it is naturally found?	☐	☒	☐
6. Is the release from products which are part of the structure of, and result in exposure within, residential buildings or business or community structures?	☐	☒	☐
7. If there has been a release into a public or private drinking water supply, is it due to deterioration of the system through ordinary use?	☐	☒	☐
8. Are the hazardous substances possibly released at the site, or is the release itself, excluded from being addressed under CERCLA?	☐	☒	☐
9. Is the site being addressed under RCRA corrective action or by the Nuclear Regulatory Commission?	☐	☒	☐
10. Is another federal, state, tribe or local government environmental cleanup program other than site assessment actively involved with the site (e.g., state voluntary cleanup program)?	☐	☒	☐
11. Is there sufficient documentation or evidence that demonstrates there is no likelihood of a significant release that could cause adverse environmental or human health impacts?	☐	☒	☐
12. Are there other site-specific situations or factors that warrant further CERCLA remedial/integrated assessment or response?	☒	☐	☐

Preparer's Recommendation: [redacted]

PCS Summary and Decision Rationale

Use this section to summarize PCS findings and support the decision to add or not add the site to the Superfund active site inventory for further investigation. Information does not need to be specific but, where known, can include key factors such as source and waste characteristics (e.g., drums, contaminated soil); evidence of release or potential release; threatened targets (e.g., drinking water wells); key sampling results (if available); CERCLA eligibility; involvement of other cleanup programs; and other supporting factors. Attach additional pages as necessary.

Based on analytical data for surface water and sediment samples, there is a release of Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) hazardous substances (i.e., polycyclic aromatic hydrocarbons [PAHs], volatile organic compounds [VOCs], and inorganic constituents). Based on a review of available information, there are numerous historical and current possible sources that might have contributed to the contamination.

Primary contact in the form of swimming and baptisms have been reported along the sandy southwestern shoreline of the creek near Gravesend Bay. Coney Island Creek is fished for human consumption. There is one permanent

Scott T. Snyder, CHMM	EPA contractor	05/22/2020
Checklist Preparer Name	**Checklist Preparer Organization**	**Date**

EPA Regional Review and Pre-CERCLA Screening Decision

[redacted]

Optional - Print name of EPA Site Assessor making this decision: _____

EPA Regional Approval: (Enter Date and then click this box to initiate digital signature stamp)

JAMES DESIR

Digitally signed by JAMES DESIR
Date: 2020.06.03 09:09:13 -04'00'

Date 06/03/2020

Site Description

(All text as entered on page A-2)

The Coney Island Creek site is located in the Coney Island and Gravesend areas of Brooklyn, New York. The site consists of a contaminated sediment plume for which the sources of contamination have not been definitively identified. The 3,470-acre Coney Island Creek watershed drainage area is highly urbanized. The shoreline and drainage area surrounding Coney Island Creek have a long history of industrial activity dating back to at least the late 1800s. Former and current industrial activities that have been identified as possible sources of the contamination either directly on the creek bank or within the creek's watershed include, but are not limited to: asphalt manufacturing, automobile salvage, coal storage, electroplating, fluorescent light fixture manufacturing, landfill, manufactured gas plant (MGP), scrap metal reclamation, steel products manufacturing, and sewage treatment. Combined and separated sewers have replaced natural freshwater streams throughout the area, such that the only sources of freshwater are combined sewer overflows (CSO) and stormwater discharges. Due to these conditions, the sediment contamination has not been definitively attributed to any single source. As part of a remedial investigation (RI) at the Former Brooklyn Borough Gas Works MGP site next to Coney Island Creek, surface water and sediment samples were collected from the eastern portion of the creek. The analytical results indicated that creek sediments were contaminated with polycyclic aromatic hydrocarbons (PAHs); and benzene, toluene, ethylbenzene, and xylene (BTEX compounds) that are attributable to the MGP; inorganic constituents, such as arsenic and lead, were detected in sediment collected near the CSO and stormwater outfalls. A non-aqueous phase liquid (NAPL) in the form of a dense oily liquid was observed to be seeping into the creek from the site's subsurface near the former gas holders and saturating creek sediment, and in some cases existing as scattered discontinuous globules. The NAPL was a significant source of PAHs and BTEX to creek sediments. Surface water samples showed the presence of BTEX near stormwater outfalls. After remediation of the site operable units (OU1 and OU3), remedial measures were implemented in the Coney Island Creek operable unit (OU2) beginning in March 2007, which included excavation of coal tar materials from the entire width of the creek, extending from the culverts at Shell Road to the Metropolitan Transit Authority (MTA) bridge, and the removal of the top three feet of contaminated sediment and replacement with clean materials. A total of 97,541 tons of sediment were removed from the creek. Other remedial measures included installation of perimeter barrier walls, NAPL collection, groundwater collection and treatment prior to discharge to the creek, and restoration of the creek bank. The remediated creek segment (i.e., OU2) was delineated based on the extent of NAPL and coal tar observed in creek sediments and the rationale that PAHs beyond the MTA bridge could be attributed to other sources along the creek. As MGP contaminants were detected up to 10 feet below the sediment surface, at least seven feet of contaminated sediment remains in place below the 3-foot cap.

In January 2018, the New York City Economic Development Corporation published the 2018/2019 NYC Ferry Expansion Feasibility Study. The study proposed Coney Island Creek as one of several possible sites for expanded ferry service to provide a faster transit alternative to Manhattan (in this case, for residents of the relatively isolated western portion of the Coney Island peninsula). The proposed ferry dock would be located in the unremediated western portion of the creek. The Coney Island Creek site was discovered via Petition for Preliminary Assessment submitted to EPA Region 2 on March 3, 2020. Among the reasons for requesting the PA, the petitioner cited contaminants in the waterway from surrounding historical industrial land use, previous and future impacts to the surrounding community from storm surges, the suspension of an Army Corps of Engineers (USACE) harbor-wide coastal storm risk management feasibility study, and proposed dredging for ferry service into the creek without a full understanding of the risks posed by the contamination.
Coney Island Creek is no longer a natural feature. Prior to development, the creek was a small waterway that ran from Gravesend Bay to what is now Cropsey Avenue. The creek was later extended eastward, completely separating Coney Island from Brooklyn's mainland, reaching from Gravesend Bay in the west to an inlet from Sheepshead Bay in the east. During the 1920s and 1930s, the eastern half of the creek was filled for highway and other development projects. In 1962, additional portions of the inlet from Sheepshead Bay were filled with soil from construction of the Verrazano-Narrows Bridge. As a result, Coney Island returned to being a peninsula. The creek now extends approximately 1.8 miles from a culvert at Shell Road on the eastern end to Gravesend Bay on the western end. The width of the creek varies from 60 to 250 feet, and it opens up to 700 feet at the western end at Gravesend Bay. The depth of the creek varies from 1 foot in the narrow eastern end to 15 feet in the wider central portion at mean low water.

The majority of the creek has been channelized with bulkheading and rip rap. The lower (western) portion of the creek is lined with obstructions, including shipwrecks, old barges, pilings, and construction debris. The upper (eastern) portion of the creek is choked with abandoned cars and boats, pilings, and other urban refuse. Increases in urbanization and impermeable surfaces have increased stormwater runoff to the creek and significantly reduced or eliminated tidal marshes or other buffer zones that could absorb the extra load. According to the New York City Department of Environmental Protection (NYC DEP), Coney Island Creek receives 290 million gallons of discharges per year through permitted CSO outfalls and more than a million gallons of stormwater runoff per year.
Despite the impaired nature of the creek, it is utilized for a variety of recreational activities, including boating and birding. Four city parks are located adjacent to the western portion of the creek near the mouth at Gravesend Bay, with a combined 1.1 miles of shoreline of varying accessibility. Although not an officially sanctioned use of the creek, primary contact in the form of swimming and baptisms have been reported along the sandy southwestern shoreline of the creek near Gravesend Bay. Although the presence of chemical and biological contamination in the creek is well known, Coney Island Creek is fished for human consumption. Species of fish caught for consumption include mullet, porgy, striped bass, fluke, and bluefish. There is one permanent residence situated directly on the creek shoreline, as well as multiple homeless encampments. Coney Island Creek is situated within the core area of the New York-New Jersey Harbor Estuary. Sensitive environments subject to potential contamination along the 15-mile surface water pathway include habitat known to be used by four Federal-designated and 16 State-designated threatened or endangered species, approximately 62 miles of wetland frontage, and the Gateway National Recreation Area.

PCS Summary and Decision Rationale

(All text as entered on page A-4)

Based on analytical data for surface water and sediment samples, there is a release of Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) hazardous substances (i.e., polycyclic aromatic hydrocarbons [PAHs], volatile organic compounds [VOCs], and inorganic constituents). Based on a review of available information, there are numerous historical and current possible sources that might have contributed to the contamination.

Primary contact in the form of swimming and baptisms have been reported along the sandy southwestern shoreline of the creek near Gravesend Bay. Coney Island Creek is fished for human consumption. There is one permanent residence situated directly on the creek shoreline, as well as multiple homeless encampments. Coney Island Creek is situated within the core area of the New York-New Jersey Harbor Estuary. Sensitive environments subject to potential contamination along the 15-mile surface water pathway include habitat known to be used by four Federal-designated and 16 State-designated threatened or endangered species, approximately 62 miles of wetland frontage, and the Gateway National Recreation Area.

Skip to Main Content

DATA.NY.GOV OPEN NY CATALOG DEVELOPERS HELP ABOUT Sign In

NY Municipalities and County FIPS codes

View based on New York State Locality Hierarchy with Websites
CommunityGovernment & Finance
View Data Visualize
Export
API

Access this Dataset via OData

Use OData to open the dataset in tools like Excel or Tableau. This provides a direct connection to the data that can be refreshed on-demand within the connected application.

Tableau users should select the OData v2 endpoint option.

Socrata OData Documentation

OData Endpoint

https://data.ny.gov/api/odata/v4/79vr-2kdi OData V4 Copy
Done

The dataset contains a hierarchal listing of New York State counties, cities, towns, and villages, as well as official locality websites

Updated September 18, 2019
Data Provided by NYS Office of Information Technology Services

About this Dataset

Updated
September 18, 2019

Data Last Updated September 18, 2019
Metadata Last Updated December 4, 2017

Date Created
December 4, 2017

Views **7,177**
Downloads **815**

Data Provided by
NYS Office of Information Technology Services

Dataset Owner
alealcb

Contact Dataset Owner

Dataset Summary

Posting Frequency	As needed
Coverage	Statewide
Granularity	Municipality

Disclaimers

Limitations	Websites are current as of last update. Where a website did not exist, the data element for the website is blank.

Additional Resources

See Also http://www.dos.ny.gov/lg/

Dataset Information

Agency Information Technology Services, Office of

Show More

What's in this Dataset?

Rows
1,605
Columns
6

Columns in this Dataset

Column Name	Description	Type
County Name	NYS county name.	Plain Text

Column Name	Description	Type
Data Type Text API Field Name county		
City Name	City name, if applicable; blank if Type is not ‘City’ or 'Borough/County'.	Plain Text
Data Type Text API Field Name city_name		
Town Name	Town name, if applicable; blank if Type is not ‘Town’.	Plain Text
Data Type Text API Field Name town_name		
Village Name	Village name, if applicable; blank if Type is not ‘Village’.	Plain Text
Data Type Text API Field Name village_name		
Municipality	Name of municipality, if applicable; blank if Type is ‘County’.	Plain Text
Data Type Text API Field Name municipality		
County FIPS	5-digit county FIPS code (concatenated state FIPS and county codes) that uniquely identifies each county in each state.	Plain Text
Data Type Text API Field Name county_fips		

Table Preview

View Data Create Visualization

County Name	City Name	Town Name	Village Name	Municipality	County FIPS
Albany	Albany			Albany	36001
Montgomery	Amsterdam			Amsterdam	36057
Cayuga	Auburn			Auburn	36011
Genesee	Batavia			Batavia	36037
Dutchess	Beacon			Beacon	36027
Broome	Binghamton			Binghamton	36007
Bronx	Bronx			Bronx	36005
Kings	Brooklyn			Brooklyn	36047
Erie	Buffalo			Buffalo	36029
Ontario	Canandaigua			Canandaigua	36069
Albany	Cohoes			Cohoes	36001
Steuben	Corning			Corning	36101
Cortland	Cortland			Cortland	36023

Previous Next Showing Rows 1 to 13 out of 1,605

Click and drag to pan the chart

View Source Data

Open this dataset in Carto?

Your browser will be redirected to Carto, would you like to proceed?

Note that Carto has a file size limit of 150MB or 500,000 rows.

Learn about more external integrations at
https://support.socrata.com/hc/en-us/articles/115010730868

Close Open

Open this dataset in Plot.ly?

Your browser will be redirected to Plot.ly, would you like to proceed?
Note that Plot.ly has a file size limit of 5MB.
Learn about more external integrations at
https://support.socrata.com/hc/en-us/articles/115010730868
Close Open

Send a Message to the Owner of this Dataset

Send a short message to the dataset owner to ask a question, make a comment, or point out something about the data.

Subject

Message

Your Email(Your email address will be shared with the dataset owner so they can get back to you)

I'm not a robot
reCAPTCHA
Privacy - Terms

Cancel Send

Manage Featured Content

Featured Content

What would you like people to see when they first view this dataset? Promote up to 3 Socrata assets that use this data, or choose to feature any relevant external resources. Think of this section as the face of your data.

Add...
Add...
Add...
Done

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Kings

PROJECT NOTE	WESTON SOLUTIONS, INC.
To: Coney Island Creek site file	**Date:** August 12, 2021
W.O. No.: 40200.036.049.6200	
From: Kelly Gaffney, WESTON	
Subject: Sediment Core Logs	

The attached sediment core logs were prepared by Aqua Survey, Inc. during the April 2021 Site Inspection sampling. Sediment cores were collected from Coney Island Creek and Shell Bank Creek using Vibracore push-coring technology.

Twenty-four sediment core logs were prepared from 15 sample locations in Coney Island Creek and four sample locations in Shell Bank Creek. Five core logs were blank due to refusal or low recovery.

Kelly Gaffney

Kelly Gaffney
Associate Scientist

AQUA SURVEY, INC.

SEDIMENT CORE LOG

Client :	Weston Solutions, Inc.		Project :	Coney Island Creek, Brooklyn, NY		Logger:	MD	
Job#:	41-047	Date:	4/19/21	Time:	0829	Crew:	AF	
Coordinates:	N	151277.3	E	984062.1		Vessel:	Tesla	
Core # :	1	Zone:NYLI	Datum NAD 83			Deploy:	1	2	3
Project Depth (incl. Overdredge) [PD] [ft] MLW::				Core Penetration Length (ft.):			3.5		
Measured Water Depth [MWD] [ft.]:		1.6		Recovered Core Length (ft.):			3.0		
Tide Adjust [TA] (+/- ft. from MLLW) [ft.]:		1.3		Sample Length Retained (ft.):			-		
Corrected Depth @ MLLW [ft.]:				Core Volume Retained (gal.):			-		
+ MLW Adjustment [ft.]		0.2		Collected to Project Depth:			Y / N		
Corrected Depth @ MLW [ft.]:									
Required Sample Core Length [SCL] [ft.]:									

All Length Measurements are in Decimal Feet

Sample Interval (ft.)	Sample Id #	Description
Top 0.0		Gray sand.
3.0		
Bottom		

# of containers:				
Type of container:	bucket	hardliner	cup	other

Conditions:

Comments: Core to client.

Core Volumes

Nominal core-barrel diameter	EST. Volume
3.0"	.25 gal/ft
3.5" 8.0"	.33 gal/ft
(4.0")	.50 gal/ft

Liner Type: (Soft) Hard

Vibracorer: (P3) P5 VT6 Other

Live Organisms Present	Y	N
Oil Present	Y	N
Odor Present	Y	N
Debris Present	Y	N
Within 10% of Req'd Core Length	Y	N
Photo	Y	N

Pushcorer Slambar

Eckman Ponar: Standard / Petite

Box Core

MLW #td ver 030615

AQUA SURVEY, INC.

SEDIMENT CORE LOG

Client :	Weston Solutions, Inc.		Project :	Coney Island Creek, Brooklyn, NY		Logger:	MD	
Job#:	41-047	Date:	4/19/21	Time:	0933	Crew:	AF	
Coordinates:	N	150802.4	E	985059.4		Vessel:	Tesla	
Core # :	2	Zone:NYLI	Datum NAD 83			Deploy:	1	2	3
Project Depth (incl. Overdredge) [PD] [ft] MLW::				Core Penetration Length (ft.):			5.0	7.0	
Measured Water Depth [MWD] [ft.]:		10.9		Recovered Core Length (ft.):			3.0	6.3	
Tide Adjust [TA] (+/- ft. from MLLW) [ft.]:		1.6		Sample Length Retained (ft.):			-	-	
Corrected Depth @ MLLW [ft.]:				Core Volume Retained (gal.):			-	-	
+ MLW Adjustment [ft.]		0.2		Collected to Project Depth:			Y / N		
Corrected Depth @ MLW [ft.]:									
Required Sample Core Length [SCL] [ft.]:									

All Length Measurements are in Decimal Feet

Sample Interval (ft.)	Sample Id #	Description
Top 0.0		Dark gray silty clay
3.0		
		Dark gray silt
6.3		
Bottom		

# of containers:				
Type of container:	bucket	hardliner	cup	other

Conditions:

Comments: Core to client.

Core Volumes

Nominal core-barrel diameter	EST. Volume
3.0"	.25 gal/ft
3.5" 8.0"	.33 gal/ft
(4.0")	.50 gal/ft

Liner Type: (Soft) Hard

Vibracorer: (P3) P5 VT6 Other

Live Organisms Present	Y	N
Oil Present	Y	N
Odor Present	Y	N
Debris Present	Y	N
Within 10% of Req'd Core Length	Y	N
Photo	Y	N

Pushcorer Slambar

Eckman Ponar: Standard / Petite

Box Core

MLW #td ver 030615

AQUA SURVEY, INC.

SEDIMENT CORE LOG

Client :	Weston Solutions, Inc.		Project :	Coney Island Creek, Brooklyn, NY		Logger:	MD	
Job#:	41-047	Date:	4/19/21	Time:	1050	Crew:	AF	
Coordinates:	N	151155.2	E	985293.4		Vessel:	Tesla	
Core # :	3	Zone:NYLI	Datum NAD 83			Deploy:	1	2	3
Project Depth (incl. Overdredge) [PD] [ft] MLW::				Core Penetration Length (ft.):			8.0		
Measured Water Depth [MWD] [ft.]:		17.9		Recovered Core Length (ft.):			5.6		
Tide Adjust [TA] (+/- ft. from MLLW) [ft.]:		2.7		Sample Length Retained (ft.):			-		
Corrected Depth @ MLLW [ft.]:				Core Volume Retained (gal.):			-		
+ MLW Adjustment [ft.]		0.2		Collected to Project Depth:			Y / N		
Corrected Depth @ MLW [ft.]:									
Required Sample Core Length [SCL] [ft.]:									

All Length Measurements are in Decimal Feet

Sample Interval (ft.)	Sample Id #	Description
Top 0.0		Dark gray silty sand, clay
3.2		
		Dark gray silt
5.6		
Bottom		

# of containers:				
Type of container:	bucket	hardliner	cup	other

Conditions:

Comments: Core to client.

Core Volumes

Nominal core-barrel diameter	EST. Volume
3.0"	.25 gal/ft
3.5" 8.0"	.33 gal/ft
(4.0")	.50 gal/ft

Liner Type: (Soft) Hard

Vibracorer: (P3) P5 VT6 Other

Live Organisms Present	Y	N
Oil Present	Y	N
Odor Present	Y	N
Debris Present	Y	N
Within 10% of Req'd Core Length	Y	N
Photo	Y	N

Pushcorer Slambar

Eckman Ponar: Standard / Petite

Box Core

MLW #td ver 030615

AQUA SURVEY, INC.

SEDIMENT CORE LOG

Client :	Weston Solutions, Inc.		Project :	Coney Island Creek, Brooklyn, NY		Logger:	MD	
Job#:	41-047	Date:	4/19/21	Time:	1201	Crew:	AF	
Coordinates:	N	150664.9	E	985543.9		Vessel:	Tesla	
Core # :	4	Zone:NYLI	Datum NAD 83			Deploy:	1	2	3
Project Depth (incl. Overdredge) [PD] [ft] MLW::				Core Penetration Length (ft.):			8.0		
Measured Water Depth [MWD] [ft.]:		15.7		Recovered Core Length (ft.):			5.3		
Tide Adjust [TA] (+/- ft. from MLLW) [ft.]:		3.3		Sample Length Retained (ft.):			-		
Corrected Depth @ MLLW [ft.]:				Core Volume Retained (gal.):			-		
+ MLW Adjustment [ft.]		0.2		Collected to Project Depth:			Y / N		
Corrected Depth @ MLW [ft.]:									
Required Sample Core Length [SCL] [ft.]:									

All Length Measurements are in Decimal Feet

Sample Interval (ft.)	Sample Id #	Description
Top 0.0		Gray sand
1.9		
		Dark gray silt.
5.3		
Bottom		

# of containers:				
Type of container:	bucket	hardliner	cup	other

Conditions:

Comments: Core to client.

Core Volumes

Nominal core-barrel diameter	EST. Volume
3.0"	.25 gal/ft
3.5" 8.0"	.33 gal/ft
(4.0")	.50 gal/ft

Liner Type: (Soft) Hard

Vibracorer: (P3) P5 VT6 Other

Live Organisms Present	Y	N
Oil Present	Y	N
Odor Present	Y	N
Debris Present	Y	N
Within 10% of Req'd Core Length	Y	N
Photo	Y	N

Pushcorer Slambar

Eckman Ponar: Standard / Petite

Box Core

MLW #td ver 030615

AQUA SURVEY, INC.

SEDIMENT CORE LOG

Client :	Weston Solutions, Inc.		Project :	Coney Island Creek, Brooklyn, NY		Logger:	MD	
Job#:	41-047	Date:	4/19/21	Time:	1305	Crew:	AF	
Coordinates:	N	150846.0	E	986201.9		Vessel:	Tesla	
Core # :	5	Zone:NYLI	Datum NAD 83			Deploy:	1	2	3
Project Depth (incl. Overdredge) [PD] [ft] MLW::				Core Penetration Length (ft.):			8.0		
Measured Water Depth [MWD] [ft.]:		18.6		Recovered Core Length (ft.):			5.3		
Tide Adjust [TA] (+/- ft. from MLLW) [ft.]:		3.7		Sample Length Retained (ft.):			-		
Corrected Depth @ MLLW [ft.]:				Core Volume Retained (gal.):			-		
+ MLW Adjustment [ft.]		0.2		Collected to Project Depth:			Y / N		
Corrected Depth @ MLW [ft.]:									
Required Sample Core Length [SCL] [ft.]:									

All Length Measurements are in Decimal Feet

Sample Interval (ft.)	Sample Id #	Description
Top 0.0		Dark gray silty sand
2.4		
		Light gray silt
5.3		
Bottom		

# of containers:				
Type of container:	bucket	hardliner	cup	other

Conditions:

Comments: Core to client.

Core Volumes

Nominal core-barrel diameter	EST. Volume
3.0"	.25 gal/ft
3.5" 8.0"	.33 gal/ft
(4.0")	.50 gal/ft

Liner Type: (Soft) Hard

Vibracorer: (P3) P5 VT6 Other

Live Organisms Present	Y	N
Oil Present	Y	N
Odor Present	Y	N
Debris Present	Y	N
Within 10% of Req'd Core Length	Y	N
Photo	Y	N

Pushcorer Slambar

Eckman Ponar: Standard / Petite

Box Core

MLW #td ver 030615

AQUA SURVEY, INC.

SEDIMENT CORE LOG

Client :	Weston Solutions, Inc.		Project :	Coney Island Creek, Brooklyn, NY		Logger:	MD	
Job#:	41-047	Date:	4/20/21	Time:	1353	Crew:	AF	
Coordinates:	N	151506.4	E	986274.9		Vessel:	Tesla	
Core # :	6	Zone:NYLI	Datum NAD 83			Deploy:	1	2	3
Project Depth (incl. Overdredge) [PD] [ft] MLW::				Core Penetration Length (ft.):			5.5		
Measured Water Depth [MWD] [ft.]:		2.8		Recovered Core Length (ft.):			4.8		
Tide Adjust [TA] (+/- ft. from MLLW) [ft.]:		3.8		Sample Length Retained (ft.):			-		
Corrected Depth @ MLLW [ft.]:				Core Volume Retained (gal.):			-		
+ MLW Adjustment [ft.]		0.2		Collected to Project Depth:			Y / N		
Corrected Depth @ MLW [ft.]:									
Required Sample Core Length [SCL] [ft.]:									

All Length Measurements are in Decimal Feet

Sample Interval (ft.)	Sample Id #	Description
Top 0.0		Gray sand with shells mixed in
4.8		
Bottom		

# of containers:				
Type of container:	bucket	hardliner	cup	other

Conditions:

Comments: Core to client.

Core Volumes

Nominal core-barrel diameter	EST. Volume
3.0"	.25 gal/ft
3.5" 8.0"	.33 gal/ft
(4.0")	.50 gal/ft

Liner Type: (Soft) Hard

Vibracorer: (P3) P5 VT6 Other

Live Organisms Present	Y	N
Oil Present	Y	N
Odor Present	Y	N
Debris Present	Y	N
Within 10% of Req'd Core Length	Y	N
Photo	Y	N

Pushcorer Slambar

Eckman Ponar: Standard / Petite

Box Core

MLW #td ver 030615

AQUA SURVEY, INC.

SEDIMENT CORE LOG

Client :	Weston Solutions, Inc.		Project :	Coney Island Creek, Brooklyn, NY		Logger:	MD	
Job#:	41-047	Date:	4/26/21	Time:	0834	Crew:	AF	
Coordinates:	N	150800.1	E	986710.2		Vessel:	Tesla	
Core # :	7	Zone:NYLI	Datum NAD 83			Deploy:	1	2	3
Project Depth (incl. Overdredge) [PD] [ft] MLW::				Core Penetration Length (ft.):			8.0		
Measured Water Depth [MWD] [ft.]:		16.5		Recovered Core Length (ft.):			7.5		
Tide Adjust [TA] (+/- ft. from MLLW) [ft.]:		5.4		Sample Length Retained (ft.):			-		
Corrected Depth @ MLLW [ft.]:				Core Volume Retained (gal.):			-		
+ MLW Adjustment [ft.]		0.2		Collected to Project Depth:			Y / N		
Corrected Depth @ MLW [ft.]:									
Required Sample Core Length [SCL] [ft.]:									

All Length Measurements are in Decimal Feet

Sample Interval (ft.)	Sample Id #	Description
Top 0.0		Dark gray silty sand.
7.5		
Bottom		

# of containers:				
Type of container:	bucket	hardliner	cup	other

Conditions:

Comments: Core to client.

Core Volumes

Nominal core-barrel diameter	EST. Volume
3.0"	.25 gal/ft
3.5" 8.0"	.33 gal/ft
(4.0")	.50 gal/ft

Liner Type: (Soft) Hard

Vibracorer: (P3) P5 VT6 Other

Live Organisms Present	Y	N
Oil Present	Y	N
Odor Present	Y	N
Debris Present	Y	N
Within 10% of Req'd Core Length	Y	N
Photo	Y	N

Pushcorer Slambar

Eckman Ponar: Standard / Petite

Box Core

MLW #td ver 030615

AQUA SURVEY, INC.

SEDIMENT CORE LOG

Client :	Weston Solutions, Inc.		Project :	Coney Island Creek, Brooklyn, NY		Logger:	AD	
Job#:	41-047	Date:	4/23/21	Time:	1028	Crew:	AF	
Coordinates:	N	150536.0	E	987040.2		Vessel:	Tesla	
Core # :	8	Zone:NYLI	Datum NAD 83			Deploy:	1	2	3
Project Depth (incl. Overdredge) [PD] [ft] MLW::				Core Penetration Length (ft.):			6.0		
Measured Water Depth [MWD] [ft.]:		3.7		Recovered Core Length (ft.):			4.6		
Tide Adjust [TA] (+/- ft. from MLLW) [ft.]:		0.7		Sample Length Retained (ft.):					
Corrected Depth @ MLLW [ft.]:				Core Volume Retained (gal.):					
+ MLW Adjustment [ft.]		0.2		Collected to Project Depth:			Y / N		
Corrected Depth @ MLW [ft.]:									
Required Sample Core Length [SCL] [ft.]:									

All Length Measurements are in Decimal Feet

Sample Interval (ft.)	Sample Id #	Description
Top 0.0		Gray silty sand
4.6		
Bottom		

# of containers:				
Type of container:	bucket	hardliner	cup	other

Conditions:

Comments: Core to client.

Core Volumes

Nominal core-barrel diameter	EST. Volume
3.0"	.25 gal/ft
3.5" 8.0"	.33 gal/ft
(4.0")	.50 gal/ft

Liner Type: (Soft) Hard

Vibracorer: (P3) P5 VT6 Other

Live Organisms Present	Y	N
Oil Present	Y	N
Odor Present	Y	N
Debris Present	Y	N
Within 10% of Req'd Core Length	Y	N
Photo	Y	N

Pushcorer Slambar

Eckman Ponar: Standard / Petite

Box Core

MLW #td ver 030615

AQUA SURVEY, INC.

SEDIMENT CORE LOG

Client :	Weston Solutions, Inc.		Project :	Coney Island Creek, Brooklyn, NY		Logger:	AD	
Job#:	41-047	Date:	4/23/21	Time:	0926	Crew:	AF	
Coordinates:	N	150210.9	E	987452.3		Vessel:	Tesla	
Core # :	9	Zone:NYLI	Datum NAD 83			Deploy:	1	2	3
Project Depth (incl. Overdredge) [PD] [ft] MLW::				Core Penetration Length (ft.):			7.5		
Measured Water Depth [MWD] [ft.]:		2.2		Recovered Core Length (ft.):			6.3		
Tide Adjust [TA] (+/- ft. from MLLW) [ft.]:		1.5		Sample Length Retained (ft.):					
Corrected Depth @ MLLW [ft.]:				Core Volume Retained (gal.):					
+ MLW Adjustment [ft.]		0.2		Collected to Project Depth:			Y / N		
Corrected Depth @ MLW [ft.]:									
Required Sample Core Length [SCL] [ft.]:									

All Length Measurements are in Decimal Feet

Sample Interval (ft.)	Sample Id #	Description
Top 0.0		Gray silty sand.
6.3		
Bottom		

# of containers:				
Type of container:	bucket	hardliner	cup	other

Conditions:

Comments: Core to client.

Core Volumes

Nominal core-barrel diameter	EST. Volume
3.0"	.25 gal/ft
3.5" 8.0"	.33 gal/ft
(4.0")	.50 gal/ft

Liner Type: (Soft) Hard

Vibracorer: (P3) P5 VT6 Other

Live Organisms Present	Y	N
Oil Present	Y	N
Odor Present	Y	N
Debris Present	Y	N
Within 10% of Req'd Core Length	Y	N
Photo	Y	N

Pushcorer Slambar

Eckman Ponar: Standard / Petite

Box Core

MLW #td ver 030615

AQUA SURVEY, INC.

SEDIMENT CORE LOG

Client :	Weston Solutions, Inc.		Project :	Coney Island Creek, Brooklyn, NY		Logger:	MD	
Job#:	41-047	Date:	4/26/21	Time:	0959	Crew:	AF	
Coordinates:	N	150511.2	E	987878.9		Vessel:	Tesla	
Core # :	10	Zone:NYLI	Datum NAD 83			Deploy:	1	2	3
Project Depth (incl. Overdredge) [PD] [ft] MLW::				Core Penetration Length (ft.):			6.0		
Measured Water Depth [MWD] [ft.]:		3.0		Recovered Core Length (ft.):			5.4		
Tide Adjust [TA] (+/- ft. from MLLW) [ft.]:		2.9		Sample Length Retained (ft.):			-		
Corrected Depth @ MLLW [ft.]:				Core Volume Retained (gal.):			-		
+ MLW Adjustment [ft.]		0.2		Collected to Project Depth:			Y / N		
Corrected Depth @ MLW [ft.]:									
Required Sample Core Length [SCL] [ft.]:									

All Length Measurements are in Decimal Feet

Sample Interval (ft.)	Sample Id #	Description
Top 0.0		Dark gray silt.
3.5		
		Dark gray sand with silt.
5.4		
Bottom		

# of containers:				
Type of container:	bucket	hardliner	cup	other

Conditions:

Comments: Core to client.

Core Volumes

Nominal core-barrel diameter	EST. Volume
3.0"	.25 gal/ft
3.5" 8.0"	.33 gal/ft
(4.0")	.50 gal/ft

Liner Type: (Soft) Hard

Vibracorer: (P3) P5 VT6 Other

Live Organisms Present	Y	N
Oil Present	Y	N
Odor Present	Y	N
Debris Present	Y	N
Within 10% of Req'd Core Length	Y	N
Photo	Y	N

Pushcorer Slambar

Eckman Ponar: Standard / Petite

Box Core

MLW #td ver 030615

AQUA SURVEY, INC.

SEDIMENT CORE LOG

Client :	Weston Solutions, Inc.		Project :	Coney Island Creek, Brooklyn, NY		Logger:	MD	
Job#:	41-047	Date:	4/26/21	Time:	1055	Crew:	AF	
Coordinates:	N	151110.0	E	988059.5		Vessel:	Tesla	
Core # :	11	Zone:NYLI	Datum NAD 83			Deploy:	1	2	3
Project Depth (incl. Overdredge) [PD] [ft] MLW::				Core Penetration Length (ft.):			4.0		
Measured Water Depth [MWD] [ft.]:		4.3		Recovered Core Length (ft.):			3.4		
Tide Adjust [TA] (+/- ft. from MLLW) [ft.]:		2.1		Sample Length Retained (ft.):			-		
Corrected Depth @ MLLW [ft.]:				Core Volume Retained (gal.):			-		
+ MLW Adjustment [ft.]		0.2		Collected to Project Depth:			Y / N		
Corrected Depth @ MLW [ft.]:									
Required Sample Core Length [SCL] [ft.]:									

All Length Measurements are in Decimal Feet

Sample Interval (ft.)	Sample Id #	Description
Top 0.0		Dark gray silty sand
3.4		
Bottom		

# of containers:				
Type of container:	bucket	hardliner	cup	other

Conditions:

Comments: Core to client.

Core Volumes

Nominal core-barrel diameter	EST. Volume
3.0"	.25 gal/ft
3.5" 8.0"	.33 gal/ft
(4.0")	.50 gal/ft

Liner Type: (Soft) Hard

Vibracorer: (P3) P5 VT6 Other

Live Organisms Present	Y	N
Oil Present	Y	N
Odor Present	Y	N
Debris Present	Y	N
Within 10% of Req'd Core Length	Y	N
Photo	Y	N

Pushcorer Slambar

Eckman Ponar: Standard / Petite

Box Core

MLW #td ver 030615

AQUA SURVEY, INC.

SEDIMENT CORE LOG

Client :	Weston Solutions, Inc.		Project :	Coney Island Creek, Brooklyn, NY		Logger:	MD	
Job#:	41-047	Date:	4/26/21	Time:	1142	Crew:	AF	
Coordinates:	N	151608.0	E	988626.7		Vessel:	Tesla	
Core # :	12	Zone:NYLI	Datum NAD 83			Deploy:	1	2	3
Project Depth (incl. Overdredge) [PD] [ft] MLW::				Core Penetration Length (ft.):			3.0	3.0	3.5
Measured Water Depth [MWD] [ft.]:		5.7		Recovered Core Length (ft.):			2.4	1.8	1.0
Tide Adjust [TA] (+/- ft. from MLLW) [ft.]:		1.4		Sample Length Retained (ft.):			-	-	-
Corrected Depth @ MLLW [ft.]:				Core Volume Retained (gal.):			-	-	-
+ MLW Adjustment [ft.]		0.2		Collected to Project Depth:			Y / N		
Corrected Depth @ MLW [ft.]:									
Required Sample Core Length [SCL] [ft.]:									

All Length Measurements are in Decimal Feet

Sample Interval (ft.)	Sample Id #	Description
Top 0.0		Dark gray sand with stone.
2.4		
Bottom		

# of containers:				
Type of container:	bucket	hardliner	cup	other

Conditions:

Comments:

Core Volumes

Nominal core-barrel diameter	EST. Volume
3.0"	.25 gal/ft
3.5" 8.0"	.33 gal/ft
(4.0")	.50 gal/ft

Liner Type: (Soft) Hard

Vibracorer: (P3) P5 VT6 Other

Live Organisms Present	Y	N
Oil Present	Y	N
Odor Present	Y	N
Debris Present	Y	N
Within 10% of Req'd Core Length	Y	N
Photo	Y	N

Pushcorer Slambar

Eckman Ponar: Standard / Petite

Box Core

MLW #td ver 030615

AQUA SURVEY, INC.

SEDIMENT CORE LOG

Client :	Weston Solutions, Inc.		Project :	Coney Island Creek, Brooklyn, NY		Logger:	MD	
Job#:	41-047	Date:	4/26/21	Time:	1237	Crew:	AF	
Coordinates:	N	151741.4	E	988823.7		Vessel:	Tesla	
Core # :	13	Zone:NYLI	Datum NAD 83			Deploy:	1	2	3
Project Depth (incl. Overdredge) [PD] [ft] MLW::				Core Penetration Length (ft.):			8.0		
Measured Water Depth [MWD] [ft.]:		5.8		Recovered Core Length (ft.):			6.4		
Tide Adjust [TA] (+/- ft. from MLLW) [ft.]:		0.2		Sample Length Retained (ft.):			-		
Corrected Depth @ MLLW [ft.]:				Core Volume Retained (gal.):			-		
+ MLW Adjustment [ft.]		0.2		Collected to Project Depth:			Y / N		
Corrected Depth @ MLW [ft.]:									
Required Sample Core Length [SCL] [ft.]:									

All Length Measurements are in Decimal Feet

Sample Interval (ft.)	Sample Id #	Description
Top 0.0		Dark gray silty sand.
6.4		
Bottom		

# of containers:				
Type of container:	bucket	hardliner	cup	other

Conditions:

Comments: Core to client.

Core Volumes

Nominal core-barrel diameter	EST. Volume
3.0"	.25 gal/ft
3.5" 8.0"	.33 gal/ft
(4.0")	.50 gal/ft

Liner Type: (Soft) Hard

Vibracorer: (P3) P5 VT6 Other

Live Organisms Present	Y	N
Oil Present	Y	N
Odor Present	Y	N
Debris Present	Y	N
Within 10% of Req'd Core Length	Y	N
Photo	Y	N

Pushcorer Slambar

Eckman Ponar: Standard / Petite

Box Core

MLW #td ver 030615

AQUA SURVEY, INC.

SEDIMENT CORE LOG

Client :	Weston Solutions, Inc.		Project :	Coney Island Creek, Brooklyn, NY		Logger:	MD	
Job#:	41-047	Date:	4/27/21	Time:	1050	Crew:	AF	
Coordinates:	N	151489.3	E	989175.3		Vessel:	Jon Boat	
Core # :	14	Zone:NYLI	Datum NAD 83			Deploy:	1	2	3
Project Depth (incl. Overdredge) [PD] [ft] MLW::						Core Penetration Length (ft.):	3.0		
Measured Water Depth [MWD] [ft.]:						Recovered Core Length (ft.):	2.3		
Tide Adjust [TA] (+/- ft. from MLLW) [ft.]:						Sample Length Retained (ft.):	-		
Corrected Depth @ MLLW [ft.]:						Core Volume Retained (gal.):	-		
+ MLW Adjustment [ft.]	0.2					Collected to Project Depth:	Y / N		
Corrected Depth @ MLW [ft.]:									
Required Sample Core Length [SCL] [ft.]:									

All Length Measurements are in Decimal Feet

Sample Interval (ft.)	Sample Id #	Description
Top 0.0		Brown sand with rocks
1.8		
		Dark gray silt, with rocks
2.3		
Bottom		

# of containers:				
Type of container:	bucket	hardliner	cup	other

Conditions:

Comments: Core to client.

Core Volumes

Nominal core-barrel diameter	EST. Volume
3.0"	.25 gal/ft
3.5" 8.0"	.33 gal/ft
(4.0")	.50 gal/ft

Liner Type: (Soft) Hard

Vibracorer: P3 P5 VT6 Other

Live Organisms Present	Y	N
Oil Present	Y	N
Odor Present	Y	N
Debris Present	Y	N
Within 10% of Req'd Core Length	Y	N
Photo	Y	N

Pushcorer (Slambar)

Eckman Ponar: Standard / Petite

Box Core

MLW #td ver 030615

AQUA SURVEY, INC.

SEDIMENT CORE LOG

Client :	Weston Solutions, Inc.		Project :	Coney Island Creek, Brooklyn, NY		Logger:	MD	
Job#:	41-047	Date:	4/27/21	Time:	1118	Crew:	AF	
Coordinates:	N	151196.1	E	989405.4		Vessel:	Jon Boat	
Core # :	15	Zone:NYLI	Datum NAD 83			Deploy:	1	2	3
Project Depth (incl. Overdredge) [PD] [ft] MLW::						Core Penetration Length (ft.):	4.5		
Measured Water Depth [MWD] [ft.]:						Recovered Core Length (ft.):	4.0		
Tide Adjust [TA] (+/- ft. from MLLW) [ft.]:						Sample Length Retained (ft.):	-		
Corrected Depth @ MLLW [ft.]:						Core Volume Retained (gal.):	-		
+ MLW Adjustment [ft.]	0.2					Collected to Project Depth:	Y / N		
Corrected Depth @ MLW [ft.]:									
Required Sample Core Length [SCL] [ft.]:									

All Length Measurements are in Decimal Feet

Sample Interval (ft.)	Sample Id #	Description
Top 0.0		Dark gray silt
1.0		
		Gray sandy clay
4.0		
Bottom		

# of containers:				
Type of container:	bucket	hardliner	cup	other

Conditions:

Comments: Core to client,

Core Volumes

Nominal core-barrel diameter	EST. Volume
3.0"	.25 gal/ft
3.5" 8.0"	.33 gal/ft
(4.0")	.50 gal/ft

Liner Type: (Soft) Hard

Vibracorer: P3 P5 VT6 Other

Live Organisms Present	Y	N
Oil Present	Y	N
Odor Present	Y	N
Debris Present	Y	N
Within 10% of Req'd Core Length	Y	N
Photo	Y	N

Pushcorer (Slambar)

Eckman Ponar: Standard / Petite

Box Core

MLW #td ver 030615

AQUA SURVEY, INC.

SEDIMENT CORE LOG

Client :	Weston Solutions, Inc.		Project :	Coney Island Creek, Brooklyn, NY		Logger:	MD	
Job#:	41-047	Date:	4/27/21	Time:	1236	Crew:	AF	
Coordinates:	N	150929.2	E	989678.2		Vessel:	Jon Boat	
Core # :	16	Zone:NYLI	Datum NAD 83			Deploy:	1	2	3
Project Depth (incl. Overdredge) [PD] [ft] MLW::				Core Penetration Length (ft.):				
Measured Water Depth [MWD] [ft.]:				Recovered Core Length (ft.):				
Tide Adjust [TA] (+/- ft. from MLLW) [ft.]:				Sample Length Retained (ft.):				
Corrected Depth @ MLLW [ft.]:				Core Volume Retained (gal.):				
+ MLW Adjustment [ft.]	0.2			Collected to Project Depth:		Y / N		
Corrected Depth @ MLW [ft.]:								
Required Sample Core Length [SCL] [ft.]:								

All Length Measurements are in Decimal Feet

Sample Interval (ft.)	Sample Id #	Description
Top 0.0		
Bottom		

# of containers:				
Type of container:	bucket	hardliner	cup	other

Conditions:

Comments: Core to client.

Core Volumes

Nominal core-barrel diameter	EST. Volume
3.0"	.25 gal/ft
3.5" 8.0"	.33 gal/ft
(4.0")	.50 gal/ft

Liner Type: (Soft) Hard

Vibracorer: P3 P5 VT6 Other

Live Organisms Present	Y	N
Oil Present	Y	N
Odor Present	Y	N
Debris Present	Y	N
Within 10% of Req'd Core Length	Y	N
Photo	Y	N

Pushcorer Slambar

Eckman Ponar: Standard / (Petite)

Box Core

MLW #td ver 030615

AQUA SURVEY, INC.

SEDIMENT CORE LOG

Client :	Weston Solutions, Inc.		Project :	Coney Island Creek, Brooklyn, NY		Logger:	MD	
Job#:	41-047	Date:	4/27/21	Time:	1231	Crew:	AF	
Coordinates:	N	150587.7	E	989911.8		Vessel:	Jon Boat	
Core # :	17	Zone:NYLI	Datum NAD 83			Deploy:	1	2	3
Project Depth (incl. Overdredge) [PD] [ft] MLW::				Core Penetration Length (ft.):				
Measured Water Depth [MWD] [ft.]:				Recovered Core Length (ft.):				
Tide Adjust [TA] (+/- ft. from MLLW) [ft.]:				Sample Length Retained (ft.):				
Corrected Depth @ MLLW [ft.]:				Core Volume Retained (gal.):				
+ MLW Adjustment [ft.]	0.2			Collected to Project Depth:		Y / N		
Corrected Depth @ MLW [ft.]:								
Required Sample Core Length [SCL] [ft.]:								

All Length Measurements are in Decimal Feet

Sample Interval (ft.)	Sample Id #	Description
Top 0.0		
Bottom		

# of containers:				
Type of container:	bucket	hardliner	cup	other

Conditions:

Comments: Core to client.

Core Volumes

Nominal core-barrel diameter	EST. Volume
3.0"	.25 gal/ft
3.5" 8.0"	.33 gal/ft
(4.0")	.50 gal/ft

Liner Type: (Soft) Hard

Vibracorer: P3 P5 VT6 Other

Live Organisms Present	Y	N
Oil Present	Y	N
Odor Present	Y	N
Debris Present	Y	N
Within 10% of Req'd Core Length	Y	N
Photo	Y	N

Pushcorer Slambar

Eckman Ponar: Standard (Petite)

Box Core

MLW #td ver 030615

AQUA SURVEY, INC.

SEDIMENT CORE LOG

Client :	Weston Solutions, Inc.		Project :	Coney Island Creek, Brooklyn, NY		Logger:	MD	
Job#:	41-047	Date:	4/27/21	Time:	1226	Crew:	AF	
Coordinates:	N	150830.3	E	990349.3		Vessel:	Jon Boat	
Core # :	18	Zone:NYLI	Datum NAD 83			Deploy:	1	2	3
Project Depth (incl. Overdredge) [PD] [ft] MLW::				Core Penetration Length (ft.):				
Measured Water Depth [MWD] [ft.]:				Recovered Core Length (ft.):				
Tide Adjust [TA] (+/- ft. from MLLW) [ft.]:				Sample Length Retained (ft.):				
Corrected Depth @ MLLW [ft.]:				Core Volume Retained (gal.):				
+ MLW Adjustment [ft.]	0.2			Collected to Project Depth:		Y / N		
Corrected Depth @ MLW [ft.]:								
Required Sample Core Length [SCL] [ft.]:								

All Length Measurements are in Decimal Feet

Sample Interval (ft.)	Sample Id #	Description
Top 0.0		
Bottom		

# of containers:				
Type of container:	bucket	hardliner	cup	other

Conditions:

Comments: Core to client.

Core Volumes

Nominal core-barrel diameter	EST. Volume
3.0"	.25 gal/ft
3.5" 8.0"	.33 gal/ft
(4.0")	.50 gal/ft

Liner Type: (Soft) Hard

Vibracorer: P3 P5 VT6 Other

Live Organisms Present	Y	N
Oil Present	Y	N
Odor Present	Y	N
Debris Present	Y	N
Within 10% of Req'd Core Length	Y	N
Photo	Y	N

Pushcorer Slambar

Eckman Ponar: Standard / (Petite)

Box Core

MLW #td ver 030615

AQUA SURVEY, INC.

SEDIMENT CORE LOG

Client :	Weston Solutions, Inc.		Project :	Coney Island Creek, Brooklyn, NY		Logger:	MD	
Job#:	41-047	Date:	4/27/21	Time:	1205	Crew:	AF	
Coordinates:	N	151094.4	E	990691.6		Vessel:	Jon Boat	
Core # :	19	Zone:NYLI	Datum NAD 83			Deploy:	1	2	3
Project Depth (incl. Overdredge) [PD] [ft] MLW::						Core Penetration Length (ft.):			
Measured Water Depth [MWD] [ft.]:						Recovered Core Length (ft.):			
Tide Adjust [TA] (+/- ft. from MLLW) [ft.]:						Sample Length Retained (ft.):			
Corrected Depth @ MLLW [ft.]:						Core Volume Retained (gal.):			
+ MLW Adjustment [ft.]	0.2					Collected to Project Depth:	Y / N		
Corrected Depth @ MLW [ft.]:									
Required Sample Core Length [SCL] [ft.]:									

All Length Measurements are in Decimal Feet

Sample Interval (ft.)	Sample Id #	Description
Top 0.0		
Bottom		

# of containers:				
Type of container:	bucket	hardliner	cup	other

Conditions:

Comments: Core to client.

Core Volumes

Nominal core-barrel diameter	EST. Volume
3.0"	.25 gal/ft
3.5" 8.0"	.33 gal/ft
(4.0")	.50 gal/ft

Liner Type: (Soft) Hard

Vibracorer: P3 P5 VT6 Other

Live Organisms Present	Y	N
Oil Present	Y	N
Odor Present	Y	N
Debris Present	Y	N
Within 10% of Req'd Core Length	Y	N
Photo	Y	N

Pushcorer Slambar

Eckman Ponar: Standard / (Petite)

Box Core

MLW #td ver 030615

AQUA SURVEY, INC.

SEDIMENT CORE LOG

Client :	Weston Solutions, Inc.		Project :	Coney Island Creek, Brooklyn, NY		Logger:	MD	
Job#:	41-047	Date:	4/27/21	Time:	1155	Crew:	AF	
Coordinates:	N	151517.0	E	991086.9		Vessel:	Jon Boat	
Core # :	20	Zone:NYLI	Datum	NAD 83		Deploy:	1	2	3
Project Depth (incl. Overdredge) [PD] [ft] MLW::					Core Penetration Length (ft.):			
Measured Water Depth [MWD] [ft.]:					Recovered Core Length (ft.):			
Tide Adjust [TA] (+/- ft. from MLLW) [ft.]:					Sample Length Retained (ft.):			
Corrected Depth @ MLLW [ft.]:					Core Volume Retained (gal.):			
+ MLW Adjustment [ft.]	0.2				Collected to Project Depth:	Y / N		
Corrected Depth @ MLW [ft.]:								
Required Sample Core Length [SCL] [ft.]:								

All Length Measurements are in Decimal Feet

Sample Interval (ft.)	Sample Id #	Description
Top 0.0		
Bottom		

# of containers:				
Type of container:	bucket	hardliner	cup	other

Conditions:

Comments: Core to client.

Core Volumes

Nominal core-barrel diameter	EST. Volume
3.0"	.25 gal/ft
3.5" 8.0"	.33 gal/ft
(4.0")	.50 gal/ft

Liner Type: (Soft) Hard

Vibracorer: P3 P5 VT6 Other

Live Organisms Present	Y	N
Oil Present	Y	N
Odor Present	Y	N
Debris Present	Y	N
Within 10% of Req'd Core Length	Y	N
Photo	Y	N

Pushcorer Slambar

Eckman Ponar: Standard / (Petite)

Box Core

MLW #td ver 030615

AQUA SURVEY, INC.

SEDIMENT CORE LOG

Client :	Weston Solutions, Inc.		Project :	Coney Island Creek, Brooklyn, NY		Logger:	MD	
Job#:	41-047	Date:	4/20/21	Time:	1227	Crew:	AF	
Coordinates:	N	152694.0	E	1007120.0		Vessel:	Tesla	
Core # :	22	Zone:NYLI	Datum NAD 83			Deploy:	1	2	3
Project Depth (incl. Overdredge) [PD] [ft] MLW::				Core Penetration Length (ft.):			7.5		
Measured Water Depth [MWD] [ft.]:		3.2		Recovered Core Length (ft.):			6.7		
Tide Adjust [TA] (+/- ft. from MLLW) [ft.]:		3.1		Sample Length Retained (ft.):			-		
Corrected Depth @ MLLW [ft.]:				Core Volume Retained (gal.):			-		
+ MLW Adjustment [ft.]		0.2		Collected to Project Depth:			Y / N		
Corrected Depth @ MLW [ft.]:									
Required Sample Core Length [SCL] [ft.]:									

All Length Measurements are in Decimal Feet

Sample Interval (ft.)	Sample Id #	Description
Top 0.0		Gray clay with silt and fine sand.
2.0		
		Gray silty clay with trace of sand.
6.7		
Bottom		

# of containers:				
Type of container:	bucket	hardliner	cup	other

Conditions:

Comments: Core to client.

Core Volumes

Nominal core-barrel diameter	EST. Volume
3.0"	.25 gal/ft
3.5" 8.0"	.33 gal/ft
(4.0")	.50 gal/ft

Liner Type: (Soft) Hard

Vibracorer: (P3) P5 VT6 Other

Live Organisms Present	Y	N
Oil Present	Y	N
Odor Present	Y	N
Debris Present	Y	N
Within 10% of Req'd Core Length	Y	N
Photo	Y	N

Pushcorer Slambar

Eckman Ponar: Standard / Petite

Box Core

MLW #td ver 030615

AQUA SURVEY, INC.

SEDIMENT CORE LOG

Client :	Weston Solutions, Inc.		Project :	Coney Island Creek, Brooklyn, NY		Logger:	MD	
Job#:	41-047	Date:	4/20/21	Time:	1139	Crew:	AF	
Coordinates:	N	152372.0	E	1005647.0		Vessel:	Tesla	
Core # :	23	Zone:NYLI	Datum NAD 83			Deploy:	1	2	3
Project Depth (incl. Overdredge) [PD] [ft] MLW::				Core Penetration Length (ft.):			8.0		
Measured Water Depth [MWD] [ft.]:		3.2		Recovered Core Length (ft.):			7.2		
Tide Adjust [TA] (+/- ft. from MLLW) [ft.]:		2.5		Sample Length Retained (ft.):			-		
Corrected Depth @ MLLW [ft.]:				Core Volume Retained (gal.):			-		
+ MLW Adjustment [ft.]		0.2		Collected to Project Depth:			Y / N		
Corrected Depth @ MLW [ft.]:									
Required Sample Core Length [SCL] [ft.]:									

All Length Measurements are in Decimal Feet

Sample Interval (ft.)	Sample Id #	Description
Top 0.0		Gray silty sand.
2.0		
		Gray clay with trace of sand and silt.
7.2		
Bottom		

# of containers:				
Type of container:	bucket	hardliner	cup	other

Conditions:

Comments: Core to client.

Core Volumes

Nominal core-barrel diameter	EST. Volume
3.0"	.25 gal/ft
3.5" 8.0"	.33 gal/ft
(4.0")	.50 gal/ft

Liner Type: (Soft) Hard

Vibracorer: (P3) P5 VT6 Other

Live Organisms Present	Y	N
Oil Present	Y	N
Odor Present	Y	N
Debris Present	Y	N
Within 10% of Req'd Core Length	Y	N
Photo	Y	N

Pushcorer Slambar

Eckman Ponar: Standard / Petite

Box Core

MLW #td ver 030615

AQUA SURVEY, INC.

SEDIMENT CORE LOG

Client :	Weston Solutions, Inc.		Project :	Coney Island Creek, Brooklyn, NY		Logger:	MD	
Job#:	41-047	Date:	4/20/21	Time:	1038	Crew:	AF	
Coordinates:	N	153260.4	E	1003761.3		Vessel:	Tesla	
Core # :	24	Zone:NYLI	Datum NAD 83			Deploy:	1	2	3
Project Depth (incl. Overdredge) [PD] [ft] MLW::				Core Penetration Length (ft.):			8.0		
Measured Water Depth [MWD] [ft.]:		16.3		Recovered Core Length (ft.):			6.6		
Tide Adjust [TA] (+/- ft. from MLLW) [ft.]:		1.7		Sample Length Retained (ft.):			-		
Corrected Depth @ MLLW [ft.]:				Core Volume Retained (gal.):			-		
+ MLW Adjustment [ft.]		0.2		Collected to Project Depth:			Y / N		
Corrected Depth @ MLW [ft.]:									
Required Sample Core Length [SCL] [ft.]:									

All Length Measurements are in Decimal Feet

Sample Interval (ft.)	Sample Id #	Description
Top 0.0		Dark gray sand with silt.
5.0		
		Dark gray silt.
6.6		
Bottom		

# of containers:				
Type of container:	bucket	hardliner	cup	other

Conditions:

Comments: Core to client.

Core Volumes

Nominal core-barrel diameter	EST. Volume
3.0"	.25 gal/ft
3.5" 8.0"	.33 gal/ft
(4.0")	.50 gal/ft

Liner Type: (Soft) Hard

Vibracorer: (P3) P5 VT6 Other

Live Organisms Present	Y	N
Oil Present	Y	N
Odor Present	Y	N
Debris Present	Y	N
Within 10% of Req'd Core Length	Y	N
Photo	Y	N

Pushcorer Slambar

Eckman Ponar: Standard / Petite

Box Core

MLW #td ver 030615

AQUA SURVEY, INC.

SEDIMENT CORE LOG

Client :	Weston Solutions, Inc.		Project :	Coney Island Creek, Brooklyn, NY		Logger:	MD	
Job#:	41-047	Date:	4/20/21	Time:	0846	Crew:	AF	
Coordinates:	N	155732.7	E	1003031.5		Vessel:	Tesla	
Core # :	25	Zone:NYLI	Datum NAD 83			Deploy:	1	2	3
Project Depth (incl. Overdredge) [PD] [ft] MLW::				Core Penetration Length (ft.):			0.0	8.0	
Measured Water Depth [MWD] [ft.]:		18.6		Recovered Core Length (ft.):			0.0	5.2	
Tide Adjust [TA] (+/- ft. from MLLW) [ft.]:		1.2		Sample Length Retained (ft.):			-	-	
Corrected Depth @ MLLW [ft.]:				Core Volume Retained (gal.):			-	-	
+ MLW Adjustment [ft.]		0.2		Collected to Project Depth:			Y / N		
Corrected Depth @ MLW [ft.]:									
Required Sample Core Length [SCL] [ft.]:									

All Length Measurements are in Decimal Feet

Sample Interval (ft.)	Sample Id #	Description
Top 0.0		Deploy 2: N 155738.1, E 1003087.5
0.0		Gray sand with trace of clay.
1.0		
		Dark gray silty clay.
2.2		
		Dark gray silt.
5.2		
Bottom		

# of containers:				
Type of container:	bucket	hardliner	cup	other

Conditions:

Comments: Core to client.

Core Volumes

Nominal core-barrel diameter	EST. Volume
3.0"	.25 gal/ft
3.5" 8.0"	.33 gal/ft
(4.0")	.50 gal/ft

Liner Type: (Soft) Hard

Vibracorer: (P3) P5 VT6 Other

Live Organisms Present	Y	N
Oil Present	Y	N
Odor Present	Y	N
Debris Present	Y	N
Within 10% of Req'd Core Length	Y	N
Photo	Y	N

Pushcorer Slambar

Eckman Ponar: Standard / Petite

Box Core

MLW #td ver 030615

U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

The National Map US Topo

CONEY ISLAND QUADRANGLE
NEW YORK - NEW JERSEY
7.5-MINUTE SERIES



Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and
1 000-meter grid:Universal Transverse Mercator, Zone 18T

This map is not a legal document. Boundaries may be generalized for this map scale. Private lands within government reservations may not be shown. Obtain permission before entering private lands.

Imagery.....NAIP, August 2017 - December 2017
Roads..... U.S. Census Bureau, 2016
Names.....GNIS, 1979 - 2019
Hydrography.....National Hydrography Dataset, 1899 - 2018
Contours.....National Elevation Dataset, 2013 - 2015
Boundaries.....Multiple sources; see metadata file 2017 - 2018

Wetlands.....FWS National Wetlands Inventory 2004

MN
GN
12°51′ 228 MILS
0°41′ 12 MILS
UTM GRID AND 2019 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

U.S. National Grid
100,000-m Square ID
WK
Grid Zone Designation 18T

SCALE 1:24 000
1 0.5 0 KILOMETERS 1 2
1000 500 0 METERS 1000 2000
1 0.5 0 1
MILES
1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000
FEET

CONTOUR INTERVAL 5 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the National Geospatial Program US Topo Product Standard, 2011.
A metadata file associated with this product is draft version 0.6.18

NEW YORK
QUADRANGLE LOCATION

1 2 3
4 5
6 7
ADJOINING QUADRANGLES

1 Jersey City
2 Brooklyn
3 Jamaica
4 The Narrows
5 Far Rockaway
6 Sandy Hook West
7 Sandy Hook East

ROAD CLASSIFICATION
Expressway
Secondary Hwy
Ramp
Local Connector
Local Road
4WD
Interstate Route
US Route
State Route

CONEY ISLAND, NY, NJ
2019

NSN 7643016386581
NGA REF NO. USGSX24K9845

involuntarily obtains ownership or control of property by virtue of its function as sovereign;

(2) Acquisitions by or transfers to a government entity or its agent (including governmental lending and credit institutions, loan guarantors, loan insurers, and financial regulatory entities which acquire security interests or properties of failed private lending or depository institutions) acting as a conservator or receiver pursuant to a clear and direct statutory mandate or regulatory authority;

(3) Acquisitions or transfers of assets through foreclosure and its equivalents (as defined in 40 CFR 300.1100(d)(1)) or other means by a Federal, state, or local government entity in the course of administering a governmental loan or loan guarantee or loan insurance program; and

(4) Acquisitions by or transfers to a government entity pursuant to seizure or forfeiture authority.

(b) Nothing in this section or in CERCLA section 101(20)(D) or section 101(35)(A)(ii) affects the applicability of 40 CFR 300.1100 to any security interest, property, or asset acquired pursuant to an involuntary acquisition or transfer, as described in this section.

NOTE TO PARAGRAPHS (a)(3) AND (b OF THIS SECTION: Reference to 40 CFR 300.1100 is a reference to the provisions regarding secured creditors in CERCLA sections 101(20)(E)–(G), 42 U.S.C. 9601(20)(E)–(G). *See* Section 2504(a) of the Asset Conservation, Lender Liability, and Deposit Insurance Protection Act, Public Law, 104–208, 110 Stat. 3009–462, 3009–468 (1996).

APPENDIX A TO PART 300—THE HAZARD RANKING SYSTEM

Table of Contents

List of Figures
List of Tables
1.0. Introduction.
1.1 Definitions.
2.0 Evaluations Common to Multiple Pathways.
2.1 Overview.
2.1.1 Calculation of HRS site score.
2.1.2 Calculation of pathway score.
2.1.3 Common evaluations.
2.2 Characterize sources.
2.2.1 Identify sources.
2.2.2 Identify hazardous substances associated with a source.
2.2.3 Identify hazardous substances available to a pathway.
2.3 Likelihood of release.
2.4 Waste characteristics.
2.4.1 Selection of substance potentially posing greatest hazard.
2.4.1.1 Toxicity factor.
2.4.1.2 Hazardous substance selection.
2.4.2 Hazardous waste quantity.
2.4.2.1 Source hazardous waste quantity.
2.4.2.1.1 Hazardous constituent quantity.
2.4.2.1.2 Hazardous wastestream quantity.
2.4.2.1.3 Volume.
2.4.2.1.4 Area.
2.4.2.1.5 Calculation of source hazardous waste quantity value.
2.4.2.2 Calculation of hazardous waste quantity factor value.
2.4.3 Waste characteristics factor category value.
2.4.3.1 Factor category value.
2.4.3.2 Factor category value, considering bioaccumulation potential.
2.5 Targets.
2.5.1 Determination of level of actual contamination at a sampling location.
2.5.2 Comparison to benchmarks.
3.0 Ground Water Migration Pathway.
3.0.1 General considerations.
3.0.1.1 Ground water target distance limit.
3.0.1.2 Aquifer boundaries.
3.0.1.2.1 Aquifer interconnections.
3.0.1.2.2 Aquifer discontinuities.
3.0.1.3 Karst aquifer.
3.1 Likelihood of release.
3.1.1 Observed release.
3.1.2 Potential to release.
3.1.2.1 Containment.
3.1.2.2 Net precipitation.
3.1.2.3 Depth to aquifer.
3.1.2.4 Travel time.
3.1.2.5 Calculation of potential to release factor value.
3.1.3 Calculation of likelihood of release factor category value.
3.2 Waste characteristics.
3.2.1 Toxicity/mobility.
3.2.1.1 Toxicity.
3.2.1.2 Mobility.
3.2.1.3 Calculation of toxicity/mobility factor value.
3.2.2 Hazardous waste quantity.
3.2.3 Calculation of waste characteristics factor category value.
3.3 Targets.
3.3.1 Nearest well.
3.3.2 Population.
3.3.2.1 Level of contamination.
3.3.2.2 Level I concentrations.
3.3.2.3 Level II concentrations.
3.3.2.4 Potential contamination.
3.3.2.5 Calculation of population factor value.
3.3.3 Resources.
3.3.4 Wellhead Protection Area.
3.3.5 Calculation of targets factor category value.
3.4 Ground water migration score for an aquifer.

below, an area of observed exposure (see section 5.2.0).

2.3 *Likelihood of release.* Likelihood of release is a measure of the likelihood that a waste has been or will be released to the environment. The likelihood of release factor category is assigned the maximum value of 550 for a migration pathway whenever the criteria for an observed release are met for that pathway. If the criteria for an observed release are met, do not evaluate potential to release for that pathway. When the criteria for an observed release are not met, evaluate potential to release for that pathway, with a maximum value of 500. The evaluation of potential to release varies by migration pathway (see sections 3, 4 and 6).

Establish an observed release either by direct observation of the release of a hazardous substance into the media being evaluated (for example, surface water) or by chemical analysis of samples appropriate to the pathway being evaluated (see sections 3, 4 and 6). The minimum standard to establish an observed release by chemical analysis is analytical evidence of a hazardous substance in the media significantly above the background level. Further, some portion of the release must be attributable to the site. Use the criteria in Table 2–3 as the standard for determining analytical significance. (The criteria in Table 2–3 are also used in establishing observed contamination for the soil exposure component and for establishing areas of observed exposure and areas of subsurface contamination in the subsurface intrusion component of the soil exposure and subsurface intrusion pathway, see section 5.1.0 and section 5.2.0). Separate criteria apply to radionuclides (see section 7.1.1).

TABLE 2–3—OBSERVED RELEASE CRITERIA FOR CHEMICAL ANALYSIS

Sample Measurement < Sample Quantitation Limit.[a]
No observed release is established.
Sample Measurement ≥ Sample Quantitation Limit.[a]
An observed release is established as follows:
• If the background concentration is not detected (or is less than the detection limit), an observed release is established when the sample measurement equals or exceeds the sample quantitation limit.[a]
• If the background concentration equals or exceeds the detection limit, an observed release is established when the sample measurement is 3 times or more above the background concentration.

[a] If the sample quantitation limit (SQL) cannot be established, determine if there is an observed release as follows:
—If the sample analysis was performed under the EPA Contract Laboratory Program, use the EPA contract-required quantitation limit (CRQL) in place of the SQL.
—If the sample analysis is not performed under the EPA Contract Laboratory Program, use the detection limit (DL) in place of the SQL.

2.4 *Waste characteristics.* The waste characteristics factor category includes the following factors: Hazardous waste quantity, toxicity, and as appropriate to the pathway or threat being evaluated, mobility, persistence, degradation, and/or bioaccumulation (or ecosystem bioaccumulation) potential.

2.4.1 *Selection of substance potentially posing greatest hazard.* For all pathways (components and threats), select the hazardous substance potentially posing the greatest hazard for the pathway (component or threat) and use that substance in evaluating the waste characteristics category of the pathway (component or threat). For the three migration pathways (and threats), base the selection of this hazardous substance on the toxicity factor value for the substance, combined with its mobility, persistence, and/or bioaccumulation (or ecosystem bioaccumulation) potential factor values, as applicable to the migration pathway (or threat). For the soil exposure component of the soil exposure and subsurface intrusion pathway, base the selection on the toxicity factor alone. For the subsurface intrusion component of the soil exposure and subsurface intrusion pathway, base the selection on the toxicity factor value for the substance, combined with its degradation factor value. Evaluation of the toxicity factor is specified in section 2.4.1.1. Use and evaluation of the mobility, persistence, degradation, and/or bioaccumulation (or ecosystem bioaccumulation) potential factors vary by pathway (component or threat) and are specified under the appropriate pathway (component or threat) section. Section 2.4.1.2 identifies the specific factors that are combined with toxicity in evaluating each pathway (component or threat).

2.4.1.1 *Toxicity factor.* Evaluate toxicity for those hazardous substances at the site that are available to the pathway being scored. For all pathways and threats, except the surface water environmental threat, evaluate human toxicity as specified below. For the surface water environmental threat, evaluate ecosystem toxicity as specified in section 4.1.4.2.1.1.

Establish human toxicity factor values based on quantitative dose-response parameters for the following three types of toxicity:

• Cancer—Use slope factors (also referred to as cancer potency factors) combined with

TABLE 3–1—GROUND WATER MIGRATION PATHWAY SCORESHEET

Factor categories and factors	Maximum value	Value assigned
Likelihood of Release to an Aquifer:		
1. Observed Release	550	
2. Potential to Release:		
2a. Containment	10	
2b. Net Precipitation	10	
2c. Depth to Aquifer	5	
2d. Travel Time	35	
2e. Potential to Release [lines 2a(2b + 2c + 2d)]	500	
3. Likelihood of Release (higher of lines 1 and 2e)	550	
Waste Characteristics:		
4. Toxicity/Mobility	(a)	
5. Hazardous Waste Quantity	(a)	
6. Waste Characteristics	100	
Targets:		
7. Nearest Well	50	
8. Population:		
8a. Level I Concentrations	(b)	
8b. Level II Concentrations	(b)	
8c. Potential Contamination	(b)	
8d. Population (lines 8a + 8b + 8c)	(b)	
9. Resources	5	
10. Wellhead Protection Area	20	
11. Targets (lines 7 + 8d + 9 + 10)	(b)	
Ground Water Migration Score for an Aquifer:		
12. Aquifer Score [(lines 3 × 6 × 11) / 82,500][c]	100	
Ground Water Migration Pathway Score:		
13. Pathway Score (S_{gw}), (highest value from line 12 for all aquifers evaluated)[c]	100	

[a] Maximum value applies to waste characteristics category.
[b] Maximum value not applicable.
[c] Do not round to nearest integer.

3.0.1 *General considerations*

3.0.1.1 *Ground water target distance limit.* The target distance limit defines the maximum distance from the sources at the site over which targets are evaluated. Use a target distance limit of 4 miles for the ground water migration pathway, except when aquifer discontinuities apply (see section 3.0.1.2.2). Furthermore, consider any well with an observed release from a source at the site (see section 3.1.1) to lie within the target distance limit of the site, regardless of the well's distance from the sources at the site.

For sites that consist solely of a contaminated ground water plume with no identified source, begin measuring the 4-mile target distance limit at the center of the area of observed ground water contamination. Determine the area of observed ground water contamination based on available samples that meet the criteria for an observed release.

3.0.1.2 *Aquifer boundaries.* Combine multiple aquifers into a single hydrologic unit for scoring purposes if aquifer interconnections can be established for these aquifers. In contrast, restrict aquifer boundaries if aquifer discontinuities can be established.

3.0.1.2.1 *Aquifer interconnections.* Evaluate whether aquifer interconnections occur within 2 miles of the sources at the site. If they occur within this 2-mile distance, combine the aquifers having interconnections in scoring the site. In addition, if observed ground water contamination attributable to the sources at the site extends beyond 2 miles from the sources, use any locations within the limits of this observed ground water contamination in evaluating aquifer interconnections. If data are not adequate to establish aquifer interconnections, evaluate the aquifers as separate aquifers.

3.0.1.2.2 *Aquifer discontinuities.* Evaluate whether aquifer discontinuities occur within the 4-mile target distance limit. An aquifer discontinuity occurs for scoring purposes only when a geologic, topographic, or other structure or feature entirely transects an aquifer within the 4-mile target distance limit, thereby creating a continuous boundary to ground water flow within this limit. If two or more aquifers can be combined into a single hydrologic unit for scoring purposes, an aquifer discontinuity occurs only when the structure or feature entirely transects the boundaries of this single hydrologic unit.

When an aquifer discontinuity is established within the 4-mile target distance limit, exclude that portion of the aquifer beyond the discontinuity in evaluating the ground water migration pathway. However, if hazardous substances have migrated across an apparent discontinuity within the 4-mile target distance limit, do not consider this to be a discontinuity in scoring the site.

3.0.1.3 *Karst aquifer.* Give a karst aquifer that underlies any portion of the sources at

the site special consideration in the evaluation of two potential to release factors (depth to aquifer in section 3.1.2.3 and travel time in section 3.1.2.4), one waste characteristics factor (mobility in section 3.2.1.2), and two targets factors (nearest well in section 3.3.1 and potential contamination in section 3.3.2.4).

3.1 *Likelihood of release.* For an aquifer, evaluate the likelihood of release factor category in terms of an observed release factor or a potential to release factor.

3.1.1 *Observed release.* Establish an observed release to an aquifer by demonstrating that the site has released a hazardous substance to the aquifer. Base this demonstration on either:

• Direct observation—a material that contains one or more hazardous substances has been deposited into or has been observed entering the aquifer.

• Chemical analysis—an analysis of ground water samples from the aquifer indicates that the concentration of hazardous substance(s) has increased significantly above the background concentration for the site (see section 2.3). Some portion of the significant increase must be attributable to the site to establish the observed release, except: when the source itself consists of a ground water plume with no identified source, no separate attribution is required.

If an observed release can be established for the aquifer, assign the aquifer an observed release factor value of 550, enter this value in table 3–1, and proceed to section 3.1.3. If an observed release cannot be established for the aquifer, assign an observed release factor value of 0, enter this value in table 3–1, and proceed to section 3.1.2.

3.1.2 *Potential to release.* Evaluate potential to release only if an observed release cannot be established for the aquifer. Evaluate potential to release based on four factors: containment, net precipitation, depth to aquifer, and travel time. For sources overlying karst terrain, give any karst aquifer that underlies any portion of the sources at the site special consideration in evaluating depth to aquifer and travel time, as specified in sections 3.1.2.3 and 3.1.2.4.

3.1.2.1 *Containment.* Assign a containment factor value from table 3–2 to each source at the site. Select the highest containment factor value assigned to those sources with a source hazardous waste quantity value of 0.5 or more (see section 2.4.2.1.5). (Do not include this minimum size requirement in evaluating any other factor of this pathway.) Assign this highest value as the containment factor value for the aquifer being evaluated. Enter this value in Table 3–1.

If no source at the site meets the minimum size requirement, then select the highest value assigned to the sources at the site and assign it as the containment factor value for the aquifer being evaluated. Enter this value in table 3–1.

3.1.2.2 *Net precipitation.* Assign a net precipitation factor value to the site. Figure 3–2 provides computed net precipitation factor values, based on site location. Where necessary, determine the net precipitation factor value as follows:

• Determine monthly precipitation and monthly evapotranspiration:

–Use local measured monthly averages.

–When local data are not available, use monthly averages from the nearest National Oceanographic and Atmospheric Administration weather station that is in a similar geographic setting.

TABLE 3–2—CONTAINMENT FACTOR VALUES FOR GROUND WATER MIGRATION PATHWAY

Source	Assigned value
All Sources (Except Surface Impoundments, Land Treatment, Containers, and Tanks)	
Evidence of hazardous substance migration from source area (*i.e.*, source area includes source and any associated containment structures).	10
No liner	10
No evidence of hazardous substance migration from source area, a liner, *and:*	
(a) None of the following present: (1) maintained engineered cover, or (2) functioning and maintained run-on control system and runoff management system, or (3) functioning leachate collection and removal system immediately above liner.	10
(b) Any one of the three items in (a) present	9
(c) Any two of the items in (a) present	7
(d) All three items in (a) present plus a functioning ground water monitoring system	5
(e) All items in (d) present, plus no bulk or non-containerized liquids nor materials containing free liquids deposited in source area.	3
No evidence of hazardous substance migration from source area, double liner with functioning leachate collection and removal system above and between liners, functioning ground water monitoring system, *and:*	
(f) Only one of the following deficiencies present in containment: (1) bulk or noncontainerized liquids or materials containing free liquids deposited in source area, or (2) no or nonfunctioning or nonmaintained run-on control system and runoff management system, or (3) no or nonmaintained engineered cover.	3
(g) None of the deficiencies in (f) present	0
Source area inside or under maintained intact structure that provides protection from precipitation so that neither runoff nor leachate is generated, liquids or materials containing free liquids not deposited in source area, and functioning and maintained run-on control present.	0

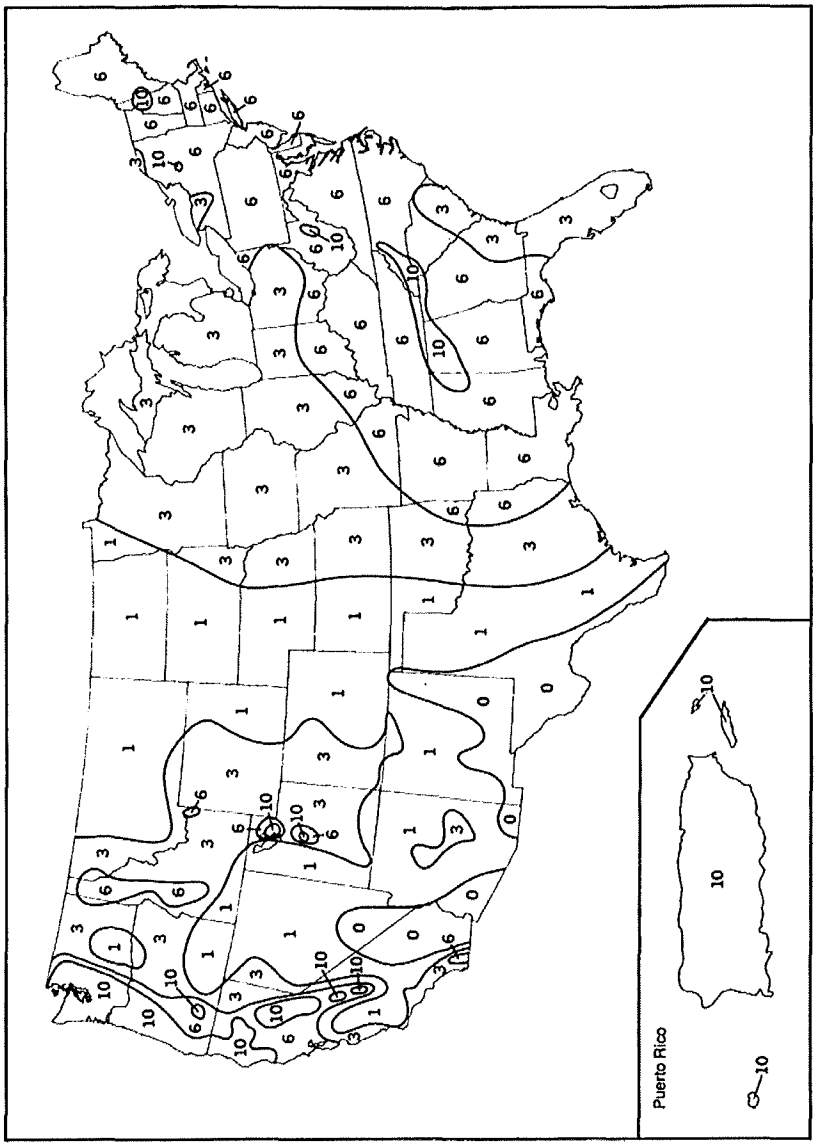


FIGURE 3-2
NET PRECIPITATION FACTOR VALUES

$$I = \sum_{i=1}^{12} (T_i/5)^{1.514}$$

$$a = 6.75 \times 10^{-7} I^3 - 7.71 \times 10^{-5} I^2 + 1.79 \times 10^{-2} I + 0.49239$$

Select the latitude adjusting value for each month from table 3–3. For latitudes lower than 50° North or 20° South, determine the monthly latitude adjusting value by interpolation.

• Calculate monthly net precipitation by subtracting monthly evapotranspiration (or monthly potential evapotranspiration) from monthly precipitation. If evapotranspiration (or potential evapotranspiration) exceeds precipitation for a month, assign that month a net precipitation value of 0.

• Calculate the annual net precipitation by summing the monthly net precipitation values.

• Based on the annual net precipitation, assign a net precipitation factor value from table 3–4.

Enter the value assigned from Figure 3–2 or from table 3–4, as appropriate, in table 3–1.

TABLE 3–3—MONTHLY LATITUDE ADJUSTING VALUES [A]

Latitude [b] (degrees)	Month											
	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.
≥50 N	0.74	0.78	1.02	1.15	1.33	1.36	1.37	1.25	1.06	0.92	0.76	0.70
45 N	0.80	0.81	1.02	1.13	1.28	1.29	1.31	1.21	1.04	0.94	0.79	0.75
40 N	0.84	0.83	1.03	1.11	1.24	1.25	1.27	1.18	1.04	0.96	0.83	0.81
35 N	0.87	0.85	1.03	1.09	1.21	1.21	1.23	1.16	1.03	0.97	0.89	0.85
30 N	0.90	0.87	1.03	1.08	1.18	1.17	1.20	1.14	1.03	0.98	0.89	0.88
20 N	0.95	0.90	1.03	1.05	1.13	1.11	1.14	1.11	1.02	1.00	0.93	0.94
10 N	1.00	0.91	1.03	1.03	1.08	1.06	1.08	1.07	1.02	1.02	0.98	0.99
0	1.04	0.94	1.04	1.01	1.04	1.01	1.04	1.04	1.01	1.04	1.01	1.04
10 S	1.08	0.97	1.05	0.99	1.00	0.96	1.00	1.02	1.00	1.06	1.05	1.09
20 S	1.14	0.99	1.05	0.97	0.96	0.91	0.95	0.99	1.00	1.08	1.09	1.15

[a] Do not round to nearest integer.
[b] For unlisted latitudes lower than 50° North or 20° South, determine the latitude adjusting value by interpolation.

TABLE 3–4—NET PRECIPITATION FACTOR VALUES

Net precipitation (inches)	Assigned value
0	0
Greater than 0 to 5	1
Greater than 5 to 15	3
Greater than 15 to 30	6
Greater than 30	10

3.1.2.3 *Depth to aquifer.* Evaluate depth to aquifer by determining the depth from the lowest known point of hazardous substances at a site to the top of the aquifer being evaluated, considering all layers in that interval. Measure the depth to an aquifer as the distance from the surface to the top of the aquifer minus the distance from the surface to the lowest known point of hazardous substances eligible to be evaluated for that aquifer. In evaluating depth to aquifer in karst terrain, assign a thickness of 0 feet to a karst aquifer that underlies any portion of the sources at the site. Based on the calculated depth, assign a value from table 3–5 to the depth to aquifer factor.

Determine the depth to aquifer only at locations within 2 miles of the sources at the site, except: if observed ground water contamination attributable to sources at the site extends more than 2 miles beyond these sources, use any location within the limits of this observed ground water contamination when evaluating the depth to aquifer factor for any aquifer that does not have an observed release. If the necessary geologic information is available at multiple locations, calculate the depth to aquifer at each location. Use the location having the smallest depth to assign the factor value. Enter this value in table 3–1.

TABLE 3–5—DEPTH TO AQUIFER FACTOR VALUES

Depth to aquifer [a] (feet)	Assigned value
Less than or equal to 25	5
Greater than 25 to 250	3
Greater than 250	1

[a] Use depth of all layers between the hazardous substances and aquifer. Assign a thickness of 0 feet to any karst aquifer that underlies any portion of the sources at the site.

3.1.2.4 *Travel time.* Evaluate the travel time factor based on the geologic materials in the interval between the lowest known point of hazardous substances at the site and the top of the aquifer being evaluated. Assign a value to the travel time factor as follows:

• If the depth to aquifer (see section 3.1.2.3) is 10 feet or less, assign a value of 35.

• If, for the interval being evaluated, all layers that underlie a portion of the sources at the site are karst, assign a value of 35.

• Otherwise:

–Select the lowest hydraulic conductivity layer(s) from within the above interval.

Consider only layers at least 3 feet thick. However, do not consider layers or portions of layers within the first 10 feet of the depth to the aquifer.

–Determine hydraulic conductivities for individual layers from table 3–6 or from in-situ or laboratory tests. Use representative, measured, hydraulic conductivity values whenever available.

–If more than one layer has the same lowest hydraulic conductivity, include all such layers and sum their thicknesses. Assign a thickness of 0 feet to a karst layer that underlies any portion of the sources at the site.

–Assign a value from table 3–7 to the travel time factor, based on the thickness and hydraulic conductivity of the lowest hydraulic conductivity layer(s).

TABLE 3–6—HYDRAULIC CONDUCTIVITY OF GEOLOGIC MATERIALS

Type of material	Assigned hydraulic conductivity [a] (cm/sec)
Clay; low permeability till (compact unfractured till); shale; unfractured metamorphic and igneous rocks	10^{-8}
Silt; loesses; silty clays; sediments that are predominantly silts; moderately permeable till (fine-grained, unconsolidated till, or compact till with some fractures); low permeability limestones and dolomites (no karst); low permeability sandstone; low permeability fractured igneous and metamorphic rocks	10^{-6}
Sands; sandy silts; sediments that are predominantly sand; highly permeable till (coarse-grained, unconsolidated or compact and highly fractured); peat; moderately permeable limestones and dolomites (no karst); moderately permeable sandstone; moderately permeable fractured igneous and metamorphic rocks	10^{-4}
Gravel; clean sand; highly permeable fractured igneous and metamorphic rocks; permeable basalt; karst limestones and dolomites	10^{-2}

[a] Do not round to nearest integer.

TABLE 3–7—TRAVEL TIME FACTOR VALUES [A]

Hydraulic conductivity (cm/sec)	Thickness of lowest hydraulic conductivity layer(s) [b] (feet)			
	Greater than 3 to 5	Greater than 5 to 100	Greater than 100 to 500	Greater than 500
Greater than or equal to 10^{-3}	35	35	35	25
Less than 10^{-3} to 10^{-5}	35	25	15	15
Less than 10^{-5} to 10^{-7}	15	15	5	5
Less than 10^{-7}	5	5	1	1

[a] If depth to aquifer is 10 feet or less or if, for the interval being evaluated, all layers that underlie a portion of the sources at the site are karst, assign a value of 35.

[b] Consider only layers at least 3 feet thick. Do not consider layers or portions of layers within the first 10 feet of the depth to the aquifer.

Determine travel time only at locations within 2 miles of the sources at the site, except: if observed ground water contamination attributable to sources at the site extends more than 2 miles beyond these sources, use any location within the limits of this observed ground water contamination when evaluating the travel time factor for any aquifer that does not have an observed release. If the necessary subsurface geologic information is available at multiple locations, evaluate the travel time factor at each location. Use the location having the highest travel time factor value to assign the factor value for the aquifer. Enter this value in table 3–1.

3.1.2.5 *Calculation of potential to release factor value.* Sum the factor values for net precipitation, depth to aquifer, and travel time, and multiply this sum by the factor value for containment. Assign this product as the potential to release factor value for the aquifer. Enter this value in table 3–1.

3.1.3 *Calculation of likelihood of release factor category value.* If an observed release is established for an aquifer, assign the observed release factor value of 550 as the likelihood of release factor category value for that aquifer. Otherwise, assign the potential to release factor value for that aquifer as the likelihood of release value. Enter the value assigned in table 3–1.

3.2 *Waste characteristics.* Evaluate the waste characteristics factor category for an aquifer based on two factors: toxicity/mobility and hazardous waste quantity. Evaluate only those hazardous substances available to migrate from the sources at the site to ground water. Such hazardous substances include:

• Hazardous substances that meet the criteria for an observed release to ground water.

• All hazardous substances associated with a source that has a ground water containment factor value greater than 0 (see sections 2.2.2, 2.2.3, and 3.1.2.1).

3.2.1 *Toxicity/mobility.* For each hazardous substance, assign a toxicity factor value, a mobility factor value, and a combined toxicity/mobility factor value as specified in the following sections. Select the toxicity/mobility factor value for the aquifer being evaluated as specified in section 3.2.1.3.

3.2.1.1 *Toxicity.* Assign a toxicity factor value to each hazardous substance as specified in Section 2.4.1.1.

3.2.1.2 *Mobility.* Assign a mobility factor value to each hazardous substance for the aquifer being evaluated as follows:

• For any hazardous substance that meets the criteria for an observed release by chemical analysis to one or more aquifers underlying the sources at the site, regardless of the aquifer being evaluated, assign a mobility factor value of 1.

• For any hazardous substance that does not meet the criteria for an observed release by chemical analysis to at least one of the aquifers, assign that hazardous substance a mobility factor value from table 3–8 for the aquifer being evaluated, based on its water solubility and distribution coefficient (K_d).

• If the hazardous substance cannot be assigned a mobility factor value because data on its water solubility or distribution coefficient are not available, use other hazardous substances for which information is available in evaluating the pathway.

TABLE 3–8—GROUND WATER MOBILITY FACTOR VALUES [A]

Water solubility (mg/l)	Distribution coefficient (K_d) (ml/g)			
	Karst [C]	≤10	>10 to 1,000	>1,000
Present as liquid [B]	1	1	0.01	0.0001
Greater than 100	1	1	0.01	0.0001
Greater than 1 to 100	0.2	0.2	0.002	2×10^{-5}
Greater than 0.01 to 1	0.002	0.002	2×10^{-5}	2×10^{-7}
Less than or equal to 0.01	2×10^{-5}	2×10^{-5}	2×10^{-7}	2×10^{-9}

[A] Do not round to nearest integer.
[B] Use if the hazardous substance is present or deposited as a liquid.
[C] Use if the entire interval from the source to the aquifer being evaluated is karst.

• If none of the hazardous substances eligible to be evaluated can be assigned a mobility factor value, use a default value of 0.002 as the mobility factor value for all these hazardous substances.

Determine the water solubility to be used in table 3–8 for the hazardous substance as follows (use this same water solubility for all aquifers):

• For any hazardous substance that does not meet the criteria for an observed release by chemical analysis, if the hazardous substance is present or deposited as a liquid, use the water solubility category "Present as Liquid" in table 3–8 to assign the mobility factor value to that hazardous substance.

• Otherwise:

–For any hazardous substance that is a metal (or metalloid) and that does not meet the criteria for an observed release by chemical analysis, establish a water solubility for the hazardous substance as follows:

–Determine the overall range of water solubilities for compounds of this hazardous substance (consider all compounds for which adequate water solubility information is available, not just compounds identified as present at the site).

–Calculate the geometric mean of the highest and the lowest water solubility in this range.

–Use this geometric mean as the water solubility in assigning the hazardous substance a mobility factor value from table 3–8.

–For any other hazardous substance (either organic or inorganic) that does not meet the criteria for an observed release by chemical analysis, use the water solubility of that hazardous substance to assign a mobility factor value from table 3–8 to the hazardous substance.

For the aquifer being evaluated, determine the distribution coefficient to be used in table 3–8 for the hazardous substance as follows:

• For any hazardous substance that does not meet the criteria for an observed release by chemical analysis, if the entire interval from a source at the site to the aquifer being evaluated is karst, use the distribution coefficient category "Karst" in table 3–8 in assigning the mobility factor value for that hazardous substance for that aquifer.

• Otherwise:

–For any hazardous substance that is a metal (or metalloid) and that does not meet the criteria for an observed release by chemical analysis, use the distribution coefficient for the metal or (metalloid) to assign a mobility factor value from table 3–8 for that hazardous substance.

–For any other inorganic hazardous substance that does not meet the criteria for an observed release by chemical analysis,

Drainage area. Determine the drainage area for the sources at the site. Include in this drainage area both the source areas and the area upgradient of the sources, but exclude any portion of this drainage area for which runoff is diverted from entering the sources by storm sewers or run-on control and/or runoff management systems. Assign a drainage area value for the watershed from table 4–3.

Soil group. Based on the predominant soil group within the drainage area described above, assign a soil group designation for the watershed from table 4–4 as follows:

• Select the predominant soil group as that type which comprises the largest total area within the applicable drainage area.

• If a predominant soil group cannot be delineated, select that soil group in the drainage area that yields the highest value for the runoff factor.

Calculation of runoff factor value. Assign a combined rainfall/runoff value for the watershed from table 4–5, based on the 2-year, 24-hour rainfall and the soil group designation. Determine the runoff factor value for the watershed from table 4–6, based on the rainfall/runoff and drainage area values. Enter the runoff factor value in table 4–1.

TABLE 4–3—DRAINAGE AREA VALUES

Drainage area (acres)	Assigned value
Less than 50	1
50 to 250	2
Greater than 250 to 1,000	3
Greater than 1,000	4

TABLE 4–4—SOIL GROUP DESIGNATIONS

Surface soil description	Soil group designation
Coarse-textured soils with high infiltration rates (for example, sands, loamy sands).	A
Medium-textured soils with moderate infiltration rates (for example, sandy loams, loams).	B
Moderately fine-textured soils with low infiltration rates (for example, silty loams, silts, sandy clay loams).	C
Fine-textured soils with very low infiltration rates (for example, clays, sandy clays, silty clay loams, clay loams, silty clays); or impermeable surfaces (for example, pavement).	D

TABLE 4–5—RAINFALL/RUNOFF VALUES

2-Year, 24-hour rainfall (inches)	Soil group designation			
	A	B	C	D
Less than 1.0	0	0	2	3
1.0 to less than 1.5	0	1	2	3
1.5 to less than 2.0	0	2	3	4
2.0 to less than 2.5	1	2	3	4
2.5 to less than 3.0	2	3	4	4
3.0 to less than 3.5	2	3	4	5
3.5 or greater	3	4	5	6

TABLE 4–6—RUNOFF FACTOR VALUES

Drainage area value	Rainfall/runoff value						
	0	1	2	3	4	5	6
1	0	0	0	1	1	1	1
2	0	0	1	1	2	3	4
3	0	0	1	3	7	11	15
4	0	1	2	7	17	25	25

4.1.2.1.2.1.3 *Distance to surface water.* Evaluate the distance to surface water as the shortest distance, along the overland segment, from any source with a surface water containment factor value greater than 0 to either the mean high water level for tidal waters or the mean water level for other surface waters. Based on this distance, assign a value from table 4–7 to the distance to surface water factor for the watershed. Enter this value in table 4–1.

4.1.2.1.2.1.4 *Calculation of factor value for potential to release by overland flow.* Sum the factor values for runoff and distance to surface water for the watershed and multiply this sum by the factor value for containment. Assign the resulting product as the factor value for potential to release by overland flow for the watershed. Enter this value in table 4–1.

4.1.2.1.2.2 *Potential to release by flood.* Evaluate potential to release by flood for each watershed as the product of two factors: containment (flood) and flood frequency. Evaluate potential to release by flood separately for each source that is within the watershed. Furthermore, for each source, evaluate potential to release by flood separately for each category of floodplain in which the source lies. (See section 4.1.2.1.2.2.2 for the applicable floodplain categories.) Calculate the value for the potential to release by flood factor as specified in 4.1.2.1.2.2.3.

4.1.2.1.2.2.1 *Containment (flood).* For each source within the watershed, separately evaluate the containment (flood) factor for each category of floodplain in which the source is partially or wholly located. Assign a containment (flood) factor value from table 4–8 to each floodplain category applicable to that source. Assign a containment (flood) factor value of 0 to each floodplain category in which the source does not lie.

4.1.2.1.2.2.2 *Flood frequency.* For each source within the watershed, separately evaluate the flood frequency factor for each category of floodplain in which the source is partially or wholly located. Assign a flood

frequency factor value from table 4–9 to each floodplain category in which the source is located.

4.1.2.1.2.2.3 *Calculation of factor value for potential to release by flood.* For each source within the watershed and for each category of floodplain in which the source is partially or wholly located, calculate a separate potential to release by flood factor value. Calculate this value as the product of the containment (flood) value and the flood frequency value applicable to the source for the floodplain category. Select the highest value calculated for those sources that meet the minimum size requirement specified in section 4.1.2.1.2.1.1 and assign it as the value for the potential to release by flood factor for the watershed. However, if, for this watershed, no source at the site meets the minimum size requirement, select the highest value calculated for the sources at the site eligible to be evaluated for this watershed and assign it as the value for this factor.

TABLE 4–7—DISTANCE TO SURFACE WATER FACTOR VALUES

Distance	Assigned value
Less than 100 feet	25
100 feet to 500 feet	20
Greater than 500 feet to 1,000 feet	16
Greater than 1,000 feet to 2,500 feet	9
Greater than 2,500 feet to 1.5 miles	6
Greater than 1.5 miles to 2 miles	3

TABLE 4–8—CONTAINMENT (FLOOD) FACTOR VALUES

Containment criteria	Assigned value
Documentation that containment at the source is designed, constructed, operated, and maintained to prevent a washout of hazardous substances by the flood being evaluated	0
Other	10

TABLE 4–9—FLOOD FREQUENCY FACTOR VALUES

Floodplain category	Assigned value
Source floods annually	50
Source in 10-year floodplain	50
Source in 100-year floodplain	25
Source in 500-year floodplain	7
None of above	0

Enter this highest potential to release by flood factor value for the watershed in table 4–1, as well as the values for containment (flood) and flood frequency that yield this highest value.

4.1.2.1.2.3 *Calculation of potential to release factor value.* Sum the factor values assigned to the watershed for potential to release by overland flow and potential to release by flood. Assign this sum as the potential to release factor value for the watershed, subject to a maximum value of 500. Enter this value in table 4–1.

4.1.2.1.3 *Calculation of drinking water threat-likelihood of release factor category value.* If an observed release is established for the watershed, assign the observed release factor value of 550 as the likelihood of release factor category value for that watershed. Otherwise, assign the potential to release factor value for that watershed as the likelihood of release factor category value for that watershed. Enter the value assigned in table 4–1.

4.1.2.2 *Drinking water threat-waste characteristics.* Evaluate the waste characteristics factor category for each watershed based on two factors: toxicity/persistence and hazardous waste quantity. Evaluate only those hazardous substances that are available to migrate from the sources at the site to surface water in the watershed via the overland/flood hazardous substance migration path for the watershed (see section 4.1.1.1). Such hazardous substances include:

- Hazardous substances that meet the criteria for an observed release to surface water in the watershed.
- All hazardous substances associated with a source that has a surface water containment factor value greater than 0 for the watershed (see sections 2.2.2, 2.2.3, 4.1.2.1.2.1.1, and 4.1.2.1.2.2.1).

4.1.2.2.1 *Toxicity/persistence.* For each hazardous substance, assign a toxicity factor value, a persistence factor value, and a combined toxicity/persistence factor value as specified in sections 4.1.2.2.1.1 through 4.1.2.2.1.3. Select the toxicity/persistence factor value for the watershed as specified in section 4.1.2.2.1.3.

4.1.2.2.1.1 *Toxicity.* Assign a toxicity factor value to each hazardous substance as specified in section 2.4.1.1.

4.1.2.2.1.2 *Persistence.* Assign a persistence factor value to each hazardous substance. In assigning this value, evaluate persistence based primarily on the half-life of the hazardous substance in surface water and secondarily on the sorption of the hazardous substance to sediments. The half-life in surface water is defined for HRS purposes as the time required to reduce the initial concentration in surface water by one-half as a result of the combined decay processes of biodegradation, hydrolysis, photolysis, and volatilization. Sorption to sediments is evaluated for the HRS based on the logarithm of the n-octanol-water partition coefficient (log K_{ow}) of the hazardous substance.

Estimate the half-life ($t_{1/2}$) of a hazardous substance as follows:

TABLE 4–13—SURFACE WATER DILUTION WEIGHTS

Type of surface water body[a]		Assigned dilution weight[b]
Descriptor	Flow characteristics	
Minimal stream	Less than 10 cfs[c]	1
Small to moderate stream	10 to 100 cfs	0.1
Moderate to large stream	Greater than 100 to 1,000 cfs	0.01
Large stream to river	Greater than 1,000 to 10,000 cfs	0.001
Large river	Greater than 10,000 to 100,000 cfs	0.0001
Very large river	Greater than 100,000 cfs	0.00001
Coastal tidal waters[d]	Flow not applicable, depth not applicable	0.0001
Shallow ocean zone[e] or Great Lake	Flow not applicable, depth less than 20 feet	0.0001
Moderate depth ocean zone[e] or Great Lake	Flow not applicable, depth 20 to 200 feet	0.00001
Deep ocean zone[e] or Great Lake	Flow not applicable, depth greater than 200 feet	0.000005
3-mile mixing zone in quiet flowing river	10 cfs or greater	0.5

[a] Treat each lake as a separate type of water body and assign a dilution weight as specified in text.
[b] Do not round to nearest integer.
[c] cfs = cubic feet per second.
[d] Embayments, harbors, sounds, estuaries, back bays, lagoons, wetlands, etc., seaward from mouths of rivers and landward from baseline of Territorial Sea.
[e] Seaward from baseline of Territorial Sea. This baseline represents the generalized U.S. coastline. It is parallel to the seaward limit of the Territorial Sea and other maritime limits such as the inner boundary of the Federal fisheries jurisdiction and the limit of States jurisdiction under the Submerged Lands Act, as amended.

• For a river (that is, surface water body types specified in table 4–13 as minimal stream through very large river), assign a dilution weight based on the average annual flow in the river at the intake. If available, use the average annual discharge as defined in the U.S. Geological Survey Water Resources Data Annual Report. Otherwise, estimate the average annual flow.

• For a lake, assign a dilution weight as follows:

–For a lake that has surface water flow entering the lake, assign a dilution weight based on the sum of the average annual flows for the surface water bodies entering the lake up to the point of the intake.

–For a lake that has no surface water flow entering, but that does have surface water flow leaving, assign a dilution weight based on the sum of the average annual flows for the surface water bodies leaving the lake.

–For a closed lake (that is, a lake without surface water flow entering or leaving), assign a dilution weight based on the average annual ground water flow into the lake, if available, using the dilution weight for the corresponding river flow rate in table 4–13. If not available, assign a default dilution weight of 1.

• For the ocean and the Great Lakes, assign a dilution weight based on depth.

• For coastal tidal waters, assign a dilution weight of 0.0001; do not consider depth or flow.

• For a quiet-flowing river that has average annual flow of 10 cubic feet per second (cfs) or greater and that contains the probable point of entry to surface water, apply a zone of mixing in assigning the dilution weight:

–Start the zone of mixing at the probable point of entry and extend it for 3 miles from the probable point of entry, except: if the surface water characteristics change to turbulent within this 3-mile distance, extend the zone of mixing only to the point at which the change occurs.

–Assign a dilution weight of 0.5 to any intake that lies within this zone of mixing.

–Beyond this zone of mixing, assign a dilution weight the same as for any other river (that is, assign the dilution weight based on average annual flow).

–Treat a quiet-flowing river with an average annual flow of less than 10 cfs the same as any other river (that is, assign it a dilution weight of 1).

In those cases where water flows from a surface water body with a lower assigned dilution weight (from table 4–13) to a surface water body with a higher assigned dilution weight (that is, water flows from a surface water body with more dilution to one with less dilution), use the lower assigned dilution weight as the dilution weight for the latter surface water body.

4.1.2.3.2 *Population.* In evaluating the population factor, include only persons served by drinking water drawn from intakes that are along the overland/flood hazardous substance migration path for the watershed and that are within the target distance limit specified in section 4.1.1.2. Include residents, students, and workers who regularly use the water. Exclude transient populations such as customers and travelers passing through the area. When a standby intake is maintained on a regular basis so that water can be withdrawn, include it in evaluating the population factor.

• Select the appropriate AWQC and AALAC as follows:
–Use chronic value, if available; otherwise use acute value.
–If the sensitive environment being evaluated is in fresh water, use fresh water value, except: if no fresh water value is available, use marine value if available.
–If the sensitive environment being evaluated is in salt water, use marine value, except: if no marine value is available, use fresh water value if available.
–If the sensitive environment being evaluated is in both fresh water and salt water, or is in brackish water, use lower of fresh water or marine values.

TABLE 4–23—SENSITIVE ENVIRONMENTS RATING VALUES

Sensitive environment	Assigned value
Critical habitat[a] for Federal designated endangered or threatened species Marine Sanctuary National Park Designated Federal Wilderness Area Areas identified under Coastal Zone Management Act[b] Sensitive areas identified under National Estuary Program[c] or Near Coastal Waters Program[d] Critical areas identified under the Clean Lakes Program[e] National Monument[f] National Seashore Recreational Area National Lakeshore Recreational Area	100
Habitat known to be used by Federal designated or proposed endangered or threatened species National Preserve National or State Wildlife Refuge Unit of Coastal Barrier Resources System Coastal Barrier (undeveloped) Federal land designated for protection of natural ecosystems Administratively Proposed Federal Wilderness Area Spawning areas critical[g] for the maintenance of fish/shellfish species within river, lake, or coastal tidal waters Migratory pathways and feeding areas critical for maintenance of anadromous fish species within river reaches or areas in lakes or coastal tidal waters in which the fish spend extended periods of time Terrestrial areas utilized for breeding by large or dense aggregations of animals[h] National river reach designated as Recreational	75
Habitat known to be used by State designated endangered or threatened species Habitat known to be used by species under review as to its Federal endangered or threatened status Coastal Barrier (partially developed) Federal designated Scenic or Wild River	50
State land designated for wildlife or game management State designated Scenic or Wild River State designated Natural Areas Particular areas, relatively small in size, important to maintenance of unique biotic communities	25
State designated areas for protection or maintenance of aquatic life[i]	5

[a] Critical habitat as defined in 50 CFR 424.02.
[b] Areas identified in State Coastal Zone Management plans as requiring protection because of ecological value.
[c] National Estuary Program study areas (subareas within estuaries) identified in Comprehensive Conservation and Management Plans as requiring protection because they support critical life stages of key estuarine species (Section 320 of Clean Water Act, as amended).
[d] Near Coastal Waters as defined in Sections 104(b)(3), 304(1), 319, and 320 of Clean Water Act, as amended.
[e] Clean Lakes Program critical areas (subareas within lakes, or in some cases entire small lakes) identified by State Clean Lake Plans as critical habitat (Section 314 of Clean Water Act, as amended).
[f] Use only for air migration pathway.
[g] Limit to areas described as being used for intense or concentrated spawning by a given species.
[h] For the air migration pathway, limit to terrestrial vertebrate species. For the surface water migration pathway, limit to terrestrial vertebrate species with aquatic or semiaquatic foraging habits.
[i] Areas designated under Section 305(a) of Clean Water Act, as amended.

TABLE 4–24—WETLANDS RATING VALUES FOR SURFACE WATER MIGRATION PATHWAY

Total length of wetlands[a] (miles)	Assigned value
Less than 0.1	0
0.1 to 1	25
Greater than 1 to 2	50
Greater than 2 to 3	75
Greater than 3 to 4	100
Greater than 4 to 8	150
Greater than 8 to 12	250

TABLE 4–24—WETLANDS RATING VALUES FOR SURFACE WATER MIGRATION PATHWAY—Continued

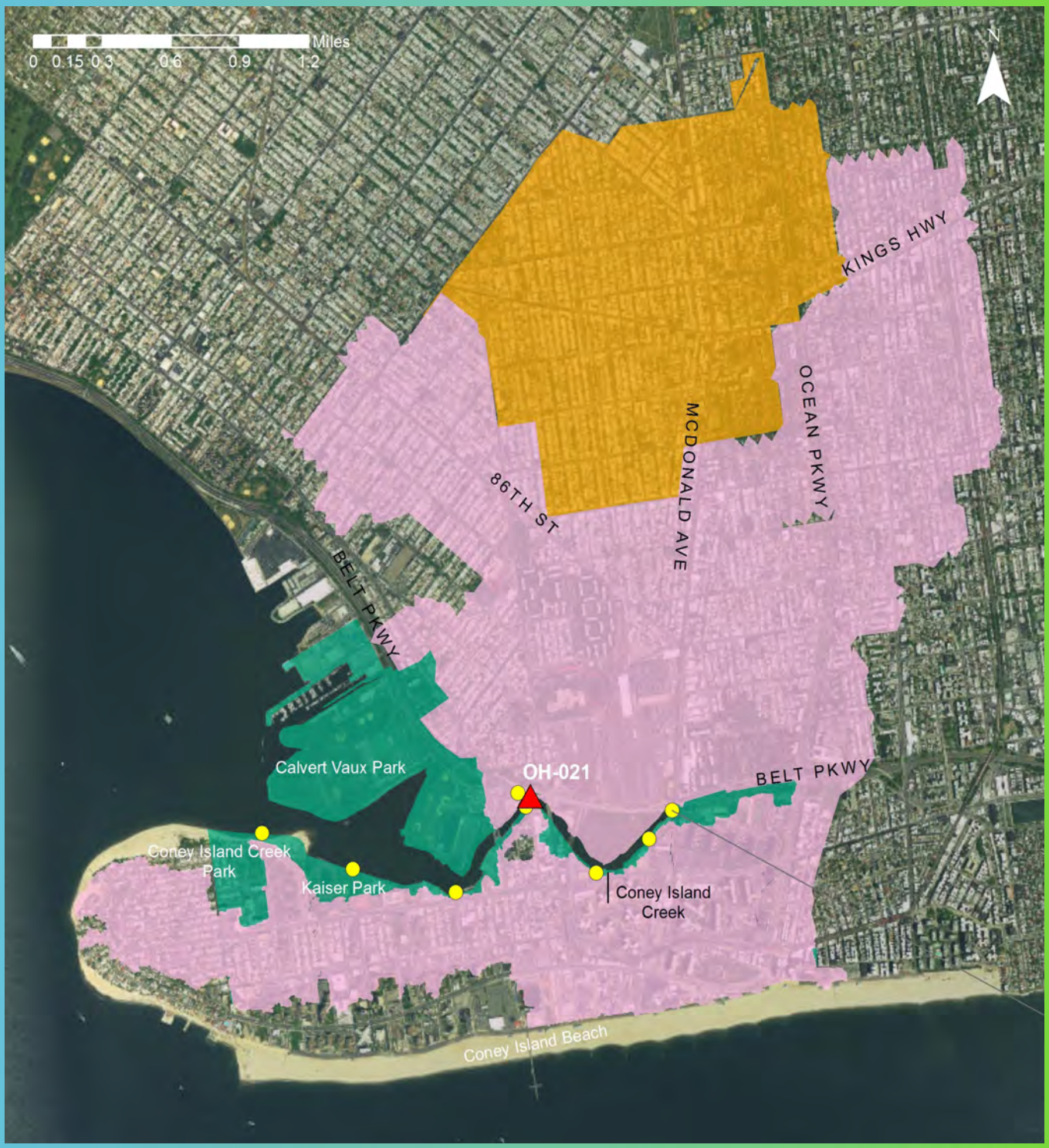
Total length of wetlands[a] (miles)	Assigned value
Greater than 12 to 16	350
Greater than 16 to 20	450
Greater than 20	500

[a] Wetlands as defined in 40 CFR section 230.3.

New York City Department of Environmental Protection

Capital Project No. WP-169
Long Term Control Plan II

Combined Sewer Overflow Long Term Control Plan for Coney Island Creek



June 2016

Capital Project No. WP-169
Long Term Control Plan II

Combined Sewer Overflow Long Term Control Plan for Coney Island Creek

June 2016



Keith Mahoney, P.E.
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The City of New York
Department of Environmental Protection
Bureau of Wastewater Treatment

Prepared by: AECOM USA, Inc.

TABLE OF CONTENTS

EXECUTIVE SUMMARY ES-1

1.0 INTRODUCTION 1-1
1.1 Goal Statement 1-1
1.2 Regulatory Requirements (Federal, State, Local) 1-2
1.3 LTCP Planning Approach 1-3

2.0 WATERSHED/WATERBODY CHARACTERISTICS 2-1
2.1 Watershed Characteristics 2-1
2.2 Waterbody Characteristics 2-22

3.0 CSO BEST MANAGEMENT PRACTICES 3-1
3.1 Collection System Maintenance and Inspection Program 3-3
3.2 Maximizing Use of Collection System for Storage 3-3
3.3 Maximizing Wet Weather Flow to WWTPs 3-3
3.4 Wet Weather Operating Plan 3-4
3.5 Prohibition of Dry Weather Overflows 3-5
3.6 Industrial Pretreatment Program 3-5
3.7 Control of Floatables and Settleable Solids 3-6
3.8 Combined Sewer Replacement 3-6
3.9 Combined Sewer Extension 3-6
3.10 Sewer Connection & Extension Prohibitions 3-7
3.11 Septage and Hauled Waste 3-7
3.12 Control of Runoff 3-7
3.13 Public Notification 3-7
3.14 Characterization and Monitoring 3-8
3.15 CSO BMP Report Summaries 3-8

4.0 GREY INFRASTRUCTURE 4-1
4.1 Status of Grey Infrastructure Projects Recommended in Facility Plans 4-1
4.2 Other Water Quality Improvement Measures Recommended in Facility Plans (Dredging, Floatables, Aeration) 4-6
4.3 Post-Construction Monitoring 4-6

5.0 GREEN INFRASTRUCTURE 5-1
5.1 NYC Green Infrastructure Plan (GI Plan) 5-1
5.2 Citywide Coordination and Implementation 5-2
5.3 Completed Green Infrastructure to Reduce CSOs (Citywide and Watershed) 5-4
5.4 Future Green Infrastructure in the Watershed 5-9

6.0 BASELINE CONDITIONS AND PERFORMANCE GAP 6-1
6.1 Define Baseline Conditions 6-1
6.2 Baseline Conditions – Projected CSO Volumes and Loadings after the Facility Plan and GI Plan 6-4
6.3 Performance Gap 6-8

7.0 PUBLIC PARTICIPATION AND AGENCY COORDINATION 7-1
7.1 Local Stakeholder Team 7-1
7.2 Summaries of Stakeholder Meetings 7-1
7.3 Coordination with Highest Attainable Use 7-4
7.4 Internet Accessible Information Outreach and Inquiries 7-4

8.0 EVALUATION OF ALTERNATIVES 8-1
8.1 Considerations for LTCP Alternatives Under the Federal CSO Policy 8-1
8.2 Matrix of Potential CSO Reduction Alternatives to Close Performance Gap from Baseline 8-8
8.3 CSO Reductions and Water Quality Impact of Retained Alternatives 8-19
8.4 Cost Estimates for Retained Alternatives 8-22
8.5 Cost-Attainment Curves for Retained Alternatives 8-24
8.6 Use Attainability Analysis 8-39
8.7 Water Quality Goals 8-41
8.8 Recommended LTCP Elements to Meet Water Quality Goals 8-43

9.0 LONG-TERM CSO CONTROL PLAN IMPLEMENTATION 9-1
9.1 Adaptive Management (Phased Implementation) 9-1
9.2 Implementation Schedule 9-1
9.3 Operational Plan/O&M (Operation and Maintenance) 9-1
9.4 Projected Water Quality Improvements 9-1
9.5 Post Construction Monitoring Plan and Program Reassessment 9-2
9.6 Consistency with Federal CSO Policy 9-2
9.7 Compliance with Water Quality Goals 9-35

10.0 REFERENCES 10-1

11.0 GLOSSARY 11-1

APPENDICES

Appendix A: Supplemental Tables
Appendix B: Public Meeting Materials
Appendix C: Use Attainability Analysis

LIST OF TABLES

Table ES-1. Classifications and Standards Applied ES-3
Table ES-2. Calculated 2008 Baseline Fecal Coliform Maximum Monthly GM and Attainment of Existing WQ Criteria ES-10
Table ES-3. Calculated Baseline DO Attainment – Existing WQ Criteria (2008) Station ES-10
Table ES-4. Comparison of the Calculated 2008 Baseline and 100% Coney Island Creek CSO Control Fecal Coliform Maximum Monthly GM and Attainment of Bacteria Primary Contact WQ Criteria ES-11
Table ES-5. Model Calculated 2008 Baseline and 100% CSO Control DO Attainment of Class SC WQ Criteria ES-12
Table ES-6. Calculated 2008 Baseline Enterococci Maximum 30-day GM and Attainment of Potential Future Primary Contact WQ Criteria ES-12
Table ES-7. Calculated 2008 100% CSO Control Enterococci Maximum 30-day GM and Attainment of Potential Future Primary Contact WQ Criteria ES-13

Table ES-8. Retained Alternative ES-14
Table ES-9. Coney Island Creek Retained Alternatives Summary ES-14
Table ES-10. Summary of Predicted Impacts for Retained Alternatives – Coney Island Creek Watershed and OH WWTP Service Area ES-15
Table ES-11. Cost of Retained Alternatives ES-15
Table ES-12. Completed and Underway CSO Improvements Projects ES-16
Table ES-13. Calculated 10-year Preferred Alternative Attainment of Existing WQ Criteria and Bacteria Primary Contact WQ Criteria ES-18
Table ES-14. Calculated 10-year Preferred Alternative Attainment of Potential Future Primary Contact Water Quality Criteria ES-19
Table ES-15. Recommended Plan Compliance with Bacteria WQ Criteria Attainment ES-19
Table ES-16. Time to Recovery with Recommended Plan (August 14-15 2008) ES-20
Table 1-1. 2014 DEC 303(d) Impaired Waters Listed and Delisted 1-2
Table 2-1. Outfall Pipes to Coney Island Creek 2-3
Table 2-2. Existing Land Use within the Coney Island Creek Drainage Area 2-3
Table 2-3. Coney Island Creek Sewershed: Acreage Per Sewer System Category 2-13
Table 2-4. Owls Head WWTP Service Area Within Coney Island Creek Watershed: Acreage by Outfall/Regulator/Relief Structure 2-14
Table 2-5. Stormwater Discharge Concentrations Owls Head WWTP Service Areas 2-16
Table 2-6. Coney Island Creek Source Loadings Characteristics 2-16
Table 2-7. New York State Numerical Surface WQS (Saline) 2-24
Table 2-8. New York State Narrative WQS 2-25
Table 2-9. IEC Numeric WQS 2-25
Table 2-10. IEC Narrative Regulations 2-26
Table 2-11. 2012 RWQC Recommendations 2-27
Table 2-12. NWI Classification Codes 2-29
Table 2-13. Sensitive Areas Assessment 2-34
Table 3-1. Comparison of EPA Nine Minimum Controls (NMCs) with SPDES Permit BMPs 3-2
Table 4-1. Design Flow basis for the Upgrade of the Avenue V Pumping Station 4-1
Table 6-1. Source Concentrations from NYC Sources 6-5
Table 6-2. 2008 Baseline Loading Summary 6-6
Table 6-3. 2008 CSO Volume and Overflows per Year 6-6
Table 6-4. Classifications and Standards Applied 6-8
Table 6-5. Calculated 2008 Baseline Fecal Coliform Maximum Monthly GM and Attainment of Existing WQ Criteria 6-9
Table 6-6. Model Calculated Baseline DO Attainment – Existing WQ Criteria (2008) 6-10
Table 6-7. Model Calculated Baseline and 100% CSO Control DO Attainment – Existing WQ Criteria (2008) 6-10

Table 6-8. Comparison of the Calculated 2008 Baseline and 100% Coney Island Creek CSO Control Fecal Coliform Maximum Monthly GM and Attainment of Primary Contact WQ Criteria 6-11
Table 6-9. Model Calculated 2008 Baseline and 100% CSO Control DO Attainment of Class SC/SB WQ Criteria 6-12
Table 6-10. Calculated 2008 Baseline Enterococci Maximum 30-day GM and Seasonal Attainment of Potential Future Primary Contact Water Quality Criteria 6-13
Table 6-11. Calculated 2008 100% CSO Control Enterococci Maximum 30-day GM and Attainment of Potential Future Primary Contact WQ Criteria 6-13
Table 6-12. Fecal and Enterococci GM Source Components 6-14
Table 6-13. Time to Recovery 6-17
Table 7-1. Summary of Coney Island Creek LTCP Public Participation Activities Performed 7-5
Table 8-1. Vertical Shaft Storage Characteristics 8-10
Table 8-2. Deep Tunnel Characteristics 8-14
Table 8-3. Dewatering System Capacity of Retention Alternatives Based 8-14
Table 8-4. Summary of Next Level of Control Measure Screening 8-18
Table 8-5. Retained Alternatives 8-19
Table 8-6. Coney Island Creek Retained Alternatives Summary 8-20
Table 8-7. Summary of Predicted Impacts of Retained Alternatives – Coney Island Creek Watershed and OH WWTP Service Area 8-22
Table 8-8. Costs for Alternative VS1 – 1.6 MG Vertical Shaft for 25% CSO control 8-23
Table 8-9. Costs for Alternative VS2 – 4.1 MG Vertical Shaft for 50% CSO control 8-23
Table 8-10. Costs for Alternative DT1– 6.9 MG Deep Tunnel for 75% CSO Control 8-23
Table 8-11. Costs for Alternative DT2– 13.4 MG Deep Tunnel for 100% CSO Control 8-24
Table 8-12. Cost of Retained Alternatives 8-24
Table 8-13. Calculated 10-year Preferred Alternative Attainment of Primary Contact Existing WQ Criteria 8-37
Table 8-14. Model Calculated Preferred Alternative DO Attainment – Existing WQ Criteria (2008) Station 8-37
Table 8-15. Model Calculated 2008 Preferred Alternative DO Attainment - Class SB WQ Criteria 8-38
Table 8-16. Calculated 10-year Preferred Alternative Attainment of Potential Future Primary Contact Water Quality Criteria 8-38
Table 8-17. LTCP Compliance with WQ Standards 8-41
Table 8-18. Time to Recovery with Recommended Plan (August 14-15, 2008) 8-42
Table 9-1. Residential Water and Wastewater Costs compared to Median Household Income (MHI) 9-4
Table 9-2. Financial Capability Indicator Scoring 9-5
Table 9-3. NYC Financial Capability Indicator Score 9-6
Table 9-4. Financial Capability Matrix 9-8
Table 9-5. Median Household Income 9-9
Table 9-6. Household Income Quintile Upper Limits in New York City and the United States (2014$) 9-11
Table 9-7. Average Household Consumption Residential Indicator for Different Income Levels using Proposed FY 2017 Rates 9-12
Table 9-8. NYC Poverty Rates 9-12
Table 9-8. Proposed Expansion of the Home Water Assistance Program 9-21
Table 9-10. Committed Costs and Range of Future CSO Program Costs and Water Quality Improvements(1) 9-28
Table 9-11. Financial Commitment to CSO Reduction 9-29
Table 9-12. Potential Future Spending Incremental Additional Household Cost Impact 9-30
Table 9-13. Total Estimated Cumulative Future Household Costs / Median Household Income 9-31
Table 9-14. Average Household Wastewater Bill / Income Snapshot over Time 9-32

LIST OF FIGURES

Figure ES-1. Coney Island Creek Watershed Characteristics ES-2
Figure ES-2. Coney Island Creek HSM Program and Dry-Weather LTCP Sampling Stations ES-5
Figure ES-3. Fecal Coliform Statistics Derived From Recent Coney Island Creek Water Quality Data ES-6
Figure ES-4. Enterococci Statistics Derived From Recent Coney Island Creek Water Quality Data ES-7
Figure ES-5. DO Statistics Derived From Recent Coney Island Creek Water Quality Data ES-8
Figure 2-1. Coney Island Watershed - WWTP Service Areas and Outfalls 2-2
Figure 2-2. Major Transportation Features of Coney Island Creek Watershed 2-4
Figure 2-3. Land Use in Coney Island Creek Watershed 2-5
Figure 2-4. Quarter Mile Riparian Zoning in the Coney Island Creek Vicinity 2-5
Figure 2-5. Vision 2020 – Reach 16 2-7
Figure 2-6. Annual Rainfall Data and Selection of the Typical Year 2-12
Figure 2-7. Outfall OH-021 Measured CSO Bacteria Concentrations 2-17
Figure 2-8. Sewers Inspected and Cleaned in Brooklyn Throughout 2014 2-21
Figure 2-9. Shoreline View of Coney Island Creek (Looking East near the Mouth) 2-28
Figure 2-10. Shoreline View of Coney Island Creek (Looking West from Cropsey Ave Bridge) 2-28
Figure 2-11. Wetlands in Coney Island Creek Watershed 2-30
Figure 2-12. Access Points to Coney Island Creek 2-31
Figure 2-13. Calvert Vaux Park 2-31
Figure 2-14. Six Diamonds Park at the Coney Island Boat Basin 2-32
Figure 2-15. The Home Depot Walkway 2-32
Figure 2-16. Kaiser Park 2-33
Figure 2-17. Coney Island Creek Park 2-33
Figure 2-18. Harbor Survey HR-Lower New York Bay Region 2-35
Figure 2-19. Coney Island Creek HSM Program and Dry-Weather LTCP Campaign Sampling Stations 2-36
Figure 2-20. Fecal Coliform Statistics Derived From Recent Coney Island Creek Water Quality Data 2-37
Figure 2-21. Enterococci Statistics Derived From Recent Coney Island Creek Water Quality Data 2-38
Figure 2-22. DO Statistics Derived From Recent Coney Island Creek Water Quality Data 2-39
Figure 2-23. Fecal Coliform/Enterococci Ratio in Coney Island Creek 2-41
Figure 2-24. Fecal Coliform Data from LTCP Dry-Weather Campaign – Coney Island Creek (March and August 2014) 2-42
Figure 2-25. Enterococci Data from LTCP Dry-Weather Campaign – Coney Island Creek (March and August 2014) 2-43
Figure 2-26. Computational Grid for Coney Island Creek Water Quality Modeling 2-45
Figure 4-1. New Force Mains for Avenue V Pumping Station 4-3
Figure 4-2. Schematic of Avenue V Pumping Station Before and After Upgrade 4-4
Figure 4-3. DDC Storm Sewer and Outfall Project 4-5
Figure 4-4. HSM Sampling Locations, Coney Island Creek 4-7
Figure 5-1. Current and Planned Priority CSO Tributary Areas 5-3
Figure 6-1. InfoWorks Subcatchments within Coney Island Creek 6-7
Figure 8-1. Matrix of CSO Control Measures for Coney Island Creek 8-6
Figure 8-2. Layout of Alternative VS2 – Vertical Shaft at NYCT Railyard Parking Lot 8-11
Figure 8-3. Layout of Alternatives DT1 and DT2 – Tunnel for Outfall OH-021 8-13
Figure 8-4. Underflow Baffle and Relief Structure at Regulator Av-1 8-15
Figure 8-5. Flushing Tunnel Pumping 80 MGD from Sheepshead Bay to Coney Island Creek 8-17
Figure 8-6. CSO Volume Reductions vs. Annual CSO Bacteria Loading Reduction (2008 Rainfall) 8-21
Figure 8-7. Cost vs. Volumetric CSO Control (2008 Rainfall) 8-26
Figure 8-8. Cost vs. Enterococci Loading Reduction (2008 Rainfall) 8-27

Figure 8-9. Cost vs. Fecal Coliform Loading Reduction (2008 Rainfall) 8-28
Figure 8-10. Cost vs. Bacteria Attainment at Station CI-1 (2008 Rainfall) 8-29
Figure 8-11. Cost vs. Bacteria Attainment at Station CI-2 (2008 Rainfall) 8-30
Figure 8-12. Cost vs. Bacteria Attainment at Station CI-3 (2008 Rainfall) 8-31
Figure 8-13. Cost vs. Bacteria Attainment at Station CI-4 (2008 Rainfall) 8-32
Figure 8-14. Cost vs. Bacteria Attainment at Station CI-5 (2008 Rainfall) 8-33
Figure 8-15. Cost vs. Bacteria Attainment at Station CI-6 (2008 Rainfall) 8-34
Figure 8-16. Cost vs. Bacteria Attainment at Station CI-7 (2008 Rainfall) 8-35
Figure 9-1. Median Household Income by Census Tract 9-9
Figure 9-2. NYC Median Household Income over Time 9-10
Figure 9-3. Income Distribution for NYC and U.S. 9-11
Figure 9-4. Poverty Clusters and Rates in NYC 9-13
Figure 9-5. Comparison of Costs between NYC and other U.S. Cities 9-14
Figure 9-6. Historical Capital Commitments 9-16
Figure 9-7. Historical Operating Expenses 9-16
Figure 9-8. Past Costs and Debt Service 9-19
Figure 9-9. Population, Consumption Demand, and Water and Sewer Rates over Time 9-20
Figure 9-10. Estimated Average Wastewater Household Cost Compared to Household Income (2016, 2025, and 2040) 9-32
Figure 9-11. Estimated Average Total Water and Wastewater Household Cost Compared to Household Income (2016, 2025, and 2040) 9-33
Figure 9-12. Historical Timeline for Wastewater Infrastructure Investments and CSO Reduction Over Time 9-34

EXECUTIVE SUMMARY

This Executive Summary is organized as follows:

- Background — An overview of the regulatory framework, approach and existing waterbody information.
- Findings — A summary of the key findings of the water quality (WQ) data analyses, the WQ modeling simulations and the alternatives analysis.
- Evaluations and Conclusions — A list of assessments that are consistent with the Federal Combined Sewer Overflow (CSO) Control Policy and the Clean Water Act (CWA).

1. BACKGROUND

The New York City (NYC) Department of Environmental Protection (DEP) prepared this Long Term Control Plan (LTCP) for Coney Island Creek pursuant to a CSO Consent Order (Department of Environmental Conservation (DEC) Case No. CO2-20110512-25), dated March 8, 2012 (2012 CSO Consent Order), which modified a 2005 CSO Consent Order (DEC Case No. CO2-20000107-8). Under the 2012 CSO Consent Order, DEP is required to submit 11 waterbody-specific LTCPs to DEC by December 2017. The Coney Island Creek LTCP is the seventh of those LTCPs.

As described in the LTCP Goal Statement in the 2012 CSO Consent Order, the goal of each LTCP is to identify, with public input, appropriate CSO controls necessary to achieve waterbody-specific water quality standards (WQS), consistent with the Federal CSO Control Policy and related guidance. In addition, the Goal Statement provides: *"Where existing water quality standards do not meet the Section 101(a)(2) goals of the Clean Water Act, or where the proposed alternative set forth in the LTCP will not achieve existing water quality standards or the Section 101(a)(2) goals, the LTCP will include a Use Attainability Analysis examining whether applicable waterbody classifications, criteria, or standards should be adjusted by the State."* DEP conducted water quality assessments where the data is represented by percent attainment with pathogen targets and associated recovery times. Consistent with guidance from DEC, 95 percent attainment of applicable water quality criteria constitutes compliance with the existing WQS or the Section 101(a)(2) goals, conditioned on verification through post-construction compliance monitoring (PCM).

Regulatory Requirements

The waters of NYC are subject to Federal and New York State (NYS) laws and regulations. The U.S. Environmental Protection Agency (EPA) has issued a CSO Control Policy, which provides guidance on the development and implementation of LTCPs and the establishment of WQS. In NYS, CWA regulatory and permitting authority has been delegated to DEC.

DEC has designated Coney Island Creek as a Class I waterbody. The best usages of Class I waters are secondary contact recreation and fishing. These waters "shall be suitable for fish, shellfish, and wildlife propagation and survival" and the water quality "shall be suitable for primary contact recreation, although other factors may limit the use for this purpose" (6 NYCRR 701.13). Figure ES-1 shows the Coney Island Creek watershed.

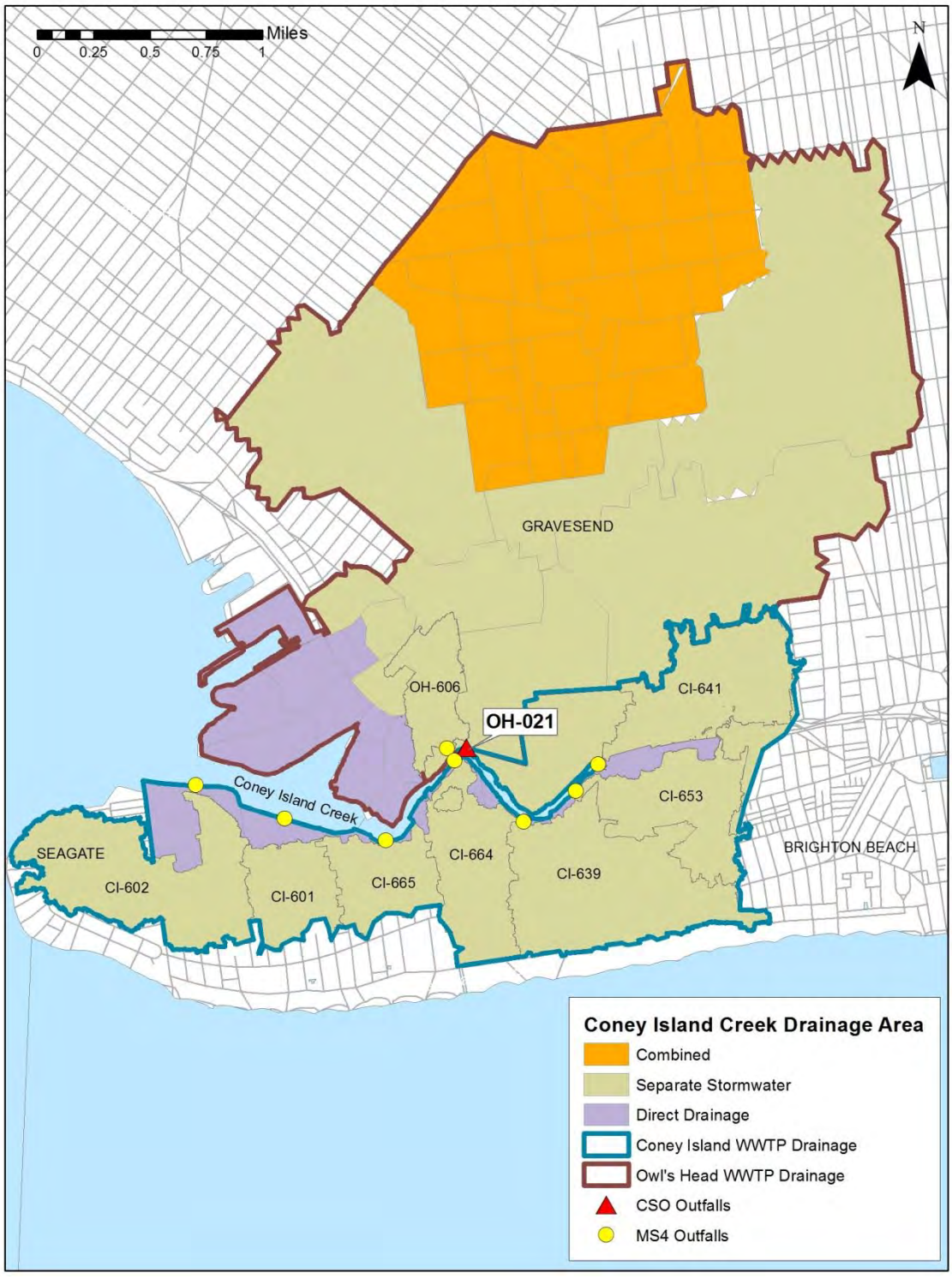

Figure ES-1. Coney Island Creek Watershed Characteristics

The criteria assessed in this Coney Island Creek LTCP include the Existing WQ Criteria (Class I), and Bacteria Primary Contact WQ Criteria/Dissolved Oxygen (DO) Class SC criteria. Enterococci criteria do not apply to tributaries such as Coney Island Creek under the Beaches Environmental Assessment and Coastal Health (BEACH) Act of 2000. However, because the 2012 EPA Recreational Water Quality Criteria (RWQC) recommended certain changes to the bacterial water quality criteria for primary contact, this LTCP includes attainment analyses for both current WQ criteria and for the proposed 2012 EPA RWQC (referred to hereinafter as the "Potential Future Primary Contact WQ Criteria"). These criteria include a 30-day rolling geometric mean (GM) for enterococci of 30 cfu/100mL, with a not-to-exceed 90th percentile statistical threshold value (STV) of 110 cfu/100mL.

Table ES-1 summarizes the Existing WQ Criteria, Bacteria Primary Contact WQ Criteria/DO Class SC Criteria and Potential Future Primary Contact WQ Criteria applied in this LTCP.

Table ES-1. Classifications and Standards Applied

Analysis	Numerical Criteria Applied	
Existing WQ Criteria	Class I	Fecal Monthly GM ≤ 200; DO never <4.0 mg/L
Bacteria Primary Contact WQ Criteria(1) / DO Class SC	Class SC	Fecal Monthly GM ≤ 200 Daily Average DO ≥ 4.8 mg/L; DO never < 3.0 mg/L
Potential Future Primary Contact WQ Criteria(2)	Entero: rolling 30-d GM – 30 cfu/100mL Entero: STV – 110 cfu/100mL	

Notes:
GM = Geometric Mean; STV = 90 Percent Statistical Threshold Value
(1) This water quality standard is not currently assigned to Coney Island Creek.
(2) DEC has not yet adopted the Potential Future Primary Contact WQ Criteria.

Coney Island Creek Watershed

The Coney Island Creek watershed characteristics and the CSO and stormwater outfalls are shown in Figure ES-1. Coney Island Creek is a saline waterbody located near the southwestern shore of the Borough of Brooklyn. Coney Island Creek is tributary to Gravesend Bay, and the Bay is tributary to the Lower New York Bay. Water quality in Coney Island Creek is influenced by multiple sources, including stormwater discharges, dry-weather sources and CSOs. The Coney Island Creek watershed comprises approximately 3,470 acres and the majority of the land immediately surrounding the shoreline is comprised primarily of industrial and commercial uses. The urbanization of the Coney Island Creek watershed has led to the creation of a large combined sewer system (CSS), as well as areas served by separate sanitary sewer systems (SSS). Stormwater drainage systems were also developed that discharge directly to Coney Island Creek, or to a nearby CSS. As shown in Figure ES-1, the Coney Island Creek watershed is served by the Owls Head (OH) Wastewater Treatment Plant (WWTP) and Coney Island (CI) WWTP service areas. Dry-weather flow is conveyed to the WWTPs for treatment. During wet-weather, the combined sewage flow that exceeds the capacity of the CSS discharges through CSO

Outfall OH-021 to Coney Island Creek. A total of eight State Pollution Discharge Elimination System (SPDES)-permitted Municipal Separate Storm Sewer System (MS4) outfalls also discharge to Coney Island Creek.

Green Infrastructure

Coney Island Creek is not a priority target area for DEP's Green Infrastructure (GI) Program. Nevertheless, DEP projects that by 2030, GI penetration rates will manage one percent of the impervious surfaces within the Coney Island Creek combined sewer service area due to right-of-way (ROW) practices, public property retrofits, and GI implementation on private properties. This projection also includes conservatively estimated new development trends based on NYC Department of Buildings (DOB) building permit data to account for compliance with DEP's citywide stormwater performance standard during the years 2013-2030.

As LTCPs are developed, baseline GI penetration rates for specific watersheds may be adjusted based on the adaptive management approach described in Section 5.2. As more information on field conditions, feasibility, and costs becomes known, and as GI projects progress, DEP will continue to model the GI penetration rates and make necessary adjustments as appropriate.

2. FINDINGS

Current Water Quality Conditions

Water quality analyses in Coney Island Creek were based, in part, on Harbor Survey Monitoring (HSM) Program data collected since 2014 and sampling conducted in support of the Coney Island Creek LTCP in March and August 2014. The sampling stations are shown in Figure ES-2.

Figure ES-3 presents fecal coliform bacteria data collected at Stations CI-2 to CI-5, for a period prior to completion of the Avenue V Pumping Station upgrade (January 2013 to October 2014), and a period after completion of the upgrade (October 2014 to August 2015). Figure ES-4 presents the enterococci data and Figure ES-5 shows the DO data for the concurrent periods. The figures represent data that were collected by multiple parties including the LTCP Program, HSM, and the Sentinel Monitoring (SM) Program.

As shown in Figure ES-3, the wet-weather fecal coliform data at Stations HSM-CIC2 and HSM-CIC3 reflects an improvement in water quality after completion of the Avenue V Pumping Station upgrade. Prior to the upgrade, the wet-weather fecal coliform geomeans were higher than the dry-weather geomeans at each sampling station. After completion of the upgrade, the wet-weather fecal coliform geomeans were much closer to the dry-weather geomeans at each station. As indicated in Figures ES-4 and ES-5, no improvement of enterococci or DO levels was observed for the concurrent period.

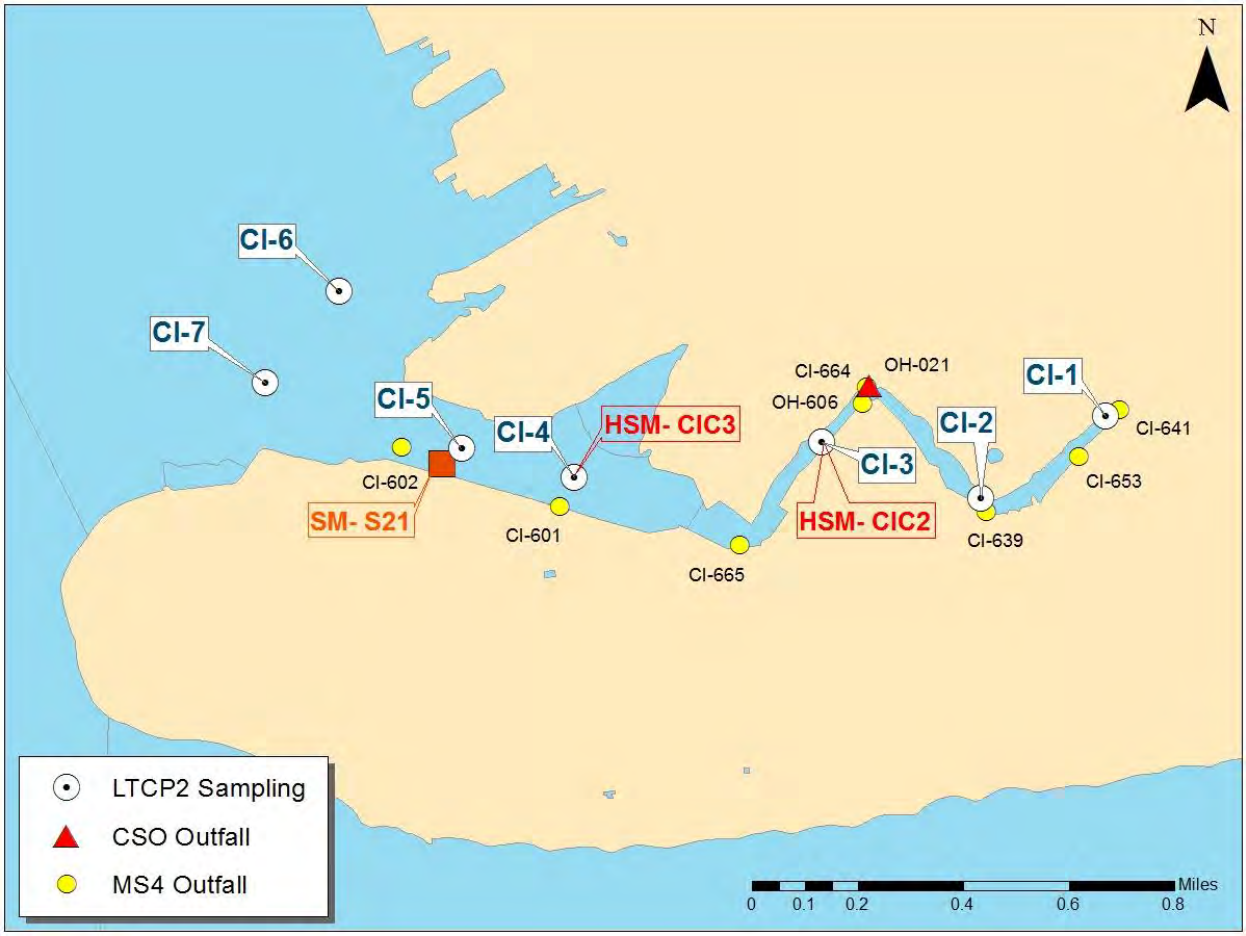

Figure ES-2. Coney Island Creek HSM Program and Dry-Weather LTCP Sampling Stations

The statistics shown in these figures were derived primarily from the HSM dataset. These statistics include 26 dry-weather data points measured at Stations CI-3 (HSM-CIC2) and CI-4 (HSM-CIC3) during two dry-weather sampling periods conducted by the LTCP Program in March 2014 and August 2014, prior to the Avenue V Pumping Station upgrade becoming fully operational in October 2014.

Many of the dry-weather fecal coliform measurements were above 10,000 cfu/100mL at Station CIC-2. This data indicates the presence of potential dry-weather discharges towards the head end of the waterbody. DEP has been proactive in identifying and abating illicit connections in the Coney Island Creek watershed, but its trackdown has not yielded a number of illicit residential connections as might be commensurate with the elevated fecal coliform data observed by the HSM data. Where illicit connections were discovered, DEP issued Commissioner's Orders for their removal, as documented in letters to DEC in September 2014 and in January 2016. Between August 2014 and January 2016, DEP inspected 53 establishments and identified 10 with illicit connections, for which it issued Commissioner's Orders for their removal. Eight of those 10 have been abated. Because DEP's trackdown efforts have not yielded a number of improperly connected residences as might be consistent with the elevated fecal coliform data observed by the HSM Program, investigations continue. However, those investigations are impacted by the extensive, simultaneous sewer improvement work.

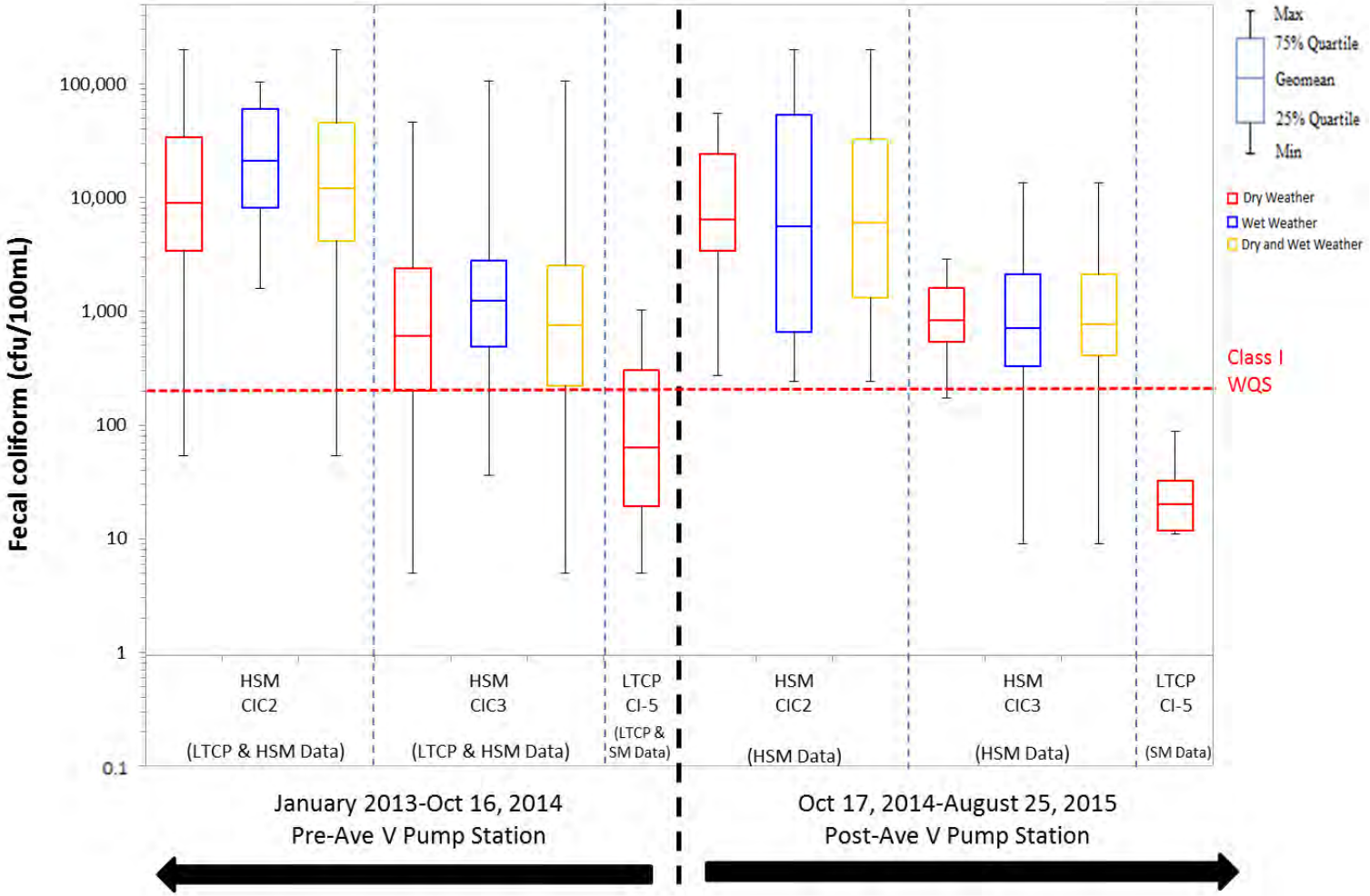

Figure ES-3. Fecal Coliform Statistics Derived From Recent Coney Island Creek Water Quality Data

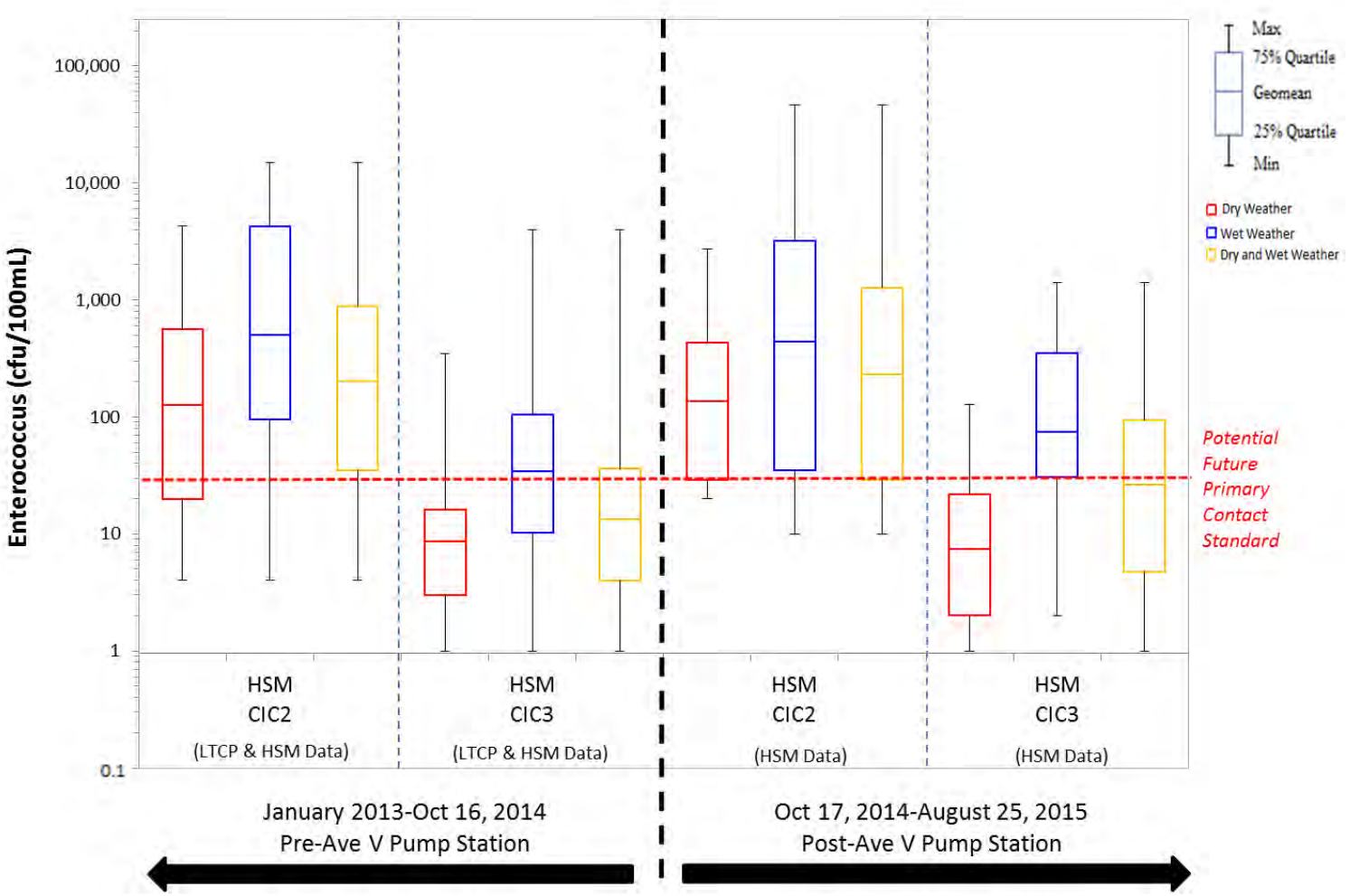

Figure ES-4. Enterococci Statistics Derived From Recent Coney Island Creek Water Quality Data

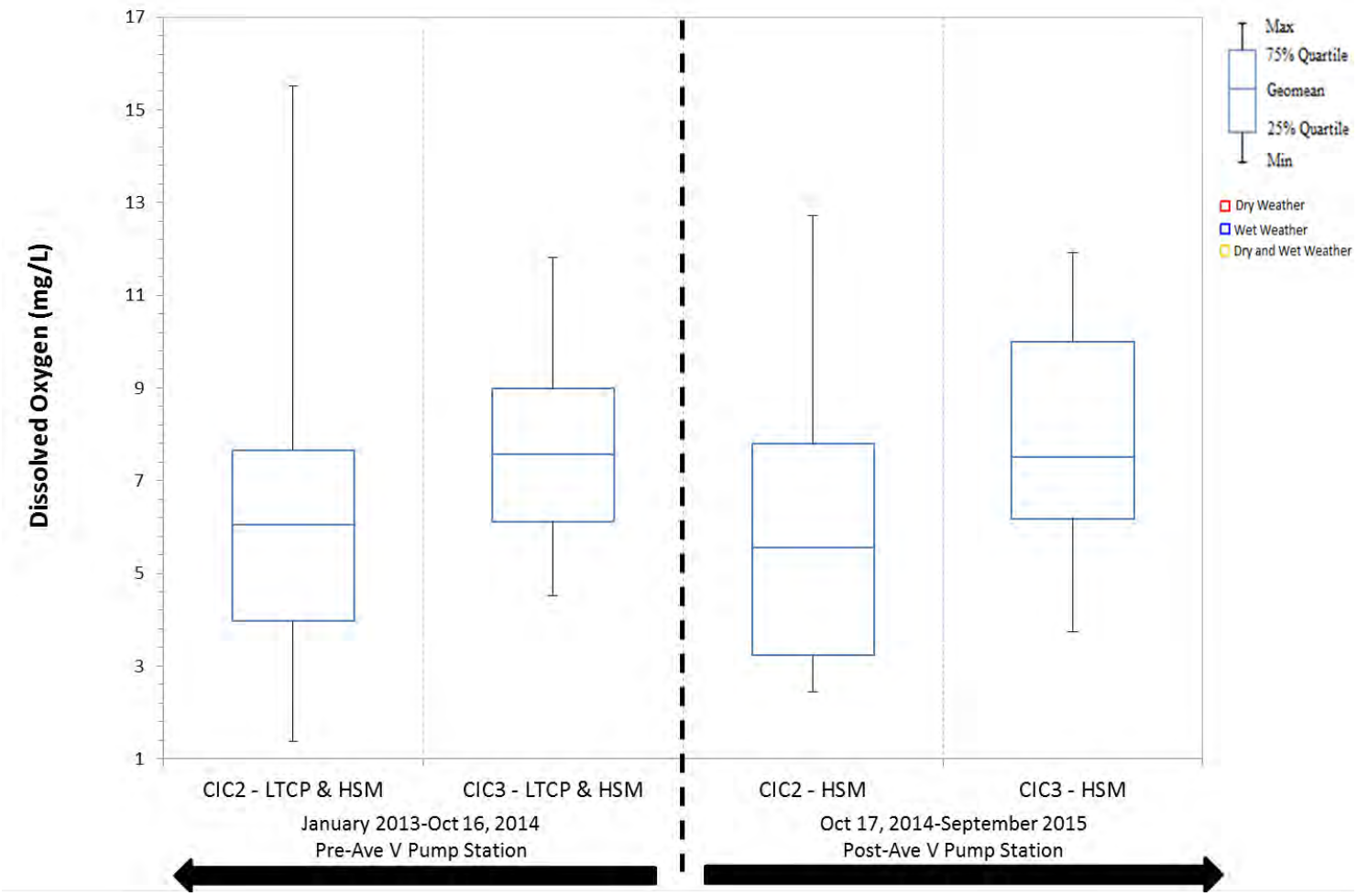

Figure ES-5. DO Statistics Derived From Recent Coney Island Creek Water Quality Data

A review of the bacteria data revealed a ratio of fecal coliform to enterococcus bacteria observed in the dry-weather receiving water samples approximately 100 times higher than the ratios observed in samples of stormwater and CSO that discharge into Coney Island Creek. Because of this finding, together with the elevated fecal coliform levels in the interior portions of Coney Island Creek disproportionately high relative to the small number of illicit connections discovered, DEP has undertaken additional evaluations of bacteria samples. These ongoing evaluations are targeted toward identifying whether some other type of interference is affecting the fecal coliform bacteria counts.

Baseline Conditions, 100% CSO Control and Performance Gap

Computer models were used to assess attainment with Existing WQ Criteria (Class I), Bacteria Primary Contact WQ Criteria and Potential Future Primary Contact WQ Criteria. The analyses focused on two primary objectives:

1. Determine the levels of compliance with water quality criteria under future baseline conditions, defined as conditions with sanitary flows based on 2040 population projections, with all other sources being discharged at existing levels to the waterbody. The sources would primarily be stormwater, direct drainage runoff, and CSO. This analysis is presented for Existing WQ Criteria, Bacteria Primary Contact WQ Criteria and Potential Future Primary Contact WQ Criteria.
2. Determine potential attainment levels without discharge of CSO to the waterbody (100 percent control), keeping the remaining non-CSO sources. This analysis is presented for the criteria shown in Table ES-1.

DEP assessed water quality using the Coney Island Creek Water Quality Model (CICWQM). This was an existing model that was updated and validated using receiving water data collected throughout 2014. Model outputs for fecal and enterococci bacteria, as well as for DO, were compared with monitored data sets during validation. This improved the accuracy and robustness of the models for LTCP evaluations. The InfoWorks CS™ (IW) sewer system model was used to provide flows and loads from intermittent wet-weather sources as input to the CICWQM water quality model. The water quality model was then used to calculate ambient pathogen concentrations within the waterbody for a set of baseline conditions.

Baseline conditions were established in accordance with the guidance provided by DEC to represent future conditions. Baseline conditions included the following assumptions: (1) the design year for projected future flows was established as 2040; (2) the Owls Head WWTP would receive peak flows at two times design dry-weather flow (2xDDWF) or wet-weather capacity of 240 million gallons per day (MGD); (3) grey infrastructure would include those elements recommended in the 2011 Waterbody/Watershed Facility Plan (WWFP); and (4) waterbody-specific GI application rates would be based on the best available information. In the case of the Coney Island Creek project area, GI was assumed to have one percent coverage.

The water quality assessments were conducted using continuous water quality simulations. A one-year (2008 rainfall) simulation for bacteria and DO assessment was used to support alternatives evaluation. A 10-year (2002 to 2011 rainfall) bacteria simulation for attainment analysis was used for the Preferred Alternative. The gaps between calculated baseline concentrations of bacteria, as well as DO, were then compared to the applicable pathogen and DO criteria to quantify the level of attainment.

Table ES-2 summarizes the baseline annual and recreational season (May 1st through October 31st) attainment of bacteria Existing WQ Criteria for the 2008 rainfall year, together with the maximum monthly fecal coliform geometric means. Non-recreation season fecal coliform GMs tend generally to be higher than recreation season GMs because bacteria have slower die-off rates at colder temperatures. For 2008, the larger disparity is due to more hours of precipitation and a greater volume of precipitation during the maximum GM month in the non-recreation season. As shown, all stations along Coney Island Creek meet Existing WQ Criteria in the recreational season (May 1st through October 31st), and Stations CI-6 and CI-7, near the mouth, meet the criteria on an annual basis. As shown in Table ES-3, DO is nearly attained for the Existing WQ Criteria with the exception of Station CI-1 where the projected attainment is 90 percent, due to poor tidal exchange and wet-weather non-CSO loading sources.

Table ES-2. Calculated 2008 Baseline Fecal Coliform Maximum Monthly GM and Attainment of Existing WQ Criteria

Station		Maximum Monthly Geometric Means (cfu/100mL)		% Attainment	
		Annual	Recreational Season	Annual	Recreational Season(1)
CI-1	Class I	1,600	99	58	100
CI-2		1,497	96	58	100
CI-3		858	56	75	100
CI-4		300	25	83	100
CI-5		276	25	83	100
CI-6		185	21	100	100
CI-7		157	16	100	100

Notes:
(1) The Recreational Season is from May 1st through October 31st. Class I standard of fecal coliform is 200 cfu/100ml.

Table ES-3. Calculated Baseline DO Attainment – Existing WQ Criteria (2008) Station

Station		DO Annual Attainment (%)
		Entire Water Column
		≥ 4.0 mg/L
CI-1	Class I	90
CI-2		95
CI-3		96
CI-4		98
CI-5		99
CI-6		99
CI-7		99

Levels of attainment for the Bacteria Primary Contact WQ Criteria on an annual or recreational season (May 1st through October 31st) basis are the same as those shown for the bacteria Existing WQ Criteria in Table ES-2, given that both standards share the same fecal coliform numerical threshold. All stations in Coney Island Creek are in attainment during the recreational season (May 1st through October 31st). On an annual basis, attainment at Stations CI-1 through CI-5 ranges from 58 to 83 percent attainment.

Table ES-4 presents a comparison of the maximum monthly geometric means and annual percent attainment for baseline conditions and 100% CSO control. The data in Table ES-4 show that CSO is a relatively minor contributor to the maximum monthly fecal coliform GM. The largest impact of the 100% CSO control scenario is calculated at the head end where there is a decrease of 64 cfu/100mL from the baseline GM of 1,600 cfu/100mL. The minimal impact of CSO is not unexpected as the upgrade of the Avenue V Pumping Station has resulted in a significant decrease in the annual CSO volume and number of CSO activations. The results also indicate there would be no change in attainment of the Class SC fecal coliform criterion due to the complete control of Coney Island Creek CSO loadings. Based on these results, the complete control of the Coney Island Creek CSO loadings alone will not close the gap between the 2008 baseline annual attainment of the Class SC fecal coliform criterion and full annual attainment. The remaining non-attainment in the non-recreational season (November 1st through April 30th) is attributable to non-CSO sources.

Table ES-4. Comparison of the Calculated 2008 Baseline and 100% Coney Island Creek CSO Control Fecal Coliform Maximum Monthly GM and Attainment of Bacteria Primary Contact WQ Criteria

Station		Maximum Monthly Geometric Means (Annual)		% Attainment (Annual)	
		Baseline	100% CSO Control	Baseline	100% CSO Control
CI-1	Class SC	1,600	1,536	58	58
CI-2		1,497	1,434	58	58
CI-3		858	809	75	75
CI-4		300	283	83	83
CI-5		276	261	83	83
CI-6		185	182	100	100
CI-7		157	153	100	100

The attainment of the DO Class SC criteria for the entire water column is presented in Table ES-5 for baseline and 100% CSO control conditions. The attainment of the daily average of greater than or equal to 4.8 mg/L is lower than the 95 percent annual target in the upper portion of the Creek, but reaches the target by Station CI-5. Attainment of the never less than 3.0 mg/L DO criterion is met at least 95 percent of the time throughout the Creek on an annual basis for the 2008 baseline conditions. Complete or 100% CSO control does not result in significant improvements in attainment of the Class SC DO criterion and, as such, does not close the gap between attainment and non-attainment.

Table ES-5. Model Calculated 2008 Baseline and 100% CSO Control DO Attainment of Class SC WQ Criteria

Station		Annual Attainment Percent Attainment (Water Column)			
		Baseline		100% Coney Island Creek CSO Control	
		≥ 4.8 mg/L	> 3.0 mg/L	≥ 4.8 mg/L	> 3.0 mg/L
CI-1	Class SC	82	95	86	97
CI-2		92	98	93	98
CI-3		92	99	93	99
CI-4		94	100	94	100
CI-5		95	100	95	100
CI-6		95	100	95	100
CI-7		97	100	97	100

The Potential Future Primary Contact WQ Criteria attainment for baseline conditions, 2008 recreational season (May 1st through October 31st), is shown below in Table ES-6. Attainment of the potential future primary contact GM criterion is poor in the upper end of the Creek with attainment ranging from 52 to 70 percent for the recreation season (May 1st through October 31st). The upper end of the Creek is close to non-CSO wet-weather bacteria sources and has reduced tidal flushing. The lower end of the Creek has full attainment of the GM criterion under these conditions. Table ES-6 shows there is essentially no attainment of the 90th percentile STV criterion in the upper end of the Creek, and attainment ranges between 10 and 69 percent in the lower end of the Creek. As shown in Table ES-7, minimal improvement in attainment of the Potential Future Primary Contact WQ Criteria would be realized from 100% CSO control.

Table ES-6. Calculated 2008 Baseline Enterococci Maximum 30-day GM and Seasonal Attainment of Potential Future Primary Contact WQ Criteria

Station		Maximum Recreational Season(1) 30-day Enterococci (cfu/100mL)		% Attainment	
		GM	90th Percentile STV	GM	90th Percentile STV
CI-1	Saline	155	5,203	52	0
CI-2		151	5,285	53	0
CI-3		83	2,524	70	2
CI-4		28	809	100	10
CI-5		27	857	100	10
CI-6		12	252	100	69
CI-7		11	262	100	65

Notes:
(1) The Recreational Season is from May 1st through October 31st.

Table ES-7. Calculated 2008 100% CSO Control Enterococci Maximum 30-day GM and Attainment of Potential Future Primary Contact WQ Criteria

Station		Maximum Recreational Season[(1)] 30-day Enterococci (cfu/100mL)		% Attainment	
		GM	90th Percentile STV	GM	90th Percentile STV
CI-1	Saline	155	4,844	54	0
CI-2		151	4,997	56	0
CI-3		83	2,306	75	2
CI-4		28	611	100	10
CI-5		27	627	100	11
CI-6		12	207	100	71
CI-7		11	218	100	69

Notes:
(1) The Recreational Season is from May 1st through October 31st.

The baseline modeling showed that Coney Island Creek exhibits a high level of attainment of the fecal coliform Primary Contact WQ criterion during the recreational season (May 1st through October 31st) and Class I DO on an annual basis. However, attainment of the fecal coliform Primary Contact WQ criterion drops below 95 percent at the upper reach of the Creek, from Stations CI-1 through CI-5, on an annual basis. The attainment levels with the Potential Future Primary Contact WQ Criteria are much lower throughout the Creek. Providing 100% CSO control is not predicted to significantly change the attainment of WQ criteria in Coney Island Creek.

Public Outreach

DEP's comprehensive public participation plan ensured that interested stakeholders were involved in the LTCP process. Stakeholders included local residents and citywide and regional groups, a number of whom offered comments at two public meetings held for this LTCP. DEP received a letter from the S.W.I.M. Coalition. DEP will continue to gather public feedback on waterbody uses and will provide further information to the public at a third Coney Island Creek Public Meeting. The third meeting will present the identified Preferred Alternative to the public after DEC's review of the LTCP.

Additional information on the public outreach activities is presented in Section 7 and Appendix B, Public Meeting Materials.

In addition to the two public meetings conducted to date, DEP staff met on September 9, 2015, with the Deputy Borough President (and staff), the District Managers of all of the Brooklyn Community Boards, and representatives from various Council Members to present information on Coney Island Creek water quality and waterbody characteristics and on the LTCP Program and its planning and alternatives processes.

Evaluation of Alternatives

DEP used a multi-step process to evaluate control measures and CSO control alternatives. The evaluation process considered: environmental benefits; community and societal impacts; and issues relating to implementation and operation and maintenance (O&M). After considering comments generated by detailed technical workshops, the retained alternatives were subjected to a functional review and cost-performance and cost-attainment evaluations, where economic factors were introduced. Table ES-8 presents the retained alternatives that resulted from the evaluation process.

Table ES-8. Retained Alternatives

Alternative	Description
VS1 - 25% CSO Control Shaft	• 100 ft deep, 52-ft diameter vertical storage shaft • 1.6 MG storage • 1,200 lf conveyance conduit
VS2 - 50% CSO Control Shaft	• 100 ft deep, 84-ft diameter vertical storage shaft • 4.1 MG storage • 1,200 lf conveyance conduit
DT1 - 75% CSO Control Tunnel	• 5,400-lf long, 15-ft diameter tunnel • 6.9 MG storage • 1 x 4,500 lf conveyance conduit • 1 x 4,900 lf conveyance conduit
DT2 - 100% CSO Control Tunnel	• 5,400-lf long, 21-ft diameter tunnel • 13.4 MG storage • 1 x 4,500 lf conveyance conduit • 1 x 4,900 lf conveyance conduit

Table ES-9 summarizes the projected Coney Island Creek CSO volumes, and percent reductions in CSO volume and bacteria loads for the retained alternatives.

Table ES-9. Coney Island Creek Retained Alternatives Summary

Alternative	Annual CSO Volume (MGY)	Annual CSO Volume Reduction (%)	Annual Fecal Coliform Reduction (%)	Annual Enterococci Reduction (%)
Baseline Conditions	75	-	-	-
VS1 - 25% CSO Control Shaft	56	25	25	25
VS2 - 50% CSO Control Shaft	37	50	50	50
DT1 - 75% CSO Control Tunnel	19	75	75	75
DT2 - 100% CSO Control Tunnel	0	100	100	100

Table ES-10 presents the CSO characteristics affected by this LTCP: (1) CSO volumes and frequency of overflows at Outfall OH-021 (2) the Owls Head system outside of Coney Island Creek and (3) the treated volumes at the Owls Head WWTP for both baseline conditions and the retained alternatives. As shown,

the retained CSO control alternatives have little impact on the performance of the remainder Owls Head WWTP and its collection system.

Table ES-10. Summary of Predicted Impacts of Retained Alternatives – Coney Island Creek Watershed and OH WWTP Service Area

Alternative	Outfall OH-021[(1)]		All Other OH CSO Outfalls	Processed at OH WWTP
	Volume MGY	Annual Activations	Volume MGY	Volume MGY
Baseline Conditions	75	20	2,760	34,510
1. VS1 - 25% CSO Control Shaft	56	13	2,730	34,560
2. VS2 - 50% CSO Control Shaft	37	9	2,720	34,590
3. DT1 - 75% CSO Control Tunnel	19	6	2,710	34,620
4. DT2 - 100% CSO Control Tunnel	0	0	2,700	34,650

Notes:
(1) Only CSO outfall in Coney Island Creek watershed.

Alternative Cost of the Preferred Alternative

The alternatives were reviewed for cost effectiveness, ability to meet WQ criteria, public comments and operations. The retained alternative estimated Probable Bid Costs (PBC), annual O&M costs, and total present worth, are shown below in Table ES-11. The total present worth ranges from $89M to $214M.

Table ES-11. Cost of Retained Alternatives

Alternative	PBC ($ Million)	Annual O&M Cost ($ Million)	Total Present Worth ($ Million)
1. VS1 - 25 % CSO Control Shaft	80.0	0.6	88.9
2. VS2 - 50% CSO Control Shaft	101.6	0.6	111.2
3. DT1 - 75% CSO Control Tunnel	144.0	0.7	154.3
4. DT2 - 100 % CSO Control Tunnel	205.3	0.8	217.3

A traditional knee-of-the-curve analysis is presented in Section 8.5 of the LTCP. After considering the respective costs and potential benefits, all retained alternatives represented a high expenditure, but only minimal improvement of attainment of WQS.

Affordability and Financial Capability

DEP has been in the midst of an unprecedented period of investment to improve water quality in New York Harbor. Since 2002 alone, projects worth almost $10.0B have been completed or are under way,

including projects for nutrient removal, CSO abatement, marshland restoration, and hundreds of other projects. DEP has committed nearly $4.2B from the WWFP ($2.7B) and the GI Program ($1.5), about half of which has been incurred to date. Table ES-12 provides a summary of CSO improvement projects that have been completed or are underway.

Table ES-12. Completed and Underway CSO Improvement Projects

1995 – 2015 (Completed): • NC WWTP MSP (620 MGD to 700 MGD) • Four CSO Storage Tanks (118 MG) • Pumping Station Expansions (GC & Ave V PS) • Floatables Control (Bronx & Gowanus) • NYC Green Infrastructure Program Initiated • Wet Weather Maximization (Tallman Island) • Dredging (Paerdegat Basin & Hendrix Creek) • Gowanus Canal Flushing Tunnel Expansion
2016 – 2030 (Underway): • Dredging (Flushing Bay) • Aeration (Newtown Creek) • Regulator Modifications and Floatables Control (Westchester Creek, Newtown Creek, Jamaica Tributaries) • Sewer Work (Pugsley Creek, Fresh Creek HLSS, Belt Pkwy Crossing, and Flushing Bay Low Lying Sewers) • 26th Ward Plant Wet Weather Stabilization • NYC Green Infrastructure Program
Total Costs (Completed and Ongoing): • Grey Infrastructure: $2.7 Billion • Green Infrastructure: $1.5 Billion

A preliminary Financial Capability Assessment has been conducted to assess the impact of current and future expenditures, including costs associated with the LTCP, on the financial capability of the City and on the financial burden to the rate payers and is included in Section 9.6 of this LTCP. According to EPA 1997 Guidance, a high economic impact occurs when expenditures per household exceed two percent of the Median Household Income (MHI) of the ratepayer base. The current figure is one percent for the average household, which translates to a mid-range financial impact. When combined with the score based on six additional criteria for the City's financial capacity, the EPA method indicates that the overall impact of the current wastewater expenditures fall into the "medium burden" category. The standard MHI metric used by EPA to define a high economic impact to ratepayers (i.e., affordability) is poorly applicable to NYC because of the City's skewed distribution of household income and other factors, including the very high cost of living for housing, food, transportation, and utilities relative to the nation as a whole.

EPA issued new guidance in 2014 that clarifies that permittees are encouraged to supplement the standard metrics with information that provides a more detailed and localized characterization of that permittee's financial capability and economic status of the residential ratepayer base. The type of information that could be presented includes, but is not limited to:

a. presentation of household income by quintiles;

b. poverty rates and trends;

c. cost of living;

d. total utility expenditures including expenditures to meet Safe Drinking Water Act (SDWA) mandates;

e. historical increases in rates or other dedicated revenue streams; and

f. information on the percent of households who own versus rent.

The supplemental information considered for this assessment indicates that when taking into account estimates for future spending, 50 percent of households would pay more than 2.0 percent of MHI (suggesting a "high" financial impact on residential users based on EPA guidance) by 2040 on wastewater bills alone. When accounting for both water and wastewater bills, the percentage of households spending at least 4.5 percent of their income could reach 38 percent by 2040. Taking into account cost of living adjustment factors to discount the value of household incomes to render them comparable to the U.S. average, would increase this percentage dramatically.

NYC has a poverty rate of approximately 21 percent, far higher than the national average of 15 percent. Thus, a large percentage of households would be adversely impacted by sustained rate increases. Additionally, recent data show stagnant to decreasing household incomes in the lower economic brackets. Accordingly, the snapshot picture of household income may underestimate the impacts of future rate increases.

Ultimately, the environmental, social, and financial benefits of all water-related obligations should be considered when priorities for spending are developed and implementation of mandates is scheduled, so that resources can be focused where the community will receive the greatest possible environmental benefit.

3. EVALUATIONS AND CONCLUSIONS

This LTCP found that the continued efficient operation of the upgraded Avenue V Pumping Station, the major recommendation from the 2009 WWFP, has proven to be a cost-effective CSO mitigation and WQ improvement measure. As such, it forms the foundation as the Preferred Alternative for this LTCP. Other components include the completion of the ongoing and planned sewer improvement projects within the watershed that are proposed under other non-CSO related programs.

The LTCP analyses for the Coney Island Creek LTCP recommended plan are summarized below for the following three areas:

1. Water Quality Modeling Results.
2. Use Attainability Analysis (UAA), Water Quality Compliance and Time to Recovery.
3. Summary of Recommendations.

Water Quality Modeling Results

The LTCP recommended plan water quality modeling results for Coney Island Creek are shown in Tables ES-13 through ES-16. These results provide the calculated annual and recreational attainment of the fecal coliform bacteria concentrations. The results show, for the different calculated levels of attainment, when concentrations would be at, or lower than, the Existing WQ Criteria, Bacteria Primary Contact WQ

Criteria, and Potential Future Primary Contact WQ Criteria under the 10-year simulation. Class SC DO criteria are also shown based on the 2008 WQ simulation.

The Existing WQ Criteria (200 cfu/100mL) attainment levels for the 10-year simulation are shown below in Table ES-13. As indicated in Table ES-13, the recommended plan does not achieve annual attainment of the existing fecal coliform criteria. However, the attainment is essentially realized for the recreational season (May 1st through October 31st) with the exception of Stations CI-1 and CI-2, where recreational season (May 1st through October 31st) attainment is projected to be 93 percent.

The Potential Future Primary Contact WQ Criteria attainment levels for the 10-year simulation are shown in Table ES-14. As indicated in this table, Potential Future Primary Contact WQ Criteria for enterococci (geometric mean <30 cfu/100mL) is met between 47 and 99 percent of the time and the 90th percentile STV of <110 cfu/100mL between 2 and 70 percent of the time.

The DO attainment for Existing WQ Criteria, as well as Class SC, is the same as that reported for baseline conditions in Tables ES-3 and ES-5. The LTCP framework does not evaluate DO attainment under a 10-year simulation.

Table ES-13. Calculated 10-year Preferred Alternative Attainment of Existing WQ Criteria and Bacteria Primary Contact WQ Criteria

Station		Fecal Coliform Attainment (%)	
		Annual	Recreational Season(1)
CI-1	Primary Contact Fecal Coliform GM < 200 cfu/100 mL	57	93
CI-2		56	93
CI-3		65	98
CI-4		90	100
CI-5		91	100
CI-6		100	100
CI-7		100	100

Notes:
(1) The Recreational Season is from May 1st through October 31st. Class I standard of fecal coliform is 200 cfu/100ml.

Table ES-14. Calculated 10-year Preferred Alternative Attainment of Potential Future Primary Contact Water Quality Criteria

Station		Enterococci Attainment Recreational Season (%)	
		GM <30	90th Percentile STV <110
CI-1	Potential Future Primary Contact WQ Bacteria Criteria	47	2
CI-2		48	2
CI-3		62	5
CI-4		81	14
CI-5		82	16
CI-6		99	70
CI-7		99	59

The LTCP assessment shows that Coney Island Creek does not meet bacteria Existing WQ Criteria annually and is very close to meeting it for the recreational season. The same is true for the Bacteria Primary Contact WQ Criteria. Table ES-15 presents an overview of the attainment status.

Table ES-15. Recommended Plan Compliance with Bacteria WQ Criteria Attainment

Location	Meets Existing WQ Criteria (Class I)	Meets Bacteria Primary Contact WQ Criteria	Meets Potential Future Primary Contact WQ Criteria
Coney Island Creek	NO(1)	NO(1)	NO

Notes:
YES indicates attainment is calculated to occur ≥ 95 percent of time.
NO indicates attainment is calculated to be ≤ 95 percent of time.
(1) Criteria not met annually but essentially met during the recreational season (May 1st through October 31st), except at Stations CI-1 and CI-2 (93%)

UAA, WQ Compliance and Time to Recovery

Given that the LTCP recommendations will not result in full compliance of WQS, DEP has prepared a UAA for Coney Island Creek (see Appendix C).

DEP performed an analysis to determine the amount of time following the end of rainfall periods required for Coney Island Creek to recover and return to fecal coliform concentrations of less than 1,000 cfu/100mL. The analysis consisted of examining water quality model bacteria concentrations for the August 14-15, 2008 storm event. The selection of the August 14-15, 2008, event for this analysis is described in Section 6. The time to return to fecal coliform concentrations below 1,000 cfu/100mL was then tabulated for each water quality station along the waterbody. The results of these analyses are summarized in Table ES-16.

As noted in the table, the duration of time for the bacteria concentrations to return to levels that the NYS Department of Health (DOH) considers safe for primary contact varies by location. Generally, approximately 24 hours would be a reasonable amount of time for Coney Island Creek to recover to DOH recommended levels. All stations recovered within 24 hours or less.

Table ES-16. Time to Recovery with Recommended Plan (August 14-15 2008)

Station	Preferred Alternative Time to Recovery (hrs) Fecal Coliform Target (1,000 cfu/100mL)
CI-1	24
CI-2	23
CI-3	20
CI-4	11
CI-5	9
CI-6	0
CI-7	0

Summary of Recommendations

The Preferred Alternative is projected to result in a very high level of seasonal attainment with existing bacteria criteria without the need to spend additional dollars on controls that would only result in a marginal benefit. Combined with the fact that the majority of the non-attainment is attributed to other non-CSO loading sources, and that even 100% CSO control would not result in further WQS improvement, the Preferred Alternative representing baseline conditions is the most suitable conclusion for this LTCP.

Water quality in Coney Island Creek has been significantly improved from the recent upgrades to the CSS associated with Outfall OH-021, the single CSO outfall that discharges to Coney Island Creek. The LTCP demonstrates that further reduction of CSO discharges, at any level, would not result in tangible improvements in attainment of WQS. As such, DEP recommends that projects to improve water quality in the Creek focus on other non-CSO sources of pollution outside the purview of this LTCP. Some of these projects, such as sewer improvements are already under construction.

This LTCP includes a UAA that assesses compliance with WQS based on the projected performance assessment conducted under this LTCP.

A wet-weather advisory during the recreational season (May 1st through October 31st), during which primary or secondary contact would not be recommended in Coney Island Creek, will be established in coordination with the NYC Department of Health and Mental Hygiene (DOHMH). The LTCP includes a recovery time analysis that can be used to establish the duration of the wet-weather advisory for public notification.

DEP is committed to improving water quality in this waterbody, and will continue to advance the improvements and actions identified under watershed improvement programs outside the CSO LTCP framework. Those initiatives are described in Section 8.0.

1.0 INTRODUCTION

This LTCP for Coney Island Creek was prepared pursuant to the Combined Sewer Overflow Consent Order (DEC Case No. CO2-20110512-25), dated March 8, 2012 (2012 CSO Consent Order), which modified a 2005 CSO Consent Order (DEC Case No. CO2-20000107-8) (2005 CSO Consent Order). Under the 2012 CSO Consent Order, DEP is required to submit ten waterbody-specific and one citywide LTCP to the DEC by December 2017. The Coney Island Creek LTCP is the seventh of those 11 LTCPs.

1.1 Goal Statement

The following is the LTCP Introductory Goal Statement, which appears as Appendix C in the 2012 CSO Consent Order. It is generic in nature, so that waterbody-specific LTCPs will take into account, as appropriate, the fact that certain waterbodies or waterbody segments may be affected by NYC's concentrated urban environment, human intervention, and current waterbody uses, among other factors. DEP will identify appropriate water quality outcomes based on site-specific evaluations in the drainage basin specific LTCP, consistent with the requirements of the CSO Control Policy and CWA.

> *"The New York City Department of Environmental Protection submits this Long Term Control Plan (LTCP) in furtherance of the water quality goals of the Federal Clean Water Act and the State Environmental Conservation Law. We recognize the importance of working with our local, State, and Federal partners to improve water quality within all citywide drainage basins and remain committed to this goal.*
>
> *After undertaking a robust public process, the enclosed LTCP contains water quality improvement projects, consisting of both grey and green infrastructure, which will build upon the implementation of the U.S. Environmental Protection Agency's (EPA) Nine Minimum Controls and the existing Waterbody/Watershed Facility Plan projects. As per EPA's CSO Control Policy, communities with combined sewer systems are expected to develop and implement LTCPs that provide for attainment of water quality standards and compliance with other Clean Water Act requirements. The goal of this LTCP is to identify appropriate CSO controls necessary to achieve waterbody-specific water quality standards, consistent with EPA's 1994 CSO Policy and subsequent guidance. Where existing water quality standards do not meet the Section 101(a)(2) goals of the Clean Water Act, or where the proposed alternative set forth in the LTCP will not achieve existing water quality standards or the Section 101(a)(2) goals, the LTCP will include a Use Attainability Analysis, examining whether applicable waterbody classifications, criteria, or standards should be adjusted by the State. The Use Attainability Analysis will assess the waterbody's highest attainable use, which the State will consider in adjusting water quality standards, classifications, or criteria and developing waterbody-specific criteria. Any alternative selected by a LTCP will be developed with public input to meet the goals listed above.*
>
> *On January 14, 2005, the NYC Department of Environmental Protection and the NYS Department of Environmental Conservation entered into a Memorandum of Understanding (MOU), which is a companion document to the 2005 CSO Order also executed by the parties and the City of New York. The MOU outlines a framework for coordinating CSO long-term planning with water quality standards reviews. We remain committed to this process outlined in the MOU, and understand*

that approval of this LTCP is contingent upon our State and Federal partners' satisfaction with the progress made in achieving water quality standards, reducing CSO impacts, and meeting our obligations under the CSO Orders on Consent."

This Goal Statement has guided the development of the Coney Island Creek LTCP and accompanying UAA.

1.2 Regulatory Requirements (Federal, State, Local)

The waters of NYC are subject to Federal and NYS regulations. The following sections provide an overview of the regulatory issues relevant to long-term CSO planning.

1.2.a Federal Regulatory Requirements

The CWA established the regulatory framework to control surface water pollution, and gave the EPA the authority to implement pollution control programs. The CWA established the National Pollutant Discharge Elimination System (NPDES) permit program. The NPDES permit program regulates point sources discharging pollutants into waters of the United States. CSOs and MS4 are also subject to regulatory control under the NPDES permit program. In New York, the NPDES permit program is administered by the DEC, and is thus a State Pollution Discharge Elimination System (SPDES) program. NYS has had an approved SPDES program since 1975. Section 303(d) of the CWA and 40 CFR §130.7 (2001) require states to identify waterbodies that do not meet WQS and are not supporting their designated uses. These waters are placed on the Section 303(d) List of Water Quality Limited Segments (also known as the list of impaired waterbodies or "303(d) List"). The 303(d) List identifies the stressor causing impairment, and establishes a schedule for developing a control plan to address the impairment. Placement on the list can lead to the development of a Total Maximum Daily Load (TMDL) for each waterbody and associated pollutant/stressor on the list. Pollution controls based on the TMDL serve as the means to attain and to maintain WQS for the impaired waterbody.

As of September 2014 Coney Island Creek remains delisted as a Category 4b waterbody for which required control measures (i.e., an approved LTCP) other than a TMDL are expected to restore uses in a reasonable period of time.

Table 1-1. 2014 DEC 303(d) Impaired Waters Listed and Delisted (with Source of Impairment)

Waterbody	Pathogens	Dissolved Oxygen (DO)/Oxygen Demand	Floatables
Coney Island Creek	Delisted Category 4b Urban/Storm/CSOs	Delisted Category 4b CSOs, Urban/Storm	Delisted Category 4b CSOs, Urban/Storm

1.2.b Federal CSO Policy

The 1994 EPA CSO Control Policy provides guidance to permittees and to NPDES permitting authorities on the development and implementation of an LTCP in accordance with the provisions of the CWA. The CSO policy was first established in 1994, and was codified as part of the CWA in 2000.

1.2.c New York State Policies and Regulations

NYS has established WQS for all navigable waters within its jurisdiction. The Coney Island Creek is classified as a Class I waterbody. Based on recent revisions to the NYS regulations, Class I waterbodies are defined as follows: The best usages of Class I waters are secondary contact recreation and fishing. These waters "shall be suitable for fish, shellfish, and wildlife propagation and survival" and the water quality "shall be suitable for primary contact recreation, although other factors may limit the use for this purpose". The corresponding total and fecal coliform standards for primary contact recreation are set forth in 6 NYCRR Part 703. This LTCP reflects these new regulatory standards, i.e., Primary Contact Water Quality Criteria.

The States of New York, New Jersey and Connecticut are signatories to the Tri-State Compact, which designated the Interstate Environmental District and created the Interstate Environmental Commission (IEC). The Interstate Environmental District includes all saline waters of greater NYC, including Coney Island Creek. The IEC was recently incorporated into and is now part of the New England Interstate Water Pollution Control Commission (NEIWPCC), a similar multi-state compact of which NYS is a member. Coney Island Creek is classified as Type A under the IEC system. Details of the IEC Classifications are presented in Section 2.2.

1.2.d Administrative Consent Order

NYC and DEC entered into a 2005 CSO Consent Order to address NYC CSOs. Among other requirements, the 2005 CSO Consent Order, as successively modified, requires DEP to evaluate and to implement CSO abatement strategies on an enforceable timetable for 18 waterbodies and, ultimately, for citywide long term CSO control in accordance with the 1994 EPA CSO Control Policy; to meet construction milestones; to complete the Flushing Bay CSO Retention Facility; and to incorporate GI into the LTCP process, as proposed under NYC's Green Infrastructure Plan. In a separate MOU, DEP and the DEC provided for WQS reviews in accordance with the EPA CSO Control Policy.

1.3 LTCP Planning Approach

The LTCP planning approach includes several phases. The first is the characterization phase – an assessment of current waterbody and watershed characteristics, system operation and management practices, green and grey infrastructure projects, and system performance. DEP is gathering the majority of this information from field observations, historical records, analyses of studies and reports, and collection of new data. The next phase involves the identification and analysis of alternatives to reduce the amount and frequency of wet-weather discharges and to improve water quality. Alternatives may include a combination of green and grey infrastructure elements that are carefully evaluated using both the collection system and receiving water models. Following the analysis of alternatives, DEP develops a recommended plan, along with an implementation schedule and strategy. If the proposed alternative does not achieve existing WQS or the Section 101(a)(2) goals of CWA, an LTCP also includes a UAA

examining whether applicable waterbody classifications, criteria, or standards should be adjusted by DEC.

1.3.a Integrate Current CSO Controls from Waterbody/Watershed Facility Plans (Facility Plans)

This LTCP integrates and builds upon DEP's prior efforts by capturing the findings and recommendations from the previous facility planning documents for this watershed, including the WWFP.

In June 2009, DEP issued the Coney Island Creek WWFP. The WWFP, which was prepared pursuant to the 2005 CSO Consent Order, includes an analysis and presentation of operational and structural modifications targeting the reduction of CSOs and improvement of the overall performance of the collection and treatment system within the watershed. The DEC approved the Coney Island Creek WWFP on July 15, 2009.

1.3.b Coordination with DEC

As part of the LTCP process, DEP has sought to work closely with DEC to share ideas, track progress, and work toward developing strategies and solutions to address wet-weather challenges for the Coney Island Creek LTCP.

DEP shared the Coney Island Creek alternatives and held discussions with DEC on the formulation of various control measures, and coordinated public meetings and other stakeholder presentations with DEC. On a quarterly basis, DEC, DEP, and outside technical consultants also convene for larger progress meetings that typically include technical staff and representatives from DEP and DEC's Legal Departments and Department Chiefs who oversee the execution of the CSO program.

1.3.c Watershed Planning

DEP prepared its CSO WWFPs before the emergence of GI as an established method for reducing stormwater runoff. Consequently, the WWFPs did not include a full analysis of GI alternatives for controlling CSOs. In comments on DEP's CSO WWFPs, community and environmental groups voiced widespread support for GI, urging DEP to place greater reliance upon that sustainable strategy. In September 2010, NYC published the *NYC Green Infrastructure Plan* (GI Plan). Consistent with the GI Plan, the 2012 CSO Consent Order requires DEP to analyze the use of GI in LTCP development. As discussed in Section 5.0, this sustainable approach includes the management of stormwater at its source through the creation of vegetated areas, bluebelts and greenstreets, green parking lots, green roofs, and other technologies.

1.3.d Public Participation Efforts

DEP made a concerted effort during the Coney Island Creek LTCP planning process to involve relevant and interested stakeholders, and to keep interested parties informed about the project. A public outreach participation plan was developed and implemented throughout the process; the plan is posted and regularly updated on DEP's LTCP program website, www.nyc.gov/dep/ltcp. Specific objectives of this initiative included the following:

- Develop and implement an approach that would reach interested stakeholders;

- Integrate the public outreach efforts with other aspects of the planning process; and
- Take advantage of other ongoing public efforts being conducted by DEP and other NYC agencies as part of related programs.

The public participation efforts for this Coney Island Creek LTCP are summarized in Section 7.0 in more detail.

2.0 WATERSHED/WATERBODY CHARACTERISTICS

This section summarizes the major characteristics of the Coney Island Creek watershed and waterbody, building upon earlier documents that characterize the area including, most recently, the WWFP for the Coney Island Creek (DEP, 2009). Section 2.1 addresses watershed characteristics and Section 2.2 addresses waterbody characteristics.

2.1 Watershed Characteristics

The Coney Island Creek watershed is highly urbanized, comprised primarily of residential areas with some commercial, industrial, institutional and open space/outdoor recreation areas within the Borough of Brooklyn, NY. This subsection contains a summary of the watershed characteristics as they relate to the land use, zoning, permitted discharges and their characteristics, sewer system configuration, performance, and impacts to the adjacent waterbodies, as well as the modeled representation of the collection system used to analyze system performance and CSO control alternatives.

2.1.a Description of Watershed

The Coney Island Creek watershed is comprised of approximately 3,470 acres on the southwestern shore of the Brooklyn Borough. The majority of the land immediately surrounding the shores of Coney Island Creek is primarily industrial and commercial. As described later in this section, the area is served by a complex collection system of combined and separate storm sewers, interceptor sewers and pumping stations, one CSO and eight DEP-owned stormwater outfalls. The watershed has undergone major changes as this part of NYC has been developed. As the watershed was developed, the condition of the waterbody and its shoreline was influenced by engineered sewer systems, filled-in wetlands and waterways, and an overall “hardening” of the shorelines with bulkheads.

The urbanization of the Coney Island Creek watershed has led to the creation of a large CSS, as well as areas served by municipal separate sanitary sewer systems (MS4). Stormwater drainage systems were also developed that discharge directly to Coney Island Creek, or to a nearby CSS. As shown in Figure 2-1, the Coney Island Creek watershed is served by the Owls Head (OH) WWTP and Coney Island (CI) WWTP service areas. Generally, the combined sewage is conveyed to the WWTPs for treatment. Combined sewage flow that exceeds the capacity of the CSS during wet-weather, discharges through CSO Outfall OH-021 to Coney Island Creek. A total of eight SPDES-permitted MS4 outfalls also discharge to Coney Island Creek.

As shown in Table 2-1, a total of 51 outfalls have been documented by the Shoreline Survey Unit of DEP’s Compliance Monitoring Section to exist along the shoreline of Coney Island Creek. Twelve of those outfalls are permitted DEP outfalls: CSO Outfall OH-021; eight MS4 outfalls, and three other outfalls associated with small drainage areas along the shoreline. These are described in Section 2.1.c.1. Of the remaining outfalls, four are owned by another NYC agency, and the remainder are associated with private entities.

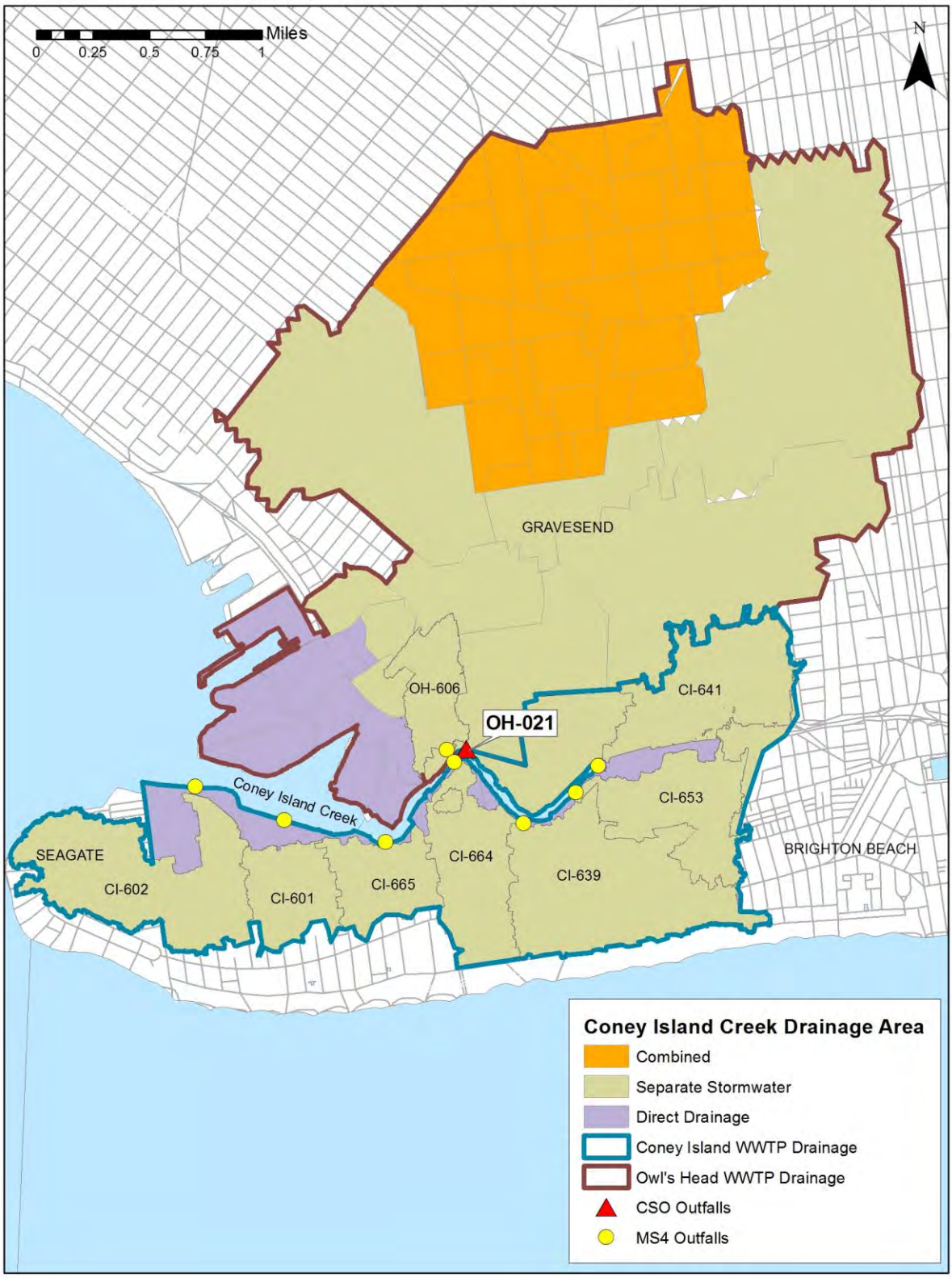

Figure 2-1. Coney Island Watershed - WWTP Service Areas and Outfalls

Table 2-1. Outfall Pipes to Coney Island Creek

Identified Ownership of Pipes	Number of Pipes
NYC DEP	DEP MS4 Permitted = 8
	DEP CSO Permitted = 1
	DEP Direct Permitted = 3
NYC Department of Transportation	4
Private	35
Total	51

As a residential community within NYC that is also an iconic recreational area for NYC residents, the Coney Island Creek area has several large and notable transportation corridors that cross the watershed to provide access between industrial, commercial and residential areas, such as Ocean Parkway, as well as major through-traffic routes, such as the Belt Parkway, that provides access to the Verrazano Bridge and to the Brooklyn-Queens Expressway. The watershed is served by the NYC transit system, and the Coney Island Rail Yard, one of the largest Metropolitan Transit Authority subway rail yards, is located along the northern shoreline of the waterbody (Figure 2-2).

2.1.a.1 Existing and Future Land Use and Zoning

The Coney Island Creek watershed contains all of the Community District 13 and a portion of Districts 11 and 15. The neighborhoods in the watershed include Gravesend, Homecrest, Coney Island and West Brighton.

Current land use in the watershed, shown in Figure 2-3, generally aligns with the established zoning. A discussion on current land uses, zoning, neighborhood and community characteristics, and NYC's planned future zoning and uses follows.

In general, the riparian areas immediately surrounding Coney Island Creek (including all blocks which are wholly or partially within a quarter mile of the shoreline) are dominated by residential uses, open space and transportation utilities. Table 2-2 summarizes the land use characteristics of both the Coney Island Creek watershed and riparian area. Riparian areas are characterized as 33 percent residential, 21 percent open space, and 46 percent a mix of various uses, including public facilities and institutions, industrial, commercial, and transportation-related uses as shown in Figure 2-4.

Table 2-2. Existing Land Use within the Coney Island Creek Drainage Area

Land Use Category	Percent of Area	
	Riparian Area (1/4-mile radius) (%)	Drainage Area (%)
Commercial	6	5
Industrial	2	1
Open Space and Outdoor Recreation	21	10
Mixed Use and Other	3	5
Public Facilities	6	6
Residential	33	59
Transportation and Utility	17	7
Parking Facilities	4	2
Vacant Land	7	4



Figure 2-2. Major Transportation Features of Coney Island Creek Watershed

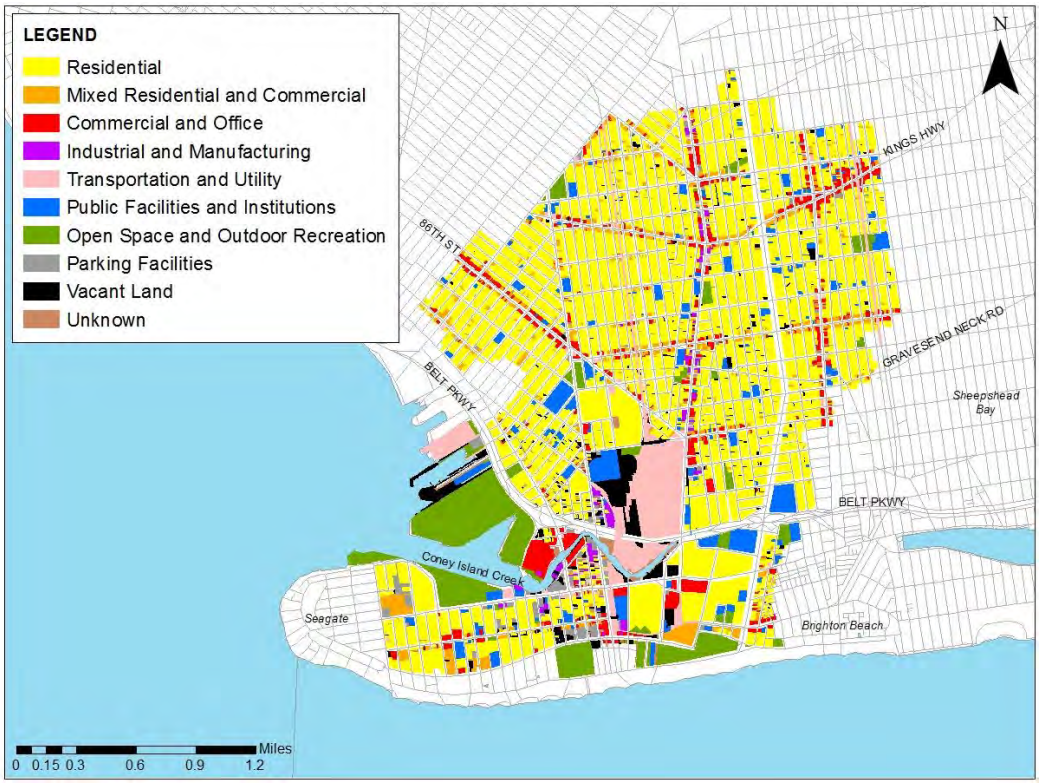

Figure 2-3. Land Use in Coney Island Creek Watershed

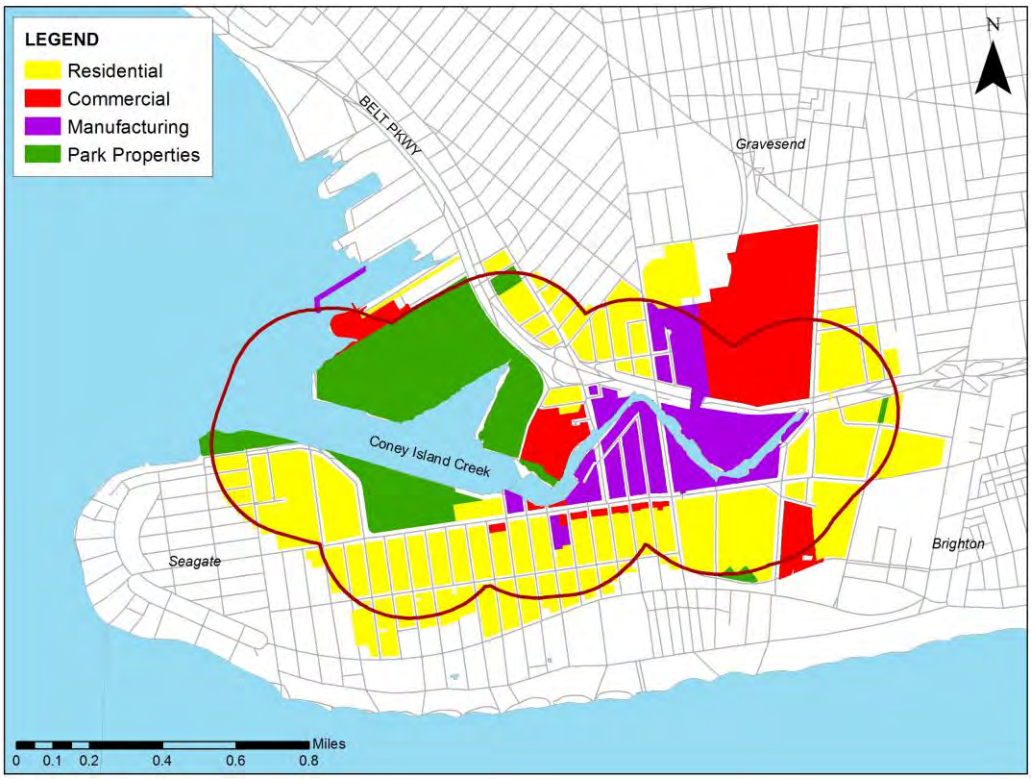

Figure 2-4. Quarter Mile Riparian Zoning in the Coney Island Creek Vicinity

As a whole, the watershed is 59 percent residential, 10 percent open space, and 31 percent a mix of various uses, including public facilities and institutions, industrial, commercial, and transportation-related uses. The study area is comprised primarily of residential land uses. Commercial land use is predominantly oriented toward serving the daily needs of the resident population. Commercial uses comprise 5 percent of the total land area. Only 1 percent of the drainage area is industrialized. Approximately 10 percent of the drainage area is occupied by open spaces such as parks and recreational facilities. Calvert Vaux Park, Coney Island Boat Basin and Kaiser Playground are among the largest open spaces in the drainage area. Several public institutions are spread throughout the study area. These include private and public schools, Brooklyn public libraries, senior citizen and day care centers, and the Coney Island Hospital.

The New York City Waterfront Revitalization Program (WRP) policies are used to evaluate proposed actions affecting future land use and zoning against 10 policy objectives: (1) residential and commercial development, (2) water-dependent and industrial users, (3) commercial and recreational boating, (4) coastal ecological systems, (5) water quality, (6) flooding and erosion, (7) solid waste and hazardous substances, (8) public access, (9) scenic resources, and (10) historic and cultural resources.

New York City Department of City Planning (DCP) has designated the majority of the Coney Island Creek watershed as part of the Coastal Zone. However, no designated Significant Maritime and Industrial Areas or Special Natural Waterfront Areas exist within the Coney Island Creek Coastal Zone. Any proposed land uses for the Coney Island Creek project area, including those associated with the LTCP, must demonstrate consistency with the WRP.

The most pertinent long-term planning information available during the preparation of this LTCP is included in the Vision 2020 – New York City Waterfront Plan. The Vision 2020 plan envisions exploring opportunities to improve existing public waterfront areas, including boat launching and fishing; to support public access/recreation; to restore wetlands; and to enhance, manage and continue to restore salt marshes and ecologically sensitive areas (Recommendation Area 1 – Coney Island Creek). The plan also recommends the study of the land use and zoning to facilitate appropriate development (Recommendation Area 2 – Special Coney Island Mixed Use District). Those two target areas are part of "Reach 16" within the Coney Island Creek watershed, as shown in Figure 2-5.

2.1.a.2 Permitted Discharges

Eight NYC permitted MS4 stormwater outfalls and one NYC permitted CSO outfall are located along Coney Island Creek. These discharge locations are discussed in more detail in Section 2.1.c. No permitted dry-weather discharges are associated with this waterbody. Based on data available on-line at the date of submittal of this LTCP, it was determined that no State-significant industrial SPDES permit holders are operating facilities located in the watershed.



Figure 2-5. Vision 2020 – Reach 16

2.1.a.3 Impervious Cover Analysis

Impervious surfaces within a watershed are those characterized by an artificial surface, such as concrete, asphalt, rock, or rooftop. Some of the rainfall that lands on an impervious surface will remain on the surface via ponding, and will disappear through evaporation. The remaining rainfall volume becomes overland runoff that may flow directly into the CSS or into a separate stormwater system, may flow to a pervious area and soak into the ground, or may flow directly to a waterbody. The impervious surface and, more specifically, the portion of the impervious surface that is directly connected to the CSS, is an important parameter in the characterization of a watershed, and in the development of hydraulic models used to simulate CSS performance.

A representation of the impervious cover was made in the 13 NYC WWTPs combined area drainage models developed in 2007 to support the several WWFPs that were submitted to DEC in 2009. The models and the impervious surface representation were recently updated.

As NYC began to focus attention on the use of GI to manage street runoff of stormwater by either slowing it down prior to entering the combined sewer network, or preventing it from entering the network entirely, it became clear that a more detailed evaluation of the impervious cover would be beneficial. In addition, NYC realized that it would be important to distinguish between impervious surfaces that introduce storm runoff directly to the sewer system (Directly Connected Impervious Areas) from those impervious surfaces that may not contribute runoff directly to the sewers. For example, a rooftop with roof drains connected directly to the combined sewers (as required by the NYC Plumbing Code), would be an impervious surface that is directly connected. However, a sidewalk or impervious surface adjacent to parkland may not contribute storm runoff to the CSS and, as such, would not be considered directly connected.

In 2009 and 2010, DEP invested in the development of high-quality satellite measurements of impervious surfaces required to conduct the analyses that improved the differentiation between pervious and impervious surfaces, as well as the different types of impervious surfaces. Flow meter data were then used to estimate the directly connected impervious area (DCIA). The data and the approach used are described in detail in the InfoWorks CS™ (IW) Citywide Model Recalibration Report (DEP, 2012a). The result of this effort yielded an updated model representation of the areas that contribute runoff to the CSS. This improved set of data aided model recalibration and better informed the deployment of GI projects to reduce runoff from impervious surfaces that contribute flow to the collection system.

2.1.a.4 Population Growth and Projected Flows

DEP routinely develops water consumption and dry-weather wastewater flow projections for DEP planning purposes. In 2012, DEP projected an average per capita water demand of 75 gallons per day that was representative of future uses. The year 2040 was established as the planning horizon, and populations for that time were developed by the DCP and the New York Transportation Metropolitan Council.

The 2040 population projection figures were then used with the dry-weather per capita sewage flows to establish the dry-weather sewage flows in the IW models for the Owls Head and Red Hook WWTP sewersheds. This was accomplished by using Geographical Information System (GIS) tools to proportion the 2040 populations locally from the 2010 census information for each landside subcatchment tributary to each CSO outfall. Per capita dry-weather sanitary sewage flows for these landside model subcatchments were established as the ratio of two factors: the per capita dry-weather sanitary sewage flow for each year; and 2040 estimated population for the landside model subcatchment within the WWTPs service areas.

2.1.a.5 Update Landside Modeling

The Coney Island Creek watershed is included within the Owls Head and Coney Island WWTPs system IW models. Several modifications to both collection systems have occurred since the models were calibrated in 2009. Given that both models have been used for analyses associated with the annual reporting requirements of the SPDES permit, Best Management Practices (BMPs) and PCM program, many of these changes already have been incorporated into the models. Other updates to the modeled representation of the collection systems that have been made since the 2009 update include:

- Additional detail and resolution incorporated at the Avenue V Pumping Station to represent the modulating influent gate and the variable speed pumps.
- Hydraulic loss coefficients and conduit diameters were updated on the branch interceptor from the CSO Regulator Av-1.
- Separate stormwater (MS4) area delineations were updated by DEP and those changes were incorporated in the IW model.
- Additional stormwater piping was added to represent separated flows tributary to the OH-021 outfall.
- OH-021 outfall pipe was explicitly modeled in greater detail (pipe sizes and inverts updated based on drawings).

In addition to changes made to the modeled representations of the collection system configuration, other changes include:

- ***2015 Validation.*** The model was updated based on temporary flow monitoring data collected from March 23, 2015 to August 12, 2015 near the Avenue V Pumping Station, as well as in four stormwater conduits. Adjustments to hydraulic loss coefficients and the pump setup were made to achieve reasonable agreement between modeled and observed flows and volumes in the combined sewers entering the Avenue V Pumping Station and the CSO discharges to OH-021. Additionally, model parameters (runoff hydrology, area delineation, etc.) describing the areas tributary to the four stormwater monitoring locations were validated.

- ***Runoff generation methodology***. The identification of pervious and impervious surfaces. As described in Section 2.1.a.3 above, the impervious surfaces were also categorized into DCIA and impervious runoff surfaces that do not contribute runoff to the collection system.

- ***GIS Aligned Model Networks.*** Historical IW models were constructed using record drawings, maps, plans, and studies. Over the last decade, DEP has been developing a GIS system that will provide the most up-to-date information available on the existing sewers, regulators, outfalls, and pump stations. Part of the update and model recalibration utilized data from the GIS repository for interceptor sewers.

- ***Interceptor Sediment Cleaning Data.*** Between April 2009 and May 2011, DEP undertook a citywide interceptor sediment inspection and cleaning program over approximately 136 miles of NYC's interceptor sewers. Data on the average and maximum sediment in the inspected interceptors were available for use in the model as part of the update and recalibration process. Multiple sediment depths available from sonar inspections were spatially averaged to represent depths for individual interceptor segments included in the model that had not yet been cleaned.

- ***Evapotranspiration Data.*** Evapotranspiration (ET) is a meteorological input to the hydrology module of the IW model that represents the rate at which depression storage (surface ponding) is depleted and available for use for additional surface ponding during subsequent rainfall events. In previous versions of the model, an average rate of 0.1 inches/hour (in/hr) was used for the model calibration, while no evaporation rate was used as a conservative measure during alternatives analyses. During the update of the model, hourly ET estimates obtained from four National Oceanic and Atmospheric Administration (NOAA) climate stations (John F. Kennedy [JFK], Newark [EWR], Central Park [CPK], and LaGuardia [LGA]) for an 11-year period were reviewed. These data were used to calculate monthly average ETs, which were then used in the updated model. The monthly variations enabled the model simulation to account for seasonal variations in ET rates, which are typically higher in the summer months.

- ***Tidal Boundary Conditions at CSO Outfalls.*** Tidal stage can affect CSO discharges when tidal backwater in a CSO outfall reduces the ability of that outfall to relieve excess flow. Model updates took into account this variable boundary condition at CSO outfalls that were influenced by tides. Water elevation, based on the tides, was developed using a customized interpolation tool that assisted in the computation of meteorologically-adjusted astronomical tides at each CSO outfall in the New York Harbor complex.

- ***Dry-Weather Sanitary Sewage Flows.*** Dry-weather sewage flows were developed as discussed in Section 2.1.a.4 above. Hourly dry-weather flow (DWF) data for 2011 were used to develop the hourly diurnal variation patterns at each plant. For the calibration period, the DWF generation rates were developed by dividing 2011 plant flows by the population from the 2010 census. The DWF generation rate was then applied to each catchment in the model based on population. The resulting DWF was then adjusted if necessary to match the calibration meters. The projected 2040 DWF were used in the LTCP Baseline Conditions model that was the basis for evaluating alternatives.

- ***Precipitation.*** The annual rainfall series that was to be used to represent a typical year of rainfall for annual model simulations was re-evaluated as part of this exercise. This re-evaluation is discussed in Section 2.1.b below.

In addition to the updates and enhancements listed above, 13 of NYC's IW landside models underwent recalibration in 2012. The recalibration process and results are included in the IW Citywide Recalibration Report (DEP, 2012a) required by the 2012 CSO Consent Order. Following this report, DEP submitted to DEC a Hydraulic Analysis Report in December 2012. The general approach followed was to recalibrate the model in a step-wise fashion beginning with the hydrology module (runoff). The following summarizes the overall approach to model update and recalibration:

- ***Site scale calibration (Hydrology).*** The first step was to focus on the hydrologic component of the model, which had been modified since 2007. Flow monitoring data were collected in upland areas of the collection systems, remote from (and thus largely unaffected by) tidal influences and in-system flow regulation, for use in understanding the runoff characteristics of the impervious surfaces. Data were collected in two phases – Phase 1 in the Fall of 2009, and Phase 2 in the Fall of 2010. The upland areas ranged from 15 to 400 acres in size. A range of areas with different land use mixes was selected to support the development of standardized sets of coefficients which could be applied to other unmonitored areas of NYC. The primary purpose of this element of the recalibration was to adjust pervious and impervious area runoff coefficients to provide the best fit of the runoff observed at the upland flow monitors.

- ***Area-wide recalibration (Hydrology and Hydraulics).*** The next step in the process was to focus on larger areas of the modeled systems where historical flow metering data were available, and which were neither impacted by tidal backwater conditions nor subjected to flow regulation. Where necessary, runoff coefficients were further adjusted to provide reasonable simulation of flow measurements made at the downstream end of these larger areas. The calibration process then moved downstream further into the collection system, where flow data were available in portions of the conveyance system where tidal backwater conditions could exist, as well as potential backwater conditions from throttling at the WWTPs. The flow measured in these downstream locations would further be impacted by regulation at in-system control points (regulators, internal relief structures, etc.). During this step in the recalibration, minimal changes were made to runoff coefficients.

The results of this effort were models with better representation of the collection systems and their tributary areas. These updated models are used for the alternatives analysis as part of the Coney Island Creek LTCP. A comprehensive discussion of the recalibration efforts can be found in the previously noted

IW Citywide Recalibration Report (DEP, 2012a) and the Hydraulic Analysis Report (DEP, December 2012). Additional model updates were made in support of this LTCP and were described earlier.

2.1.b Review and Confirm Adequacy of Design Rainfall Year

In previous planning work for the WWFPs, DEP applied the 1988 annual precipitation characteristics to the landside IW models to develop loads from combined and separately sewered drainage areas. The year 1988 was considered representative of long-term average conditions. Therefore, that year was used to analyze facilities where "typical" rather than extreme conditions served as the basis of design, in accordance with the EPA CSO Control Policy of using an "average annual basis" for analyses. However, in light of increasing concerns over climate change, with the potential for more extreme and possibly more frequent storm events, the selection of 1988 as the average condition was re-considered. A comprehensive range of historical rainfall data were evaluated from 1969 to 2010 at four rainfall gages (CPK, LGA, JFK, EWR). The 2008 JFK rainfall was determined to be the most representative of average annual rainfall across all four gages. Figure 2-6 shows the annual rainfall at JFK for 1969 through 2014. As indicated in Figure 2-6, the JFK 2008 rainfall currently used for the LTCP typical year includes almost six inches more rainfall than JFK 1998 rainfall that was used for the WWFP evaluations, and is more consistent with recent rainfall trends. As a result, recent landside modeling analyses as part of the LTCP process in NYC have used the 2008 precipitation as the typical rainfall year, together with the 2008 tide observations. Based on an analysis of 30 years of rainfall data at four rain gages (JFK, LGA, EWR, CPK), the rainfall recorded at the JFK gage in 2008 was also determined to be closest in characteristics to the 30-year average of all four gages together. The 2008 JFK data had a higher total rainfall volume than the JFK 1988 data, and was considered to be more reflective of current climate conditions. The 10-year period of 2002 to 2011 is also used to assess long-term performance of the LTCP recommended plans (see Section 6).

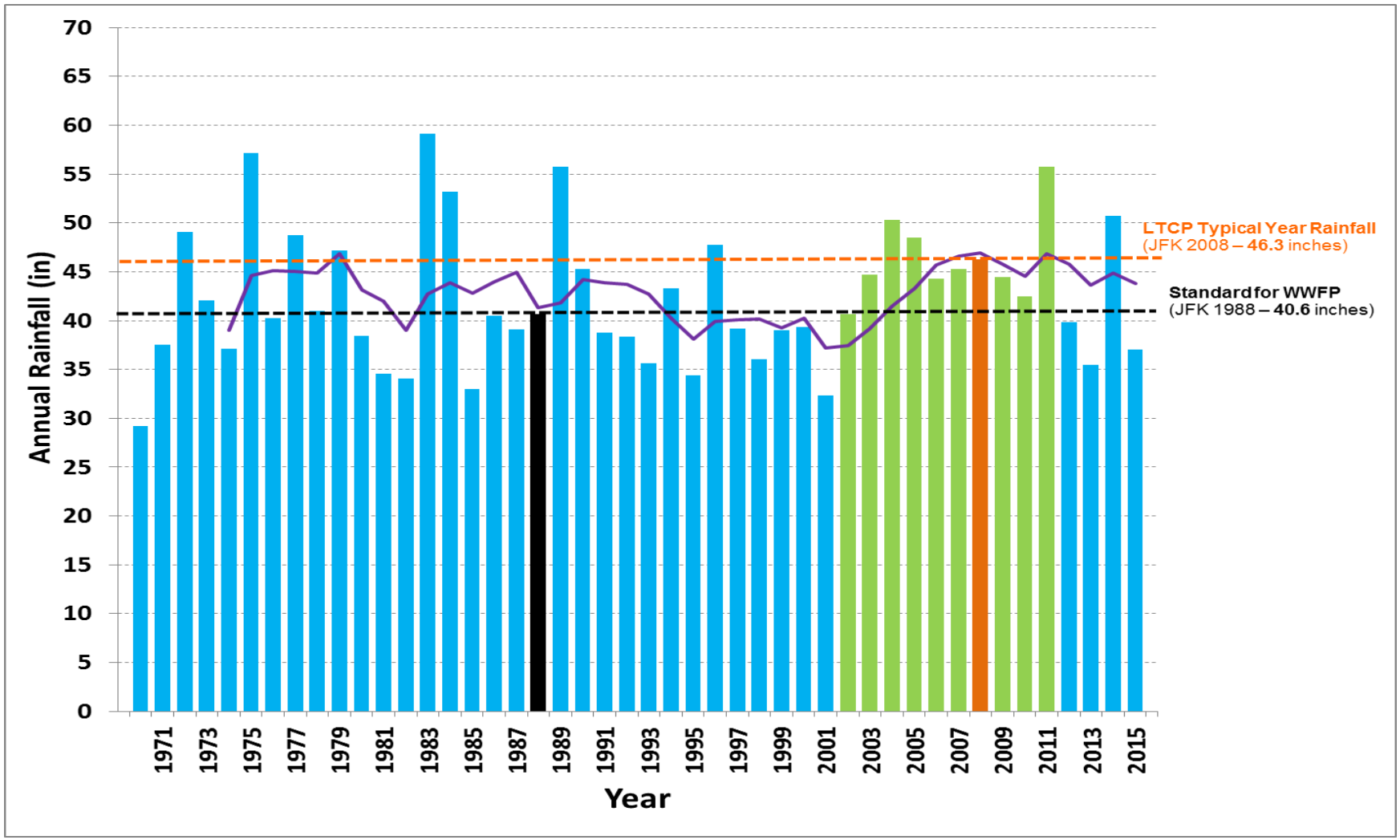

Figure 2-6. Annual Rainfall Data and Selection of the Typical Year

2.1.c Description of Sewer System

The Coney Island Creek watershed/sewershed is located within the Borough of Brooklyn (Kings County, within NYC) political jurisdiction. The watershed is served by the Owls Head and Coney Island WWTPs and associated collection systems. The Coney Island Creek watershed and associated WWTP service areas are shown in Figure 2-1. The following sections describe the major features of the Owls Head and Coney Island WWTP tributary areas. Table 2-3 shows the areas served by the various drainage system categories.

Table 2-3. Coney Island Creek Sewershed: Acreage Per Sewer System Category

Sewer Area Description	Area (acres)
Combined	839
Separate	2,304
Direct Drainage	293
Other(1)	34
Total	**3,470**

Notes:
(1) Areas not classified as stormwater separate area and also not direct drainage

The combined sewer drainage areas have been delineated over many years and during numerous planning studies. As such, they fairly accurately represent the area in the Coney Island Creek watershed serviced by combined sewers. Recently, DEP delineated the separate stormwater and direct drainage areas tributary to Coney Island Creek. The resulting delineations have been incorporated in the analyses supporting this LTCP and have enhanced the representation of the stormwater separate sewer system within the IW model framework.

2.1.c.1 Overview of Drainage Area and Sewer System

Owls Head WWTP Drainage Area and Sewer System

The northern portion of the Coney Island Creek watershed is served by the Owls Head WWTP as shown in Figure 2-1. The Owls Head sewershed includes sanitary and combined sewers. The Owls Head collection system associated with Coney Island Creek includes:

- Two pumping stations (Avenue V and Avenue U Pumping Stations);
- One combined sewer flow regulator structure; and
- One active CSO discharge outfall.

Table 2-4 shows the acreage by outfall/regulator/relief structure for the Owls Head WWTP service area within the Coney Island Creek watershed.

Table 2-4. Owls Head WWTP Service Area Within Coney Island Creek Watershed: Acreage by Outfall/Regulator/Relief Structure

Outfall	Outfall Drainage Area (acres)	Regulator/Relief Structure	Regulator Drainage Area	Regulated Drainage Area Type
OH-021(1)	1,628	Avenue V Pumping Station Reg Av-1	839	Combined

Notes:
(1) Outfall also discharges stormwater from MS4 stormwater separate drainage areas tributary to the outfall barrels downstream of Regulator Av-1.

The Avenue V and Avenue P Pumping Stations operate within the Owls Head portion of the Coney Island Creek sewershed. The Avenue V Pumping Station serves both a CSS and separate SSS while the Avenue U Pumping Station serves a SSS.

The Owls Head WWTP is located in the Bay Ridge section of the Borough of Brooklyn, City of New York, on the southwestern tip of the Owls Head Park. The Owls Head WWTP treats wastewater from a CSS, which serves a population of approximately 780,000 and drains stormwater flow from an area of almost 13,664 acres. The Owls Head WWTP began operating in 1952 and has been providing full secondary treatment since 1995. Treatment processes include: primary screening; raw sewage pumping; grit removal and primary settling; air activated sludge capable of operating in the step aeration mode; final settling; and chlorine disinfection. The Owls Head WWTP has a design dry-weather flow capacity of 120 MGD, and is designed to receive a maximum wet-weather flow of 240 MGD (two times design dry-weather flow [2xDDWF]), with 180 MGD (one and one-half times design dry-weather flow [1.5xDDWF]) receiving secondary treatment. Flows over 180 MGD receive primary treatment and disinfection.

Owls Head Non-Sewered Areas

No unsewered areas are known to exist in the Coney Island Creek sewershed served by the Owls Head WWTP.

Owls Head Permitted Stormwater Outfalls

One of the DEP MS4 permitted stormwater outfalls shown on Figure 2-1 (OH-606) discharges to Coney Island Creek from the Owls Head sewershed on the north side of the Creek. Runoff from this and other MS4 areas do not enter the CSS; the stormwater drains from the separate stormwater sewer system directly to Coney Island Creek through a SPDES-permitted MS4 outfall structure. Other separate stormwater drainage areas within the watershed area served by the Owls Head WWTP are tributary to CSO Outfall OH-021. The runoff from these drainage areas enters the outfall barrels downstream of Regulator Av-1 and is thus considered an MS4 loading under the LTCP framework.

One other DEP-owned 24-inch diameter outfall, OH-450, is located on the northern bank of Coney Island Creek at the Cropsey Avenue Bridge, and is classified as direct discharge. Within the analysis of this LTCP, the small drainage area associated with this outfall pipe is handled as direct drainage.

No high level storm sewer (HLSS) works are planned or ongoing in the Coney Island Creek sewershed.

Owls Head/Coney Island Creek CSOs

Wet-weather flows in the CSS result in overflows to the nearby waterbodies when the flows exceed the hydraulic capacity of the sewer system or the specific capacity of the local regulator structure. The only SPDES-permitted CSO outfall to Coney Island Creek is Outfall OH-021. The location of CSO Outfall OH-021 is shown in Figure 2-1.

Coney Island WWTP Drainage Area and Sewer System

The portion of the Coney Island Creek sewershed served by the Coney Island WWTP surrounds the southern and northeastern shores of the Creek, and generally overlays the drainage areas associated with SPDES MS4 Outfalls CI-601, CI-602, CI-665, CI-639, CI-653 and CI-641. It yields an aggregated drainage area of approximately 808 acres, served exclusively by separate sanitary sewers and stormwater sewers.

Coney Island WWTP Non-Sewered Areas

No unsewered areas are known to exist in the Coney Island Creek sewershed served by the Coney Island WWTP.

Coney Island Permitted Stormwater Outfalls

According to the MS4 permit, seven separate storm sewer outfalls are located along the shore of Coney Island Creek associated with the Coney Island WWTP service area. In addition, the DEP Shoreline Survey identified, two other outfalls, CI-596 and CI-408, which are located on the southern bank of Coney Island Creek, and classified as direct discharge. Within the analysis of this LTCP, the drainage areas associated with these pipes are handled as direct drainage.

Coney Island WWTP CSOs

As noted earlier, the Coney Island Creek watershed served by the Coney Island WWTP comprises separate sanitary sewers and stormwater sewers exclusively. No CSS elements or CSOs are associated with the collection system.

2.1.c.2 Stormwater and Wastewater Characteristics

The concentrations found in wastewater, combined sewage, and stormwater can vary based on a number of factors, including flow rate, runoff contribution, and the mix of the waste discharged to the system from domestic and non-domestic customers. Because the mix of these waste streams can vary, it can be challenging to identify a single concentration to use for analyzing the impact of discharges from these systems to receiving waters.

Data collected from sampling events were used to estimate concentrations for biochemical oxygen demand (BOD), total suspended solids (TSS), fecal coliform bacteria and enterococci bacteria to use in calculating loadings from various sources.

Data collected under the LTCP sampling program summarized in the form of GM in Table 2-5 from April to June 2015, constitute the most recent data available. The sampling locations listed are located within the Owls Head WWTP service area. The range of stormwater bacteria concentrations that yield the GMs

shown in Table 2-5 will be used to assign bacteria loadings to the MS4 system tributary to Coney Island Creek.

Table 2-5. Stormwater Discharge Concentrations
Owls Head WWTP Service Areas

Stormwater Sampling Location	Enterococci (cfu/100mL) Sampling Period GM	Fecal Coliform (cfu/100mL) Sampling Period GM
SW-1	15,300	18,800
SW-2	27,400	35,200
SW-3	29,800	11,400
SW-4	47,600	57,400
Composite GM	27,600	27,100

The IW sewer system model (Section 2.1.a.5) is used to generate the flows from NYC storm sewer outfalls. Table 2-6 presents the concentrations that are used in conjunction with the flows to develop loadings.

Table 2-6. Coney Island Creek Source Loadings Characteristics

Source	Flow	Enterococci (cfu/100mL)[2,3]	Fecal Coliform (cfu/100mL)[2,3]	BOD-5 (mg/L)
Stormwater	IW	27,600	27,100	9
CSOs (Outfall OH-021)	IW	Monte Carlo	Monte Carlo	168 for sanitary with mass balance
Direct Drainage[1]	IW	6,000	4,000	9

Notes:
(1) Direct drainage concentrations to reflect recent update to direct drainage bacteria concentrations derived from the low end concentrations from the 2005 Memo (HydroQual 2005a, May 4, 2005, NY/NJ Harbor Estuary Program Model Application of Stormwater Sampling Results, Technical Memorandum, from the New York State Stormwater Manual and from experience in the Charles River watershed.)
(2) DEP, Coney Island Creek LTCP Sampling Program, 2015.
(3) Bacterial concentrations expressed as “colony forming units” per 100mL.

A flow monitoring and sampling program targeting CSO tributary to Coney Island Creek was implemented as part of this LTCP. Data were collected to supplement existing information on the flows/volumes and concentrations of various sources to the waterbody.

CSO concentrations can vary widely and are a function of many factors. Generally, CSO concentrations are a function of local sanitary sewage and runoff entering the combined sewers.

CSO concentrations were measured in 2015 to provide site-specific information for Outfall OH-021. The CSO bacteria concentrations were characterized by direct measurements of four CSO events during various storms throughout June to August 2015. These concentrations are shown in the form of a cumulative frequency distribution in Figure 2-7. Individual sample points are shown, as well as the trend line that best fits the data distribution. For Outfall OH-021, CSO discharges measured fecal coliform

concentrations are log-normally distributed, and values range from 18,000 to 2,200,000 cfu/100mL (Figure 2-7). Similarly, enterococci concentrations are also log-normally distributed and range from 25,000 to 620,000 cfu/100mL.

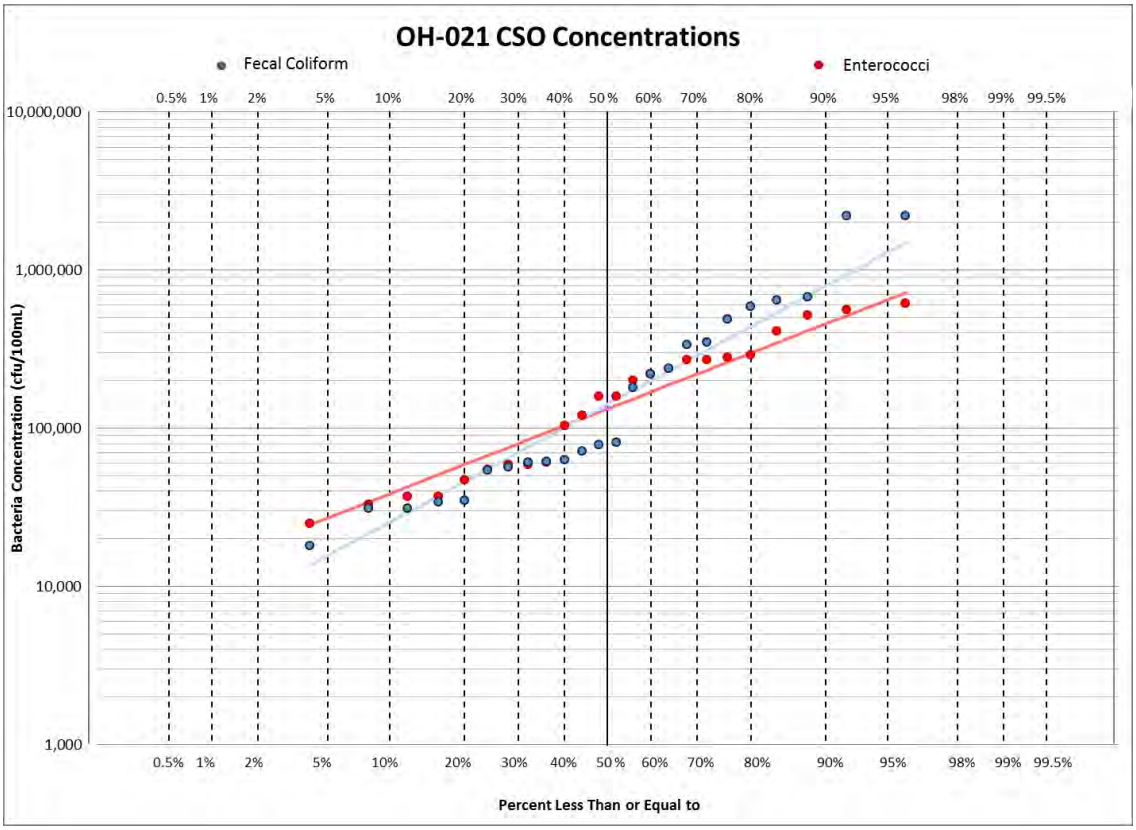

Figure 2-7. Outfall OH-021 Measured CSO Bacteria Concentrations

Flow monitoring data were collected for CSO Outfall OH-021 to support the development of the Coney Island Creek LTCP. The Owls Head WWTP IW model calibration expanded upon the recently calibrated version of the IW model used in the analysis of the Gowanus Canal LTCP (DEP, 2015). This prior version of the model was supported by the peer-reviewed data gathered under the NYC CSO Pilot Monitoring Program for other outfalls within the Owls Head collection system. A description of the IW calibration processes based on the flow monitoring data gathered for Outfall OH-021 was provided earlier in Section 2.1.a.5.

Sampling, data analyses, and water quality modeling calibration resulted in the assignment of flows and loadings to these sources for inclusion in the calibration/validation of the water quality model.

2.1.c.3 Hydraulic Analysis of Sewer System

A citywide hydraulic analysis was completed in December 2012 (an excerpt of which is included in this subsection), to provide further insight into the hydraulic capacities of key system components and system responses to various wet-weather conditions. The hydraulic analyses can be divided into the following major components:

- Annual simulations to estimate the number of annual hours that the WWTP is predicted to receive and treat up to 2xDDWF for rainfall years 2008, and with projected 2040 DWFs; and
- Estimation of peak conduit/pipe flow rates that would result from a significant single event with projected 2040 DWFs.

Detailed presentations of the data were contained in the December 2012 Hydraulic Analysis Report submitted to DEC. The objective of each evaluation and the specific approach undertaken are briefly described in the following paragraphs. Given that the Coney Island WWTP collection system does not discharge CSO to Coney Island Creek, the following descriptions refer to the Owls Head WWTP collection system exclusively.

Annual Hours at 2xDDWF for 2008 with Projected 2040 DWFs

Model simulations were conducted to estimate the annual number of hours that the Owls Head WWTP would be expected to treat 2xDDWF for the 2008 precipitation year. These simulations were conducted using projected 2040 DWF for two model input conditions – the recalibrated model conditions as described in the December 2012 IW Citywide Recalibration Report, and the Cost-Effective Grey alternative defined for the service area. The cost effective grey (CEG) elements represent the CSO controls that became part of the 2012 CSO Consent Order. For these simulations, the primary input conditions applied were as follows:

- Projected 2040 DWF conditions.
- 2008 tides and precipitation data.
- Owls Head WWTP at 2xDDWF capacity of 240 MGD.
- No sediment in the combined sewers (i.e., clean conditions).
- Sediment in interceptors representing the sediment conditions after the inspection and cleaning program undertaken in 2011 and 2012.
- No green infrastructure in combined areas.

The CEG conditions applicable to the service area included the Avenue V Pumping Station upgrade.

Key observations/findings are summarized below:

- Simulation of the 2008 annual rainfall year resulted in a prediction that the Owls Head WWTP would operate at its 2xDDWF capacity for 105 hours under the non-CEG condition. When the CEG conditions were applied in the model, the annual number of hours at 2xDDWF were slightly less – at 98 hours.
- The total volume (dry- and wet-weather combined) treated annually at the Owls Head plant for the 2008 non-CEG condition was predicted to be about 38,064 MG, while the 2008 with CEG condition resulted in a prediction that 38,074 MG would be treated at the plant – an increase of 10 MG.
- The total annual CSO volume predicted for the outfalls in the Owls Head service area were as follows:

- 2008 non-CEG: 2,198 MG
- 2008 with CEG: 2,196 MG

The above results indicate a slight decrease in the number of hours at the 2xDDWF operating capacity for Owls Head WWTP.

Estimation of Peak Conduit/Pipe Flow Rates

Model output tables containing information on several pipe characteristics were prepared, coupled with calculation of the theoretical, non-surcharged, full-pipe flow capacity of each sewer included in the models. To test the conveyance system response under what would be considered a large storm event condition, a single-event storm that was estimated to approximate a five-year return period (in terms of peak hourly intensity as well as total depth), was selected from the historical record.

The selected single event was simulated in the modeled WWFP conditions, and the second with the CEG conditions implemented. The maximum flow rates and maximum depths predicted by the models for each modeled sewer segment were retrieved and aligned with the other pipe characteristics. Columns in the tabulations were added to indicate whether the maximum flow predicted for each conduit exceeded the non-surcharged, full-pipe flow, along with a calculation of the maximum depth in the sewer as a percentage of the pipe full height. It was suspected that potentially, several of the sewer segments could be flowing full, even though the maximum flow may not have reached the theoretical maximum full-pipe flow rate for reasons such as: downstream tidal backwater, interceptor surcharge, or other capacity-limiting reasons. The resulting data were then scanned to identify the likelihood of such capacity-limiting conditions, and also to provide insight into potential areas of available capacity, even under large storm event conditions. Key observations/findings of this analysis are described below:

- Capacity exceedances for each sewer segment were evaluated in two ways for both interceptors and combined sewers:
  - Full flow exceedances, where the maximum predicted flow rate exceeded the full-pipe non-surcharged flow rate. This could be indicative of a conveyance limitation.
  - Full depth exceedances, where the maximum depth was greater than the height of the sewer segment. This could be indicative of either a conveyance limitation or a backwater condition.
- For the single storm event simulated, the model predicted that 55.8 percent (by length) of the interceptor sewer segments in the Owls Head service area would exceed full-pipe capacity flow, while about 42.8 to 44.3 percent (by length) of the upstream combined sewers would exceed their full-pipe flow.
- 100 percent (by length) of the interceptors in the Owls Head WWTP service area were predicted to flow at full depth or higher. Between 76.1 and 78.9 percent (by length) of the combined sewers were also predicted to flow at full depth, indicating that many of these sewers experienced backwater conditions from the downstream sewer (and interceptor) system as a result of either pipe or plant capacity limitations.
- The length of sewers that did not reach full depth under the CEG simulations (about 21 to 24 percent) in the Owls Head service area indicates that there is little potential for in-line storage capability in the Owls Head service area.

- The results for the system condition without CEG improvements were nearly the same as the system condition that included CEG improvements in the Owls Head service area.

2.1.c.4 Identification of Sewer System Bottlenecks, Areas Prone to Flooding and History of Sewer Back-ups

It is DEP's responsibility to maintain and operate the NYC owned collection system throughout the five boroughs. To do so, DEP employs a combination of reactive and proactive maintenance techniques. NYC's "Call 311" system routes complaints of sewer issues to DEP for response and resolution. Though not every call reporting flooding or sewer back-ups (SBUs) corresponds to an actual issue with the municipal sewer system, each call to 311 is responded to. Sewer functionality impediments identified during a DEP response effort are corrected as necessary. NYC has upgraded the Avenue V Pumping Station and has stormwater management projects planned that will improve the sewer and drainage conditions surrounding Coney Island Creek.

2.1.c.5 Findings from Interceptor Inspections

DEP has several programs with staff devoted to sewer maintenance, inspection and analysis, and regularly inspects and cleans its sewers, as reported in the SPDES BMP Annual reports. In the last decade, DEP has implemented advanced technologies and procedures to enhance its proactive sewer maintenance practices. GIS and Computerized Maintenance and Management Systems (CMMS) provide DEP with expanded data tracking and mapping capabilities, through which it can identify and respond to trends to better serve its customers. Both reactive and proactive system inspections result in maintenance, including cleaning and repair as necessary. Figure 2-8 illustrates the intercepting sewers that were inspected in the Borough of Brooklyn, encompassing the entire Coney Island Creek watershed. Throughout 2015, 5 cubic yards of sediment was removed from Owls Head WWTP intercepting sewers and 1,901 cubic yards of sediment was removed from Coney Island WWTP intercepting sewers. Citywide, the inspection of 66,262 feet of intercepting sewers resulted in the removal of 3,306 cubic yards of sediment.

DEP recently conducted a sediment accumulation analysis to quantify levels of sediments in the CSSs. For this analysis, a statistical approach was used to randomly select a sample subset of collection sewers representative of the modeled systems as a whole, with a confidence level commensurate to that of the IW watershed models. Field crews investigated each location, and estimated sediment depth using a rod and tape. Field crews also verified sewer pipe sizes shown on maps, and noted physical conditions of the sewers. The data were then used to estimate the sediment levels as a percentage of overall sewer cross-sectional area. The aggregate mean sediment level for the entire NYC was approximately 1.25 percent, with a standard deviation of 2.02 percent.

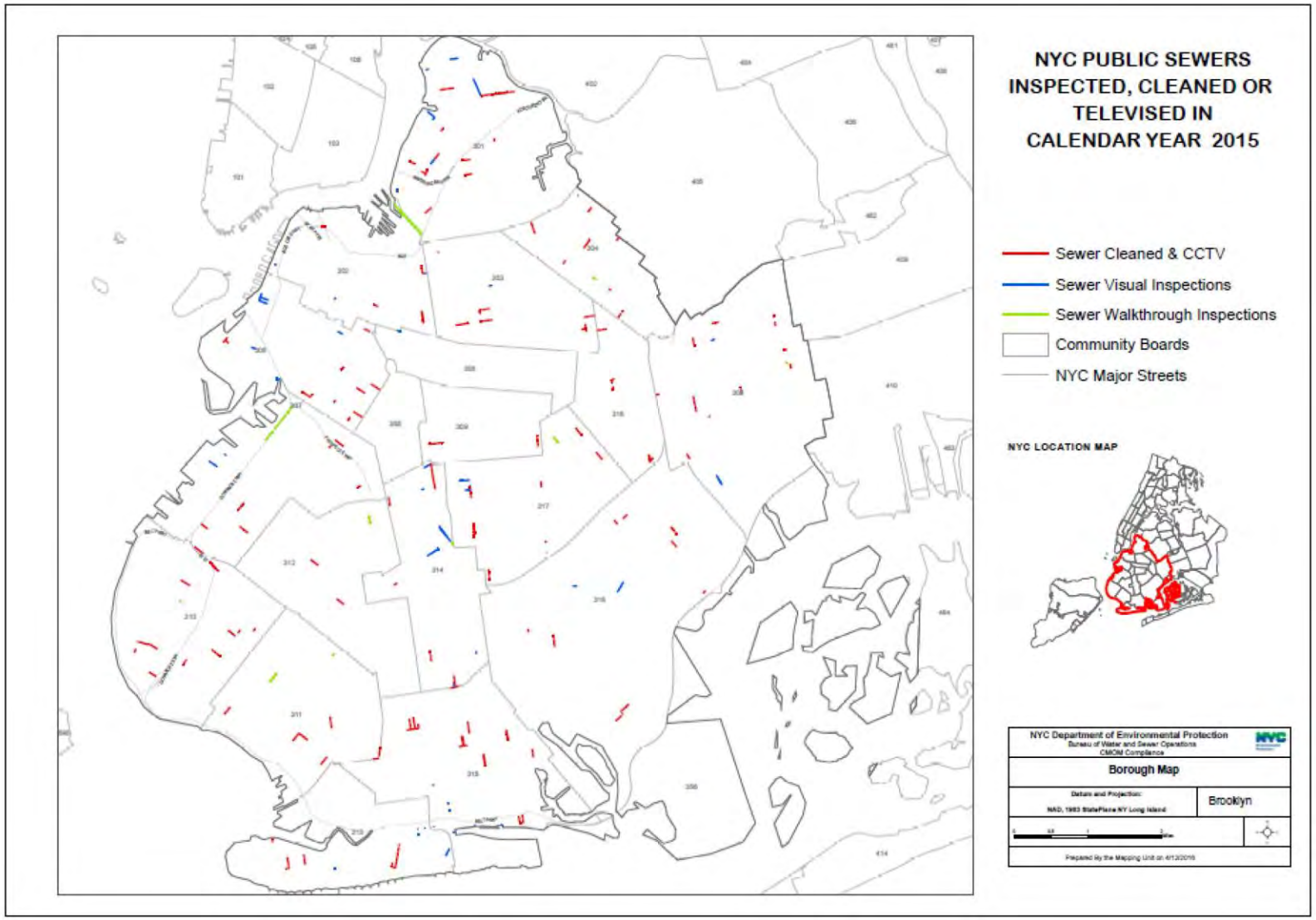

Figure 2-8. Sewers Inspected and Cleaned in Brooklyn Throughout 2014

2.1.c.6 Status of Receiving Wastewater Treatment Plants (WWTPs)

As previously noted, the Coney Island Creek watershed is served by the Owls Head WWTP and Coney Island WWTP service areas.

The Owls Head WWTP was constructed in 1952. The treatment system was upgraded in 1995 and provides secondary treatment for a design dry flow of 120 MGD. Current treatment includes preliminary treatment, primary settling, secondary treatment (activated sludge, step-feed aeration), and disinfection (sodium hypochlorite). Sludge is treated by gravity thickening and anaerobic digestion prior to off-site transportation to a landfill for disposal. It serves an area of 13,664 acres and a population of 780,000 throughout the Borough of Brooklyn. The Coney Island WWTP started operating in 1952. Its collection system within the Coney Island Creek watershed is comprised of separate sanitary sewers exclusively. The collection system does not contribute CSO flows to Coney Island Creek.

In the 1890s, Coney Island WWTP was placed into service as one of NYC's first treatment plants to help protect the City's beaches. In the 1930s, the treatment plant was upgraded from chlorine disinfection to primary treatment and, in the 1980s, the plant was upgraded again to a secondary treatment plant to comply with the CWA. The current plant capacity is 110 MGD in dry-weather and 220 MGD in wet-weather.

2.2 Waterbody Characteristics

This section of the report describes the features and attributes of Coney Island Creek. Characterizing the features of this waterbody is important for assessing the impact of wet-weather inputs and creating approaches and solutions that mitigate the impact from wet-weather discharges.

2.2.a Description of Waterbody

Coney Island Creek is a saline waterbody located in the Borough of Brooklyn, New York. Coney Island Creek is tributary to Gravesend Bay, and the Bay is tributary to the Lower New York Bay. Water quality in Coney Island Creek is influenced by stormwater discharges and dry-weather sources, as well as by CSO. The following section describes the present-day physical and water quality characteristics of Coney Island Creek, along with its existing uses.

2.2.a.1 Current Waterbody Classification(s) and Water Quality Standards

New York State Policies and Regulations

In accordance with the provisions of the CWA, the State of New York has established WQS for all navigable waters within its jurisdiction. The State has developed a system of waterbody classifications based on designated uses that include five classifications for saline waters. All classes (SA, SB, SC, I and SD) shall be suitable for primary contact recreation, although other factors may preclude such use for Class I and SD designated waterbodies. DEC has classified Coney Island Creek as a Class I waterbody.

Numerical standards corresponding to these waterbody classifications are shown in Table 2-7. Dissolved oxygen (DO) is the numerical criteria that DEC uses to establish whether a waterbody supports aquatic life uses. Total and fecal coliform bacteria concentrations are the numerical criteria that DEC uses to establish whether a waterbody supports recreational uses. In addition to numerical criteria, NYS has narrative criteria to protect aesthetics in all waters within its jurisdiction, regardless of classification (see Section 1.2.c.). As indicated in Table 2-8, these narrative criteria apply to all five classes of saline waters.

Although not separately promulgated by DEC rulemaking, the enterococci criterion of 35 cfu/100mL listed in Table 2-7 is now an enforceable standard in NYS, inasmuch as EPA established January 1, 2005 as the date upon which that criterion must be adopted for all coastal recreational waters. According to DEC's interpretation of the Beaches Environmental Assessment and Coastal Health Act, the criterion applies on a 30-day moving GM basis during the recreational season (May 1st through October 31st). Coney Island Creek waters are not considered coastal recreational waters; therefore, this criterion does not apply under current water quality classifications.

Interstate Environmental Commission

The States of New York, New Jersey, and Connecticut are signatory to the Tri-State Compact that designated the Interstate Environmental District and created the IEC. The IEC includes all saline waters of greater NYC. Coney Island Creek is a tributary of Lower New York Bay which comprises interstate waters and is regulated by IEC as Class B-1 waters. Numerical standards for IEC-regulated waterbodies are shown in Table 2-9, while narrative standards are shown in Table 2-10.

The IEC also restricts CSO discharges to within 24 hours of a precipitation event, consistent with the DEC definition of a prohibited dry-weather discharge. IEC effluent quality regulations do not apply to CSOs if the CSS is being operated with reasonable care, maintenance, and efficiency. Although IEC regulations are intended to be consistent with State WQS, the three-tiered IEC system and the five NYS saline classifications in New York Harbor do not exactly overlap spatially.

Table 2-7. New York State Numerical Surface WQS (Saline)

Class	Usage	Dissolved Oxygen (mg/L)	Total Coliform (cfu/100mL)	Fecal Coliform (cfu/100mL)	Enterococci (cfu/100mL)(7)
SA	Shellfishing for market purposes, primary and secondary contact recreation, fishing. Suitable for fish, shellfish and wildlife propagation and survival.	≥ 4.8(1) ≥ 3.0(2)	≤ 70(3)	N/A	
SB	Primary and secondary contact recreation and fishing. Suitable for fish, shellfish and wildlife propagation and survival.	≥4.8(1) ≥ 3.0(2)	≤ 2,400(4) ≤ 5,000(5)	≤ 200(6)	≤ 35(8)
SC	Limited primary and secondary contact recreation, fishing. Suitable for fish, shellfish and wildlife propagation and survival.	≥ 4.8(1) ≥ 3.0(2)	≤ 2,400(4) ≤ 5,000(5)	≤ 200(6)	N/A
I(9)	Secondary contact recreation and fishing. Suitable for fish, shellfish and wildlife propagation and survival.	≥ 4.0	≤ 2,400(4) ≤ 5,000(5)	≤ 200(6)	N/A
SD(9)	Fishing. Suitable for fish, shellfish and wildlife survival. Waters with natural or man-made conditions limiting attainment of higher standards.	≥ 3.0	≤ 2,400(4) ≤ 5,000(5)	≤ 200(6)	N/A

Notes:

(1) Chronic standard based on daily average. The DO concentration may fall below 4.8 mg/L for a limited number of days, as defined by the formula:

$$DO_i = \frac{13.0}{2.80 + 1.84e^{-0.1t_i}}$$

where DO_i = DO concentration in mg/L between 3.0 – 4.8 mg/L and t_i = time in days. This equation is applied by dividing the DO range of 3.0 – 4.8 mg/L into a number of equal intervals. DO_i is the lower bound of each interval (i) and t_i is the allowable number of days that the DO concentration can be within that interval. The actual number of days that the measured DO concentration falls within each interval (i) is divided by the allowable number of days that the DO can fall within interval (t_i). The sum of the quotients of all intervals (i …n) cannot exceed 1.0: i.e.,

$$\sum_{i=1}^{n} \frac{t_i(actual)}{t_i(allowed)} < 1.$$

(2) Acute standard (never less than 3.0 mg/L).
(3) Colony forming unit per 100mL value in any series of representative samples.
(4) Monthly median value of five or more samples.
(5) Monthly 80th percentile of five or more samples.
(6) Monthly geometric mean of five or more samples.
(7) This standard, although not promulgated by DEC, is now an enforceable standard in NYS, inasmuch as EPA established January 1, 2005 as the date upon which the criteria must be adopted for all coastal recreational waters.
(8) 30-day moving geometric mean.

Table 2-8. New York State Narrative WQS

Parameters	Classes	Standard
Taste-, color-, and odor-producing toxic and other deleterious substances	SA, SB, SC, I, SD A, B, C, D	None in amounts that will adversely affect the taste, color or odor thereof, or impair the waters for their best usages.
Turbidity	SA, SB, SC, I, SD A, B, C, D	No increase that will cause a substantial visible contrast to natural conditions.
Suspended, colloidal and settleable solids	SA, SB, SC, I, SD A, B, C, D	None from sewage, industrial wastes or other wastes that will cause deposition or impair the waters for their best usages.
Oil and floating substances	SA, SB, SC, I, SD A, B, C, D	No residue attributable to sewage, industrial wastes or other wastes, nor visible oil film nor globules of grease.
Garbage, cinders, ashes, oils, sludge and other refuse	SA, SB, SC, I, SD A, B, C, D	None in any amounts.
Phosphorus and nitrogen	SA, SB, SC, I, SD A, B, C, D	None in any amounts that will result in growth of algae, weeds and slimes that will impair the waters for their best usages.

Table 2-9. IEC Numeric WQS

Class	Usage	DO (mg/L)	Waterbodies
A	All forms of primary and secondary contact recreation, fish propagation, and shellfish harvesting in designated areas	≥ 5.0	East River east of the Whitestone Bridge; Hudson River north of confluence with the Harlem River; Raritan River east of the Victory Bridge into Raritan Bay; Sandy Hook Bay; Lower New York Bay; Atlantic Ocean
B-1	Fishing and secondary contact recreation, growth and maintenance of fish and other forms of marine life naturally occurring therein, but may not be suitable for fish propagation.	≥ 4.0	Hudson River, south of confluence with Harlem River; upper New York Harbor; East River from the Battery to the Whitestone Bridge; Harlem River; Arthur Kill between Raritan Bay and Outerbridge Crossing
B-2	Passage of anadromous fish, maintenance of fish life	≥ 3.0	Arthur Kill north of Outerbridge Crossing; Newark Bay; Kill Van Kull

Table 2-10. IEC Narrative Regulations

Classes	Regulation
A, B-1, B-2	All waters of the Interstate Environmental District (whether of Class A, Class B, or any subclass thereof) shall be of such quality and condition that they will be free from floating solids, settleable solids, oil, grease, sludge deposits, color or turbidity to the extent that none of the foregoing shall be noticeable in the water or deposited along the shore or on aquatic substrata in quantities detrimental to the natural biota; nor shall any of the foregoing be present in quantities that would render the waters in question unsuitable for use in accordance with their respective classifications.
A, B-1, B-2	No toxic or deleterious substances shall be present, either alone or in combination with other substances, in such concentrations as to be detrimental to fish or inhibit their natural migration or that will be offensive to humans or which would produce offensive tastes or odors or be unhealthful in biota used for human consumption.
A, B-1, B-2	No sewage or other polluting matters shall be discharged or permitted to flow into, or be placed in, or permitted to fall or move into the waters of the District, except in conformity with these regulations.

EPA Policies and Regulations

For designated bathing beach areas, the EPA has established an enterococci reference level of 104 cfu/100mL to be used by agencies for announcing bathing advisories or beach closings in response to pollution events. The DOHMH uses a 30-day moving GM of 35 cfu/100mL to trigger such closures. If the GM exceeds that value, the beach is closed pending additional analysis. An enterococci concentration of 104 cfu/100mL is an advisory upper limit used by DOHMH. If beach enterococci data are greater than 104 cfu/100mL, a pollution advisory is posted on the DOHMH website and additional sampling is initiated. The advisory is removed when water quality is acceptable for primary contact recreation. Advisories are posted at the beach and on the agency website.

For non-designated beach areas of primary contact recreation which are used only infrequently for primary contact, the EPA has established an enterococci reference level of 501 cfu/100mL as indicative of a pollution event.

According to EPA documents, these reference levels are not binding regulatory criteria; rather, they are to be used by the State agencies to make decisions related to recreational uses and pollution control needs. For bathing beaches, these reference levels are to be used for announcing beach advisories or beach closings in response to pollution events. No areas of the Coney Island Creek shoreline are authorized by the DOHMH for bathing.

In December 2012, the EPA released RWQC recommendations that are designed to protect human health in coastal and non-coastal waters designated for primary recreational use. These recommendations were based on a comprehensive review of research and science that evaluated the link between illness and fecal contamination in recreational waters. The recommendations are intended as guidance to States, territories, and authorized tribes in developing or updating WQS to protect swimmers from exposure to pathogens found in water with fecal contamination.

The 2012 RWQC recommends two sets of numeric concentration thresholds, as listed in Table 2-11, and includes limits for both the GM (30-day) and a STV based on exceeding a 90th percentile value associated with the geometric mean. The STV is a new limit, and is intended not to be exceeded by more than 10 percent of the samples taken.

Table 2-11. 2012 RWQC Recommendations

Criteria Elements	Recommendation 1 (Estimated Illness Rate 36/1,000)		Recommendation 2 (Estimated Illness Rate 32/1,000)	
Indicator	**GM (cfu/100mL)**	**STV (cfu/100mL)**	**GM (cfu/100mL)**	**STV (cfu/100mL)**
Enterococci (saline and fresh)	35	130	30	110
E. coli (fresh)	126	410	100	320

Based upon its understanding that DEC will implement EPA's RWQC Recommendation 2, DEP has based its LTCP analyses for Coney Island Creek on the enterococci numerical criteria associated with that Recommendation.

2.2.a.2 Physical Waterbody Characteristics

Coney Island Creek is a saline tributary that runs westward and opens into Gravesend Bay, which opens to the Lower New York Bay.

The shoreline is bulkheaded or rip-rap protected throughout most of its extension, and the land use immediately surrounding the waterbody is primarily industrial.

Coney Island Creek is within the Coastal Zone Boundary as designated by the DCP.

Shoreline Physical Characterization

The shorelines of Coney Island Creek are bulkheaded or rip-rap protected throughout most of the waterbody as shown in Figures 2-9 and 2-10.

Shoreline Slope

The Coney Island Creek shoreline is bulkheaded or rip-rap protected throughout most of its extension. There are no significant natural slopes along the shoreline.



Figure 2-9. Shoreline View of Coney Island Creek (Looking East near the Mouth)



Figure 2-10. Shoreline View of Coney Island Creek (Looking West from Cropsey Ave Bridge)

Waterbody Sediment Surficial Geology/Substrata

The most recent data for sediment grain size and Total Organic Carbon (TOC) content was measured in Coney Island Creek sediments as part of the Subtidal Benthos and Icthyoplankton Characterization Field Sampling and Analysis Plan (FSAP, 2003). The sediments in the middle reach of Coney Island Creek had a percent TOC of 1.66 percent and the sediments near the mouth of the Creek had a percent TOC of 5.3 percent. One other location at the head end of the Creek revealed sediment TOC content of 5.8 percent. Thus, the sediment in the middle of the Creek had the lowest TOC content of all locations sampled. Further description of the data gathered under the 2003 FSAP are included in the Coney Island Creek WWFP (2009). Further description of the data and other information on taxa and sediment characteristics gathered under the implemented FSAP are included in the Coney Island Creek WWFP.

In response to a DEC Record of Decision (ROD) released in March 2002 on a former Manufactured Gas Plant site at the head end on the northern shore of Coney Island Creek, 3 feet of sediment were removed from the top layer of the creek bed and subsequently capped with sediment-quality material along the upper reach. This 2006 remediation work covered the creek bed from the head end to the rail bridge located approximately 2,000 feet downstream.

In 2014, New York City Economic Development Corporation (EDC) conducted a bathymetric survey of the Creek extending from the vicinity of Stillwell Avenue Bridge to the mouth of the Creek to support the Tidal Barrier Study at Coney Island Creek. The bathymetric data gathered supports the hydrodynamics model used in the LTCP evaluations described in other sections of this report.

Waterbody Type

Coney Island Creek is a saline tributary. It receives freshwater contributions from stormwater and CSOs.

Freshwater Systems Biological Systems

No NYS regulated freshwater wetlands (i.e., freshwater wetlands greater than 12.4 contiguous acres) are located in the watershed of Coney Island Creek.

Tidal/Estuarine Wetlands

Tidal/estuarine wetlands reported by the U.S. Fish and Wildlife Service National Wetlands Inventory maps are located along the southern shore of Coney Island Creek near the mouth of the Creek, as shown in Figure 2-11. The four identified classes of estuarine wetlands shown in Figure 2-11 are described in Table 2-12.

Table 2-12. National Wetlands Inventory Classification Codes

National Wetlands Inventory Classification	Description
E2US2M	Estuarine, inter-tidal, unconsolidated sand shore, irregularly exposed
E2US2N	Estuarine, inter-tidal, unconsolidated sand shore, regularly flooded
E2US2P	Estuarine, inter-tidal, unconsolidated sand shore, irregularly flooded
E2USM	Estuarine, inter-tidal, unconsolidated shore, irregularly exposed

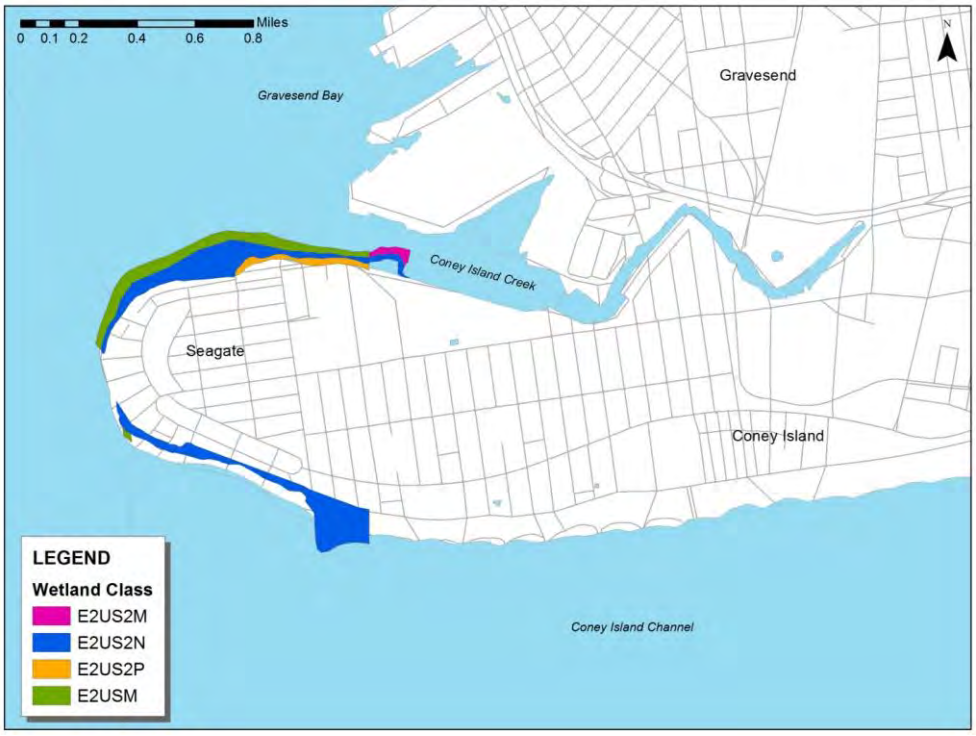

Figure 2-11. Wetlands in Coney Island Creek Watershed

2.2.a.3 Current Public Access and Uses

Primary contact recreation use (swimming) is not an existing sanctioned use in Coney Island Creek. Secondary contact recreation opportunities are also limited, due primarily to access restrictions imposed by the physical characteristics of the shoreline and surrounding land uses. However, five identified access points are located along Coney Island Creek as shown in Figures 2-12 through 2-17.



Figure 2-12. Access Points to Coney Island Creek

The Calvert Vaux Park (Figure 2-13), largely bounded by Gravesend Bay, was created primarily out of sand, soil and rock excavated for the construction of the Verrazano-Narrows Bridge. It offers opportunities for wildlife observation supported by other recreational grounds such as a playground, a main entry rain garden, two synthetic turf fields, basketball courts, bocce courts, six baseball diamonds, a soccer field and a newly restored waterfront.



Figure 2-13. Calvert Vaux Park

The Six Diamonds Park (Figure 2-14) is located along W. 22nd Street from Bay 52nd Street to Bay 56th Street. The park includes six baseball diamonds and two soccer fields.



Figure 2-14. Six Diamonds Park at the Coney Island Boat Basin

The Home Depot Walkway (Figure 2-15) is located at 2970 Cropsey Avenue in Brooklyn. The walkway includes trees, seating, supplemental public access area and an observation corridor on Lower New York Bay.



Figure 2-15. The Home Depot Walkway

Kaiser Park (Figure 2-16) is located along Coney Island Creek from W. 24th Street to W. 32nd Street. The pier in the park is often used for fishing by the locals. The Verrazano-Narrows Bridge is visible from the shore of the park. The park includes soccer, football and baseball fields and a jogging track.



Figure 2-16. Kaiser Park

Coney Island Creek Park (Figure 2-17) is located between Sea Gate Avenue and W. 33rd Street at the mouth of Coney Island Creek. The area is mostly comprised of many types of grass, shrubs, and trees. A small garden is located in the area. A large sand dune was placed on the property in 2001.



Figure 2-17. Coney Island Creek Park

2.2.a.4 Identification of Sensitive Areas

Federal CSO Policy requires that the LTCP give the highest priority to controlling overflows to sensitive areas. The policy defines sensitive areas as:

- Waters designated as Outstanding National Resource Waters (ONRW);
- National Marine Sanctuaries;
- Public drinking water intakes;
- Waters designated as protected areas for public water supply intakes;
- Shellfish beds;
- Water with primary contact recreation;
- Waters with threatened or endangered species and their habitat; and
- Additional areas determined by the Permitting Authority (i.e., DEC).

General Assessment of Sensitive Areas

Coney Island Creek was analyzed under the federal CSO Policy as set forth in Table 2-13.

Table 2-13. Sensitive Areas Assessment

CSO Discharge Receiving Water Segments	Current Uses Classification of Waters Receiving CSO Discharges Compared to Sensitive Areas Classifications or Designations[1]							
	Outstanding National Resource Water (ONRW)	National Marine Sanctuaries[2]	Threatened or Endangered Species and their Habitat [3]	Primary Contact Recreation	Public Water Supply Intake	Public Water Supply Protected Area	Shellfish Bed	Additional Area Determined by Permitting Authority
Coney Island Creek	None	None	No	No[4]	None[5]	None[5]	None	No

Notes:
(1) Classifications or Designations per CSO Policy.
(2) NOAA.
(3) Department of State - Significant Coastal Fish and Wildlife Habitats.
(4) Existing uses include fish and wildlife survival, Class I.
(5) This waterbody contains salt water.

2.2.a.5 Tidal Flow and Background Harbor Conditions and Water Quality

DEP has been collecting New York Harbor water quality data since 1909. These data are utilized by regulators, scientists, educators, and citizens to assess impacts, trends, and improvements in the water quality of New York Harbor. The HSM Program has been the responsibility of DEP's Marine Sciences Section for the past 27 years. These initial surveys were performed in response to public complaints about quality-of-life near polluted waterways. The initial effort has grown into a survey that consists of 72 stations distributed throughout both the open waters of the Harbor and the smaller tributaries within NYC. The number of water quality parameters measured has also increased from 5 in 1909, to over 20 at present.

Harbor water quality has improved dramatically since the initial surveys. Infrastructure improvements and the capture and treatment of virtually all dry-weather sewage are the primary reasons for this improvement. During the last decade, water quality in New York Harbor has improved to the point that the waters are now utilized for recreation and commerce throughout the year. The LTCP process has begun

to focus on areas could be improved still further. The LTCP program evaluates 11 waterbodies and their drainage basins and develops a comprehensive improvement plan for each.

The HSM Program focuses on the water quality parameters of fecal coliform and enterococci bacteria, DO and Secchi disk transparency. HSM data are presented in four sections, each delineating a geographic region within the Harbor. The Coney Island Creek is located within the Lower New York Bay (HR-Lower New York Bay) section. This area contains six open-water monitoring stations and two tributary sites. Figure 2-18 shows the location of two HSM tributary Stations, CIC2 and CIC3.

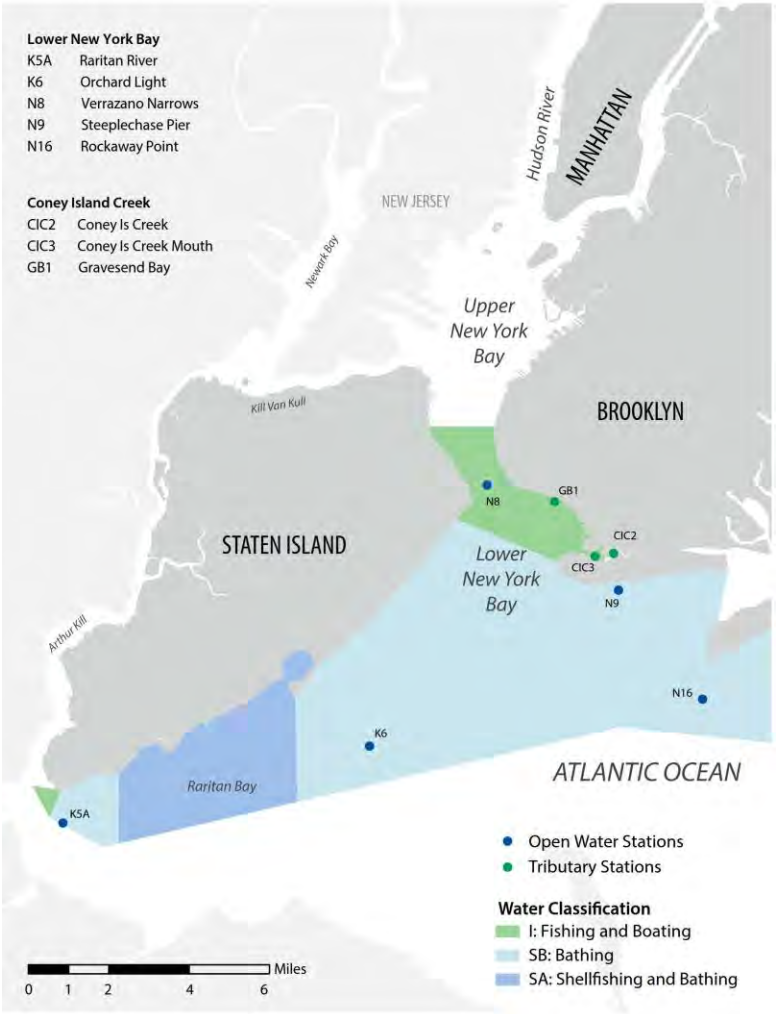

Figure 2-18. Harbor Survey HR-Lower New York Bay Region

2.2.a.6 Compilation and Analysis of Existing Water Quality Data

Data collected within the Coney Island Creek are available from sampling conducted by DEP's HSM Program from 2010 to 2015, and from intensive sampling conducted in March and August 2014 to

support the Coney Island Creek LTCP. The sampling locations of both programs are shown in Figure 2-19 followed by an overview of the available recent data for Coney Island Creek.

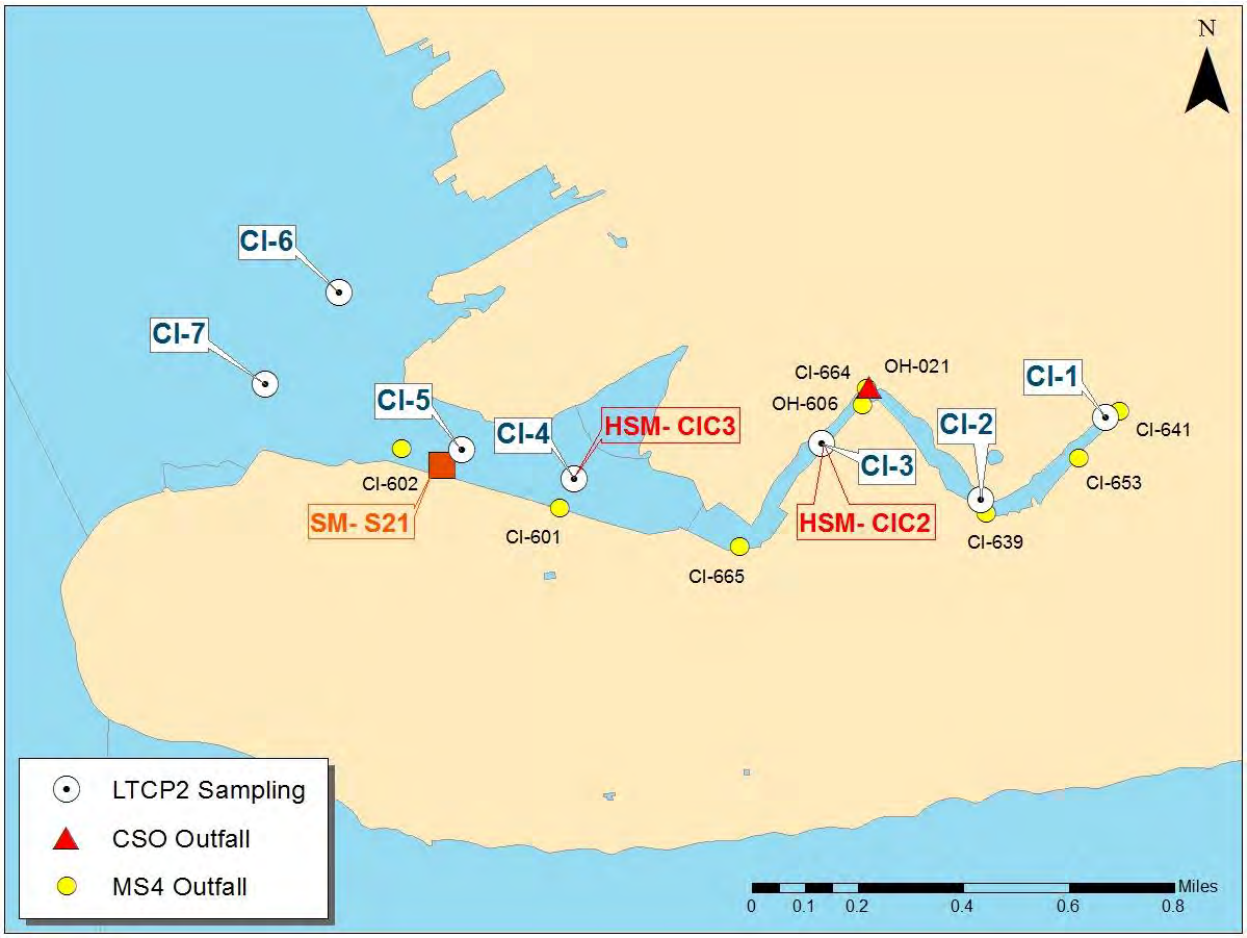

Figure 2-19. Coney Island Creek HSM Program and Dry-Weather LTCP Campaign Sampling Stations

The data indicate that for the post-Avenue V Pumping Station upgrade period, from October 2014 to September 2015, the Harbor Survey fecal coliform measurements show some improvement in water quality along Coney Island Creek, as measured at WQ Stations HSM-CIC2 and HSM-CIC3, depicted in Figure 2-20. However, an improvement of enterococci or DO levels was not observed for the concurrent period, as shown in Figures 2-21 and 2-22. The statistics shown in these figures were derived primarily from the HSM dataset. These statistics also include 26 dry-weather data points measured at Stations CI-3 (HSM CIC2) and CI-4 (HSM CIC3) during two dry-weather receiving water sampling campaigns conducted by the LTCP program in March 2014 and August 2014, prior to the Avenue V Pumping Station upgrade becoming fully operational in October 2014.

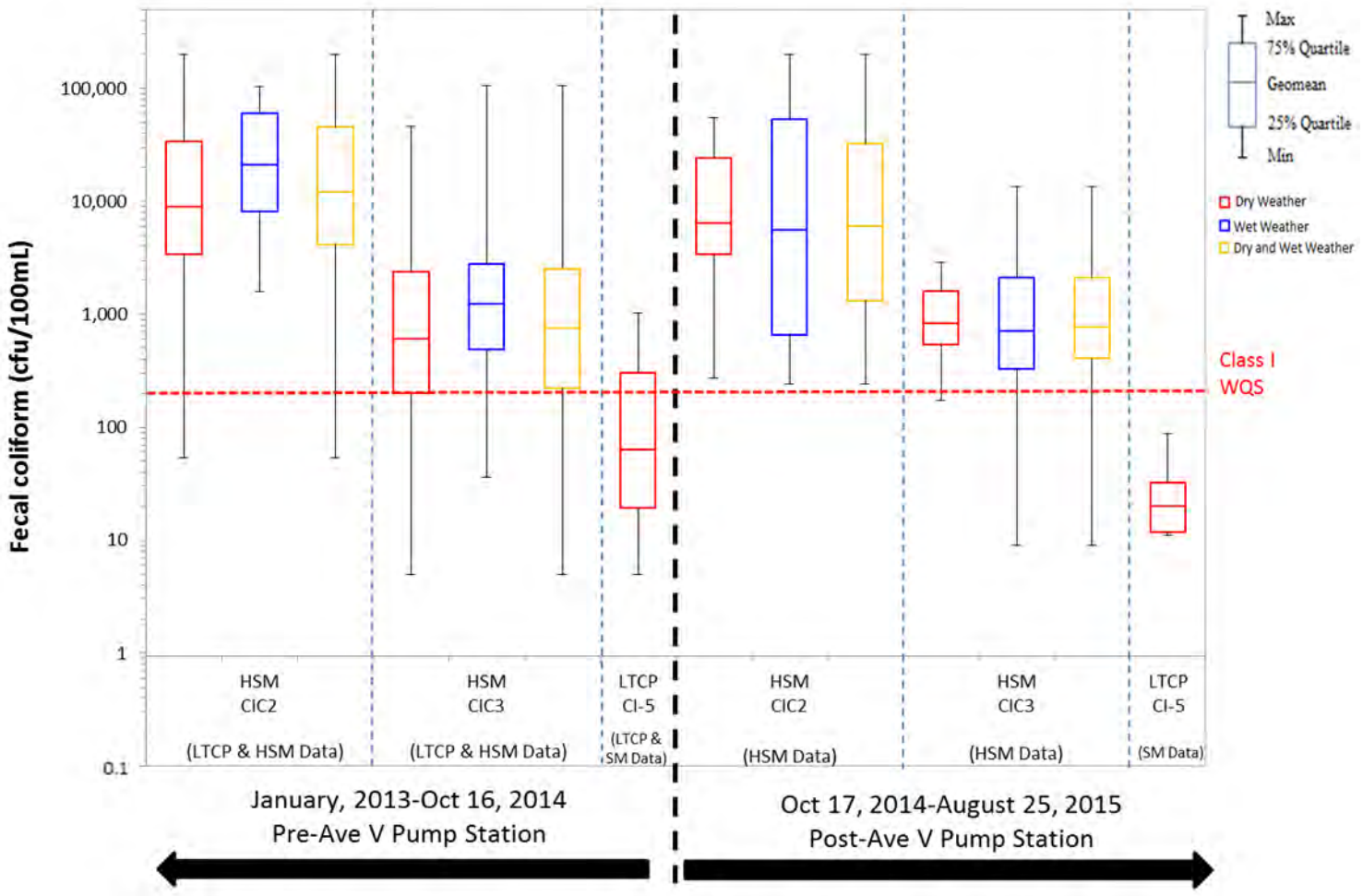

Figure 2-20. Fecal Coliform Statistics Derived From Recent Coney Island Creek Water Quality Data

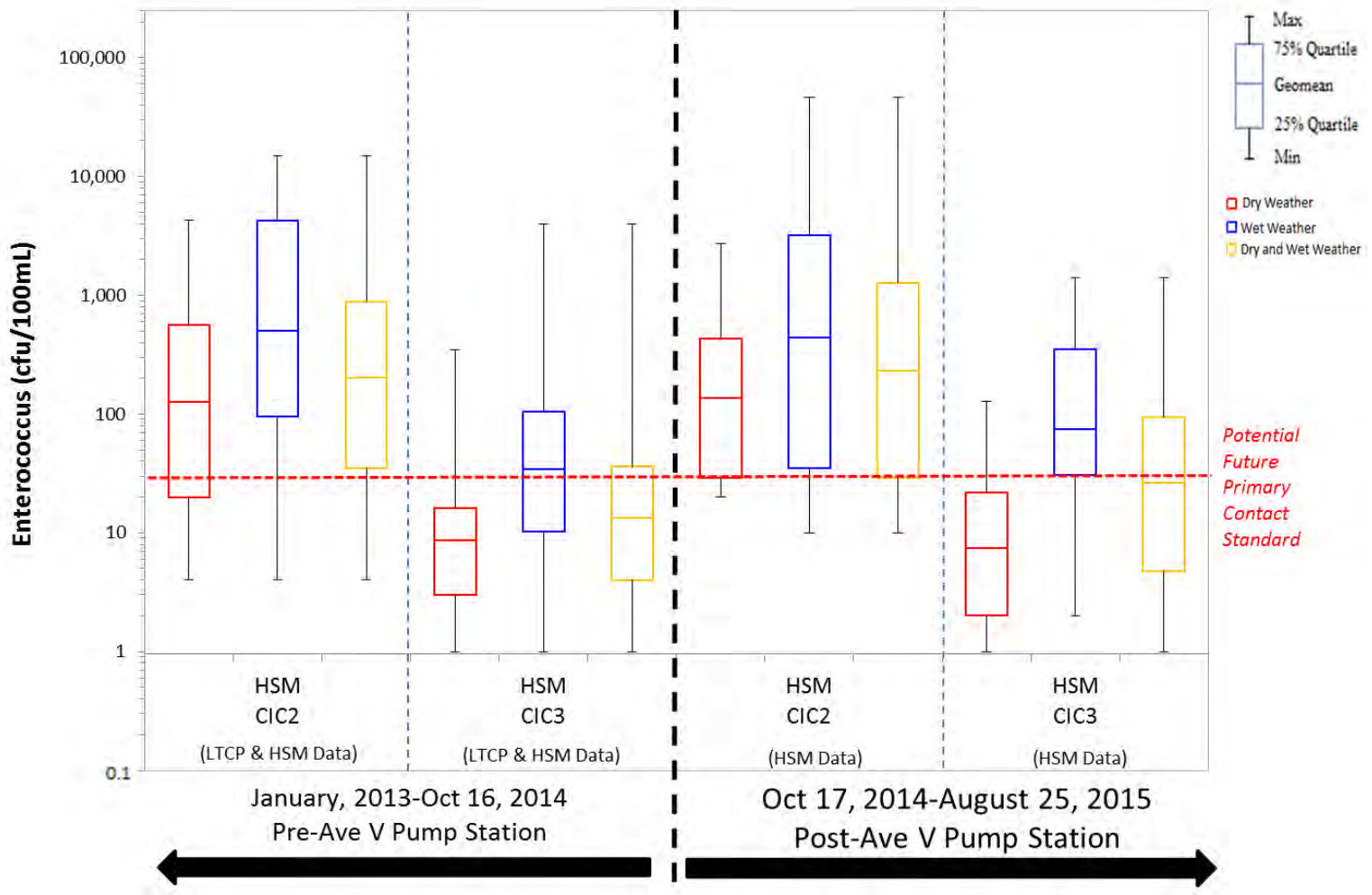

Figure 2-21. Enterococci Statistics Derived From Recent Coney Island Creek Water Quality Data

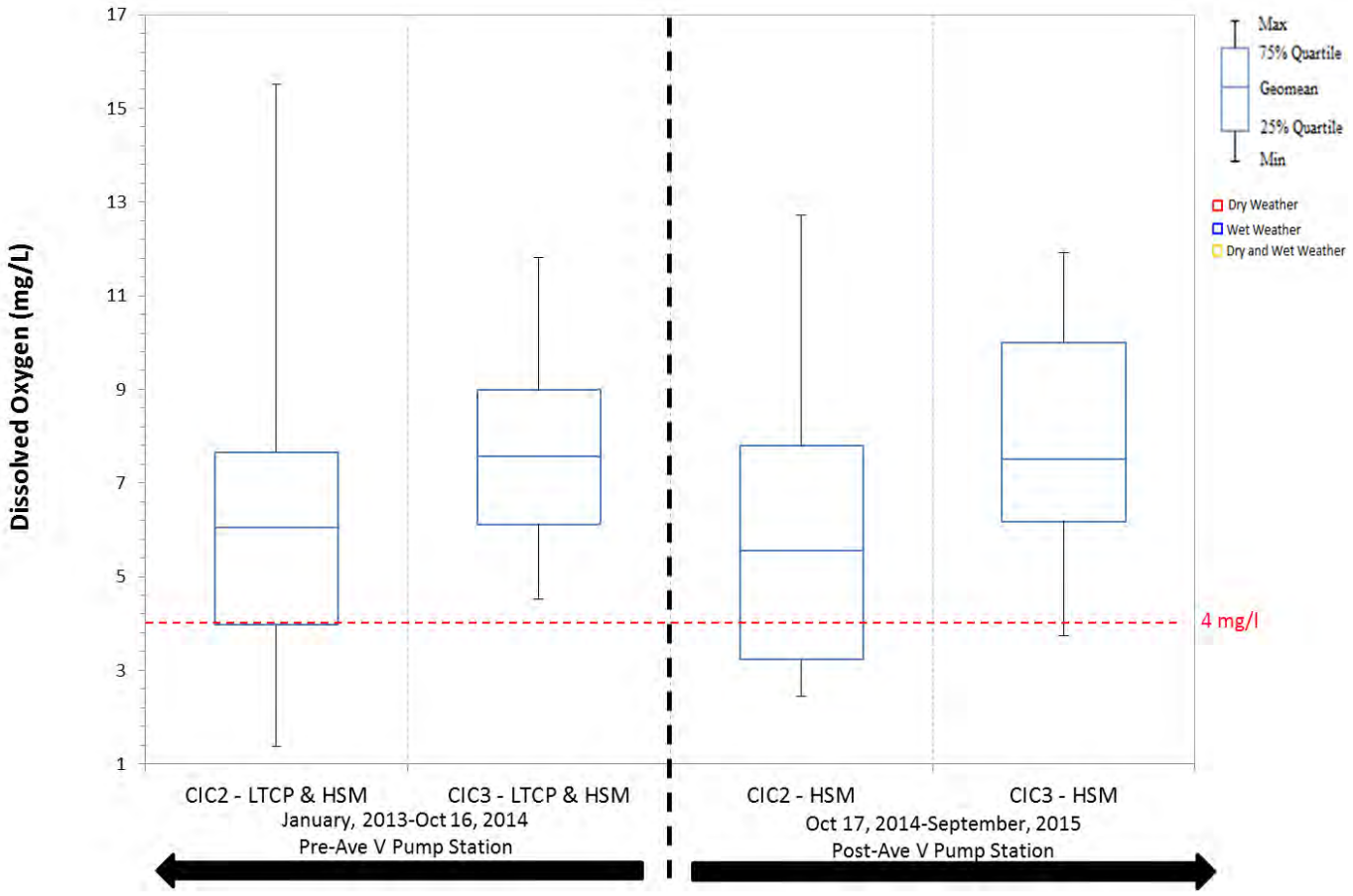

Figure 2-22. DO Statistics Derived From Recent Coney Island Creek Water Quality Data

Fecal coliform and enterococci are indicators of human waste and pathogenic bacteria. According to data collected between January 2013 and September 2015, fecal coliform annual geometric means representative of all-weather conditions are above the existing Class I primary contact bacteria criteria at Stations CIC2 and CIC3, with values of 13,009 cfu/100mL and 1,000 cfu/100mL, respectively. The computed enterococci GMs are 221 and 17 cfu/100mL for Stations CIC2 and CIC3, respectively.

DO is the oxygen in a waterbody available for aquatic life forms. Hypoxia is a water quality condition associated with low DO, and occurs when DO levels fall below 3.0 mg/L. DO measurements below 3.0 mg/L were recorded at Stations CIC2 and CIC3 in Coney Island Creek during the summer period, consistent with observations from prior summers.

Secchi disk transparency is a measure of the clarity of surface waters. Clarity is measured as a depth when the Secchi disk blends in with the water and is no longer visible. Clarity is most affected by the concentrations of suspended solids and plankton. Lack of clarity limits sunlight, which inhibits the nutrient cycle. The average summer Secchi depth at Station CIC3 was 3.66 feet. No measurements were reported for the concurrent period for Station CIC2.

Again, recent water quality data collected within Coney Island Creek are available from sampling conducted by DEP's HSM Program and from intensive sampling conducted in in March and August 2014 in support of the Coney Island Creek LTCP. The latter dry-weather sampling events captured water quality representative of dry-weather conditions at the stations depicted in Figure 2-19. The results gathered by these LTCP program dry-weather campaigns are shown in Figures 2-24 and 2-25. The data indicate fecal coliform concentrations were typically measured between 10,000 and 20,000 cfu/100mL at Station CIC2. The data indicate the presence of potential dry-weather discharges towards the head end of the waterbody. DEP has been proactive in identifying and abating illicit connections in the Coney Island Creek watershed. Of 53 establishments inspected, 10 were discovered to be illicitly connected to a storm sewer tributary to OH-021. As a result of DEP's enforcement actions and issuance of Commissioner's Orders for their removal, eight of the 10 were fully abated and two are working with contractors to complete their abatements. Of six homes found illicitly connected to a storm sewer tributary to CI-664, four have reconnected to a sanitary sewer, one home has been demolished, and one does not have a sewer fronting the property. DEP's trackdown efforts have not yielded a number of improperly connected residences as might correspond to the elevated fecal coliform data observed by the HSM Program. As such, investigations will continue, but are necessarily impacted by extensive, simultaneous sewer improvement work.

No wet-weather water quality data was collected by the LTCP program. However, water quality data representative of dry and wet-weather conditions were collected by the HSM Program and have been described earlier in this section and in Section 2.2.a.5, above. These data are used to validate the Coney Island Creek water quality models supporting the development of this LTCP.

Because the elevated fecal coliform levels in the interior portions of Coney Island Creek do not correlate with the relatively low numbers of improper connections that DEP has identified to date, DEP has undertaken an additional, parallel trackdown effort to better understand the measurements through supplemental data analyses and microbiological laboratory investigations. The first step in this process was an assessment of the fecal coliform measurements and development of a better understanding of what is being measured in the Coney Island Creek fecal coliform tests. It is undisputed that the fecal coliform test is not the best indicator of enteric bacteria, and EPA has recommended enterococci bacteria

measurements as a better indicator of enteric bacteria. EPA continues to research better micro bacteria indicator measurements.

The ratio of fecal coliform to enterococci at locations in and adjacent to Coney Island Creek varied significantly spatially, higher during warm weather and higher during dry-weather. As shown in Figure 2-23, the ratio of fecal coliform to enterococci is almost 100 within Coney Island Creek, while it is less than 10 at locations in New York Harbor in the vicinity of the Creek (HSM Stations N6, N7, N8, and N9).

These observations point to behavior of the fecal data measurements that are inconsistent with the enterococci measurements. One possible conclusion drawn from this observation is that the Coney Island Creek fecal coliform test is not providing a good indicator of *Escherichia coli*, the more specific indicator of human pollution. The fecal coliform test can measure Klebsiella, Enterobacter and Citrobacter bacteria species in addition to *Escherichia coli*. These bacteria can grow under appropriate conditions and may not in fact be indicators of intestinal or enteric pollution. These bacteria can live in the animal and human gut, but can also live in the environment, and are easily isolated from the soil, polluted water and plants. As such, their presence in polluted waters may not necessarily indicate fecal pollution.

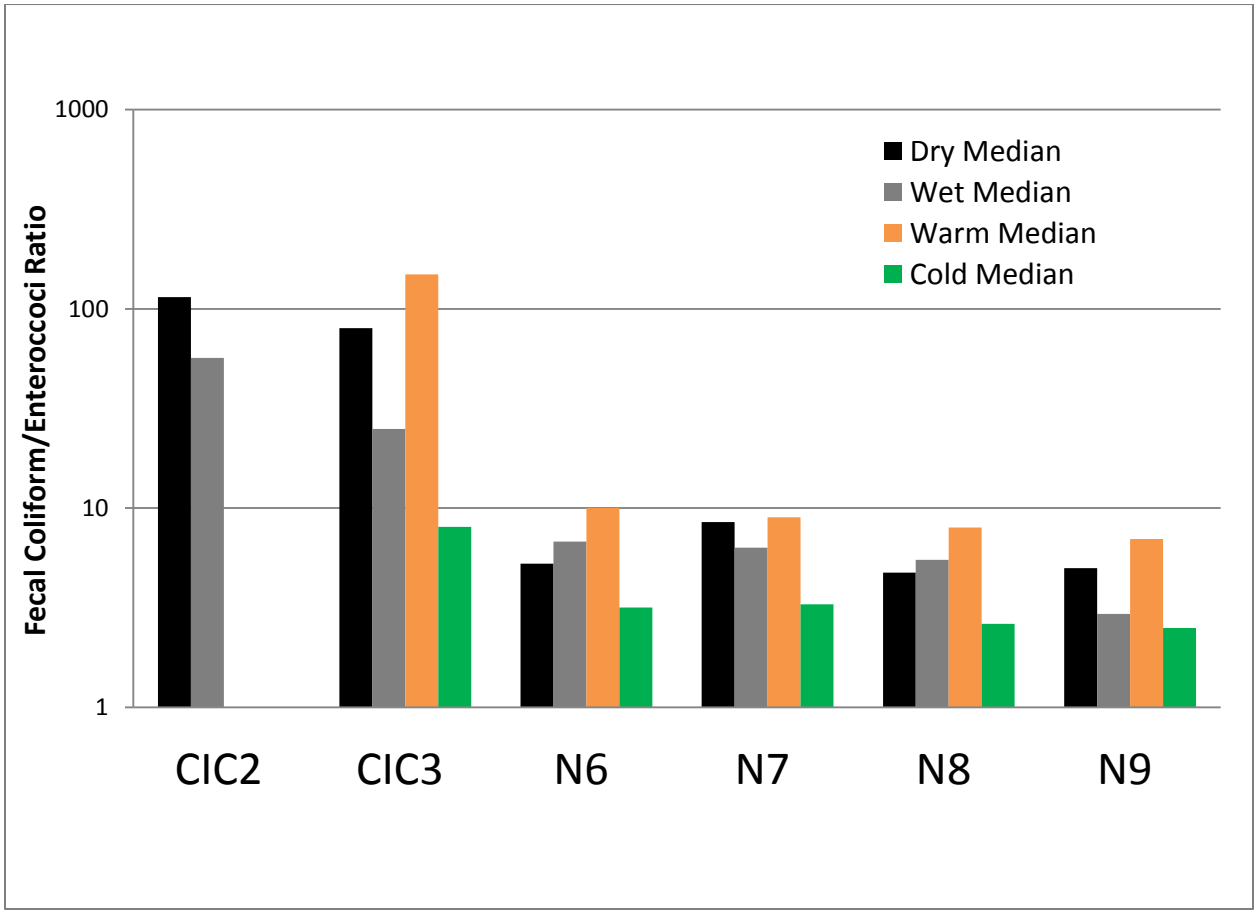

Figure 2-23. Fecal Coliform/Enterococci Ratio in Coney Island Creek

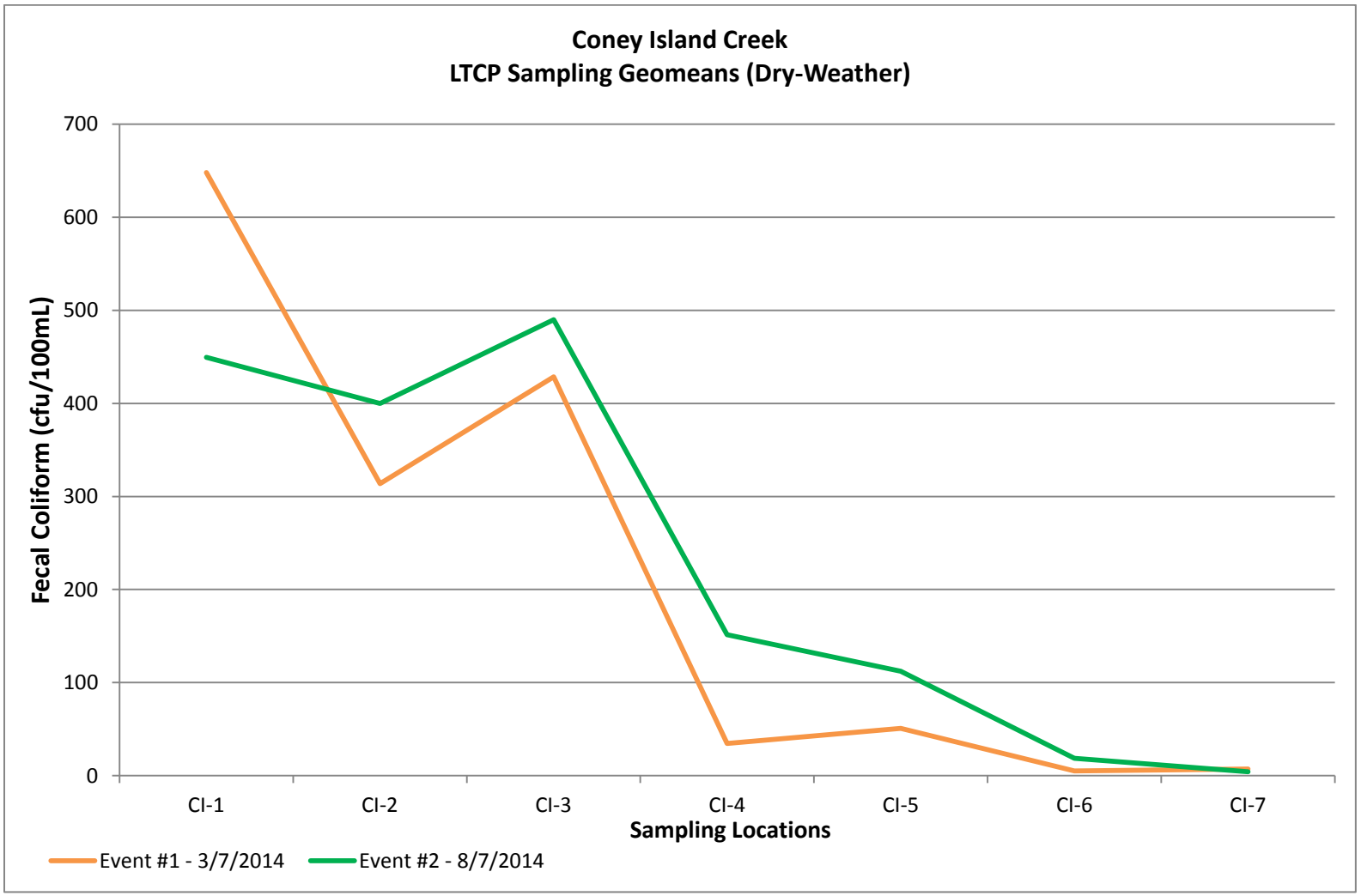

Figure 2-24. Fecal Coliform Data from LTCP Dry-Weather Campaign – Coney Island Creek (March and August 2014)

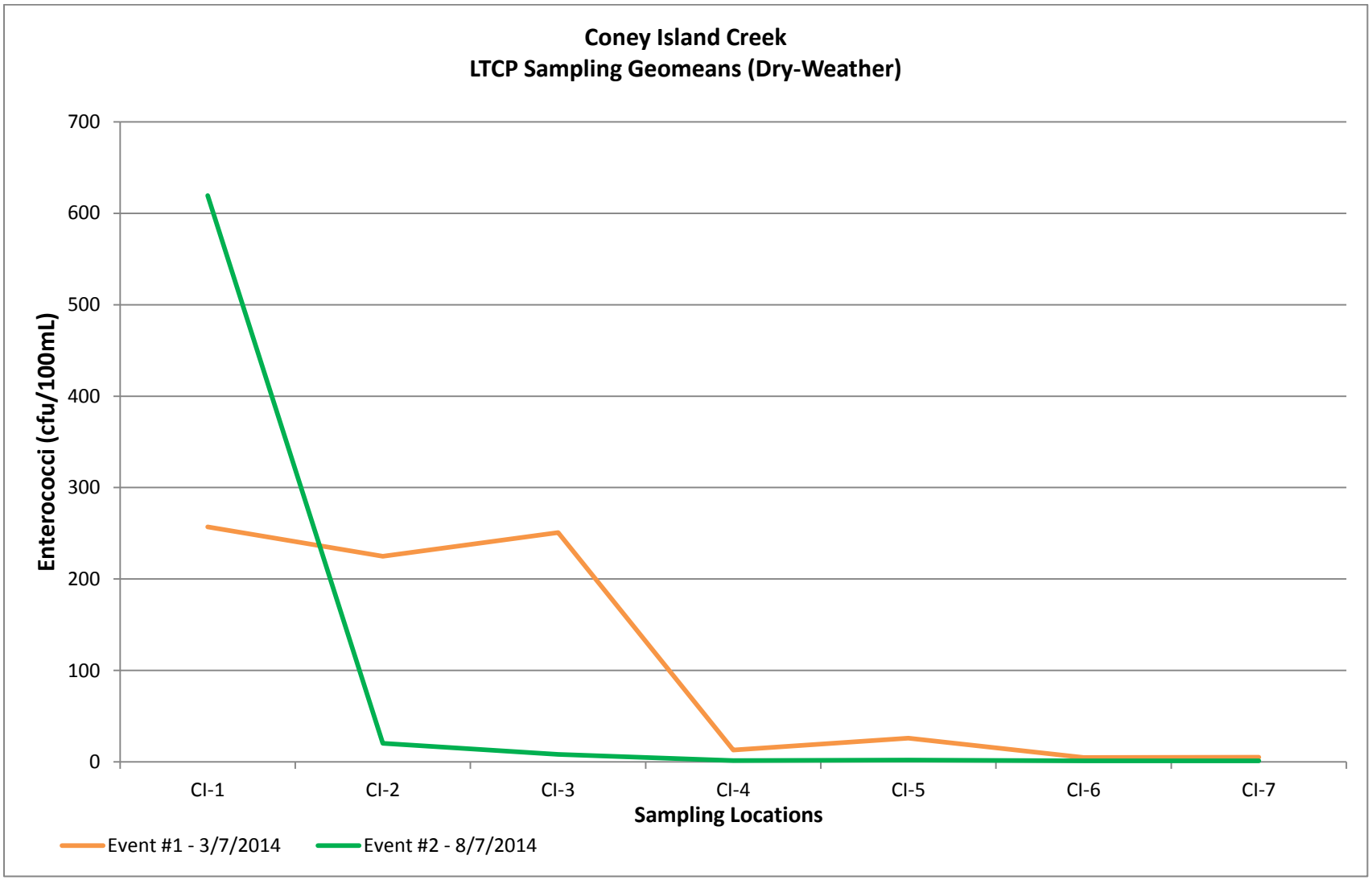

Figure 2-25. Enterococci Data from LTCP Dry-Weather Campaign – Coney Island Creek (March and August 2014)

DEP has initiated a step-wise process to determine whether the fecal coliform measurements in Coney Island Creek are truly indicators of intestinal pollution or whether they are false positives originating from non-*Escherichia coli* growing on the incubated media. If the latter, these measurements may be unrelated to human health risks and should not be compared to receiving water standards. The approach being taken consists of the following elements.

- Split Samples – Samples are being collected and analyzed by both DEP's HSM Program in-house laboratory and the LTCP contract laboratory (eurofins QC, Inc). Split samples are being performed for both fecal coliform bacteria and enterococci.

- Fecal coliform verification – A verification procedure is being conducted to establish the validity of both blue color colonies typical colonies and atypical colonies. This involves inoculating both tubes with samples from colonies picked from the membrane filters after completion of the 24-fecal coliform test. Essentially, this takes the fecal coliform test another step to determine whether the measured colonies are likely to be *Escherichia coli*.

- Gram staining – This is an additional step for the verification procedure noted above that determines whether the colonies being identified as fecal coliform bacteria truly show the characteristics of being Gram negative non-spore forming rods, and thus are likely to be *Escherichia coli*.

2.2.a.7 Water Quality Modeling

In addition to the collection, compilation, and analysis of measurements described in Section 2.2.a.6, water quality modeling was also used to characterize and assess the Coney Island Creek water quality. A model computational grid was used in the LTCP analysis to represent the Coney Island Creek waterbody. The model computational grid, shown in Figure 2-26, was used for LTCP hydrodynamic, pathogens, and dissolved oxygen modeling. The validation of these water quality models using measurements collected during 2014 is described in the Coney Island Creek LTCP Sewer System and Water Quality Modeling Report (DEP, 2016). The measurements used for model calibration and validation include LTCP, DEP Harbor Survey and Sentinel Monitoring, with wet-weather volumetric loading information from validated IW models. Once calibrated and validated, the water quality models were used to aid in the assessment of water quality benefits associated with LTCP CSO control alternatives, as will be presented in Sections 6 and 8.



Figure 2-26. Computational Grid for Coney Island Creek Water Quality Modeling

3.0 CSO BEST MANAGEMENT PRACTICES

The SPDES permits for all 14 WWTPs in NYC require DEP to report annually on the progress of the following 13 CSO BMPs:

1. CSO Maintenance and Inspection Program
2. Maximum Use of Collection Systems for Storage
3. Maximize Flow to Publicly Owned Treatment Plant (POTW)
4. Wet Weather Operating Plan (WWOP)
5. Prohibition of Dry Weather Flow
6. Industrial Pretreatment
7. Control of Floatable and Settleable Solids
8. Combined Sewer Replacement
9. Combined Sewer Extension
10. Sewer Connection and Extension Prohibitions
11. Septage and Hauled Waste
12. Control of Runoff
13. Public Notification

The 2015 BMP Annual Report included a section on *Additional CSO BMP Special Conditions*. This section was submitted pursuant to Item 5.c. in Appendix B of Additional CSO BMP Special Conditions in the SPDES Permits. Item 5.b requires DEP to submit monthly reports of all known or suspected CSO discharges from key regulators outside the period of a critical wet-weather event. For the first year after the effective date of the 2014 CSO BMP Order, Item 5.b also required DEP to quarterly "submit for New York State Department of Environmental Conservation approval an engineering analysis of the cause(s) for each discharge and an analysis of options to reduce or eliminate similar future events." Subsequent updates of the engineering analyses are to be provided in the CSO BMP Annual Reports. The 2015 BMP Annual Report did not identify any key regulators for Coney Island Creek.

The BMPs listed above are equivalent to the Nine Minimum Controls (NMCs) required under the EPA National CSO Policy and were developed by the EPA to represent BMPs that would serve as technology-based CSO controls. The BMP's were intended to be "determined on a best professional judgment basis by the NPDES permitting authority" and to be the best available technology-based controls that permittees could implement within two years. EPA developed two guidance manuals that embodied the underlying intent of the NMCs for permit writers and municipalities, offering suggested language for SPDES permits and programmatic controls that could accomplish the goals of the NMCs (EPA, 1995a, 1995b). A comparison of the EPA's NMCs to the 13 SPDES BMPs is shown in Table 3-1.

Table 3-1. Comparison of EPA Nine Minimum Controls with SPDES Permit BMPs

EPA Nine Minimum Controls	SPDES Permit Best Management Practices
NMC 1: Proper Operations and Regular Maintenance Programs for the Sewer System and the CSOs	BMP 1: CSO Maintenance and Inspection Program BMP 4: Wet Weather Operating Plan BMP 8: Combined Sewer Replacement BMP 9: Combined Sewer Extension BMP 10: Sewer Connection and Extension Prohibitions BMP 11: Septage and Hauled Waste
NMC 2: Maximum Use of the Collection System for Storage	BMP 2: Maximum Use of Collection Systems for Storage
NMC 3: Review and Modification of Pretreatment Requirements to Assure CSO Impacts are Minimized	BMP 6: Industrial Pretreatment
NMC 4: Maximization of Flow to the POTW for Treatment	BMP 3: Maximize Wet Flow to POTW BMP 4: Wet Weather Operating Plan
NMC 5: Prohibition of CSOs During Dry Weather	BMP 5: Prohibition of Dry Weather Overflow
NMC 6: Control of Solid and Floatable Material in CSOs	BMP 7: Control of Floatables and Settleable Solids
NMC 7: Pollution Prevention	BMP 6: Industrial Pretreatment BMP 7: Control of Floatables and Settleable Solids BMP 12: Control of Runoff
NMC 8: Public Notification to Ensure that the Public Receives Adequate Notification of CSO Occurrences and CSO Impacts	BMP 13: Public Notification
NMC 9: Monitoring to Effectively Characterize CSO Impacts and the Efficacy of CSO Controls	BMP 1: CSO Maintenance and Inspection Program BMP 5: Prohibition of Dry Weather Overflow BMP 6: Industrial Pretreatment BMP 7: Control of Floatables and Settleable Solids

On May 8, 2014 DEP and DEC entered into an administrative Consent Order[1],extending and modifying the parties' 2010 CSO BMP Consent Order. The 2014 Consent Order's Schedule of Compliance identified new milestones and milestones that already have been achieved. Upcoming milestones include the following:

- Issuing Notice to Proceed to Construction for repair, rehab or replacement of interceptors;
- Post-construction compliance monitoring;
- Maximizing flow at WWTPs;
- CSO monitoring and equipment at key regulators;
- Updating WWOPs with throttling protocols and updating critical equipment lists;
- Bypass reporting;
- Key regulator monitoring reporting;
- Regulators with CSO monitoring equipment identification program reporting; and

[1] 2014 CSO BMP Consent Order. DEC File No. R2-20140203-112.

- Hydraulic modeling verification.

This section is based on the practices summarized in the 2015 Best Management Practices Annual Report (2015 BMP Annual Report) and the 2014 CSO BMP Consent Order.

This section presents a brief summary of each BMP and its respective relationship to the federal NMCs. In general, the BMPs address operation and maintenance procedures, maximum use of existing systems and facilities, and related planning efforts to maximize capture of CSO and to reduce contaminants in the CSS, thereby reducing water quality impacts.

3.1 Collection System Maintenance and Inspection Program

This BMP addresses NMC 1 (Proper Operations and Regular Maintenance Programs for the Sewer System and the CSOs) and NMC 9 (Monitoring to Effectively Characterize CSO Impacts and the Efficacy of CSO Controls). Through regularly scheduled inspections of the CSO regulator structures and the performance of required repair, cleaning, and maintenance work, dry-weather overflows and leakage can be prevented and flow to the WWTP can be maximized. Specific components of this BMP include:

- Inspection and maintenance of CSO tide gates;
- Telemetering of regulators;
- Reporting of regulator telemetry results;
- Recording and reporting of events that cause discharge at outfalls during dry-weather; and,
- DEC review of inspection program reports.

Details of recent preventative and corrective maintenance reports can be found in the appendices of the BMP Annual Reports.

3.2 Maximizing Use of Collection System for Storage

This BMP addresses NMC 2 (Maximum Use of the Collection System for Storage) and requires cleaning and flushing to remove and prevent solids deposition within the collection system, and an evaluation of hydraulic capacity. These practices enable regulators and weirs to be adjusted to maximize the use of system capacity for CSO storage, which reduces the amount of overflow. DEP provides general information in the 2015 BMP Annual Report, describing the status of citywide Supervisory Control and Data Acquisition, regulators, tide gates, interceptors, in-line storage projects, and collection system inspections and cleaning.

Additional data gathered in accordance with the requirements of the 2014 CSO BMP Consent Order, such as CSO monitoring, will be used to verify and/or further calibrate the hydraulic model developed for the CSO LTCPs.

3.3 Maximizing Wet Weather Flow to WWTPs

This BMP addresses NMC 4 (Maximization of Flow to the POTW for Treatment), and reiterates the WWTP operating targets established by the SPDES permits regarding the ability of the WWTP to receive

and treat minimum flows during wet-weather. The WWTP must be physically capable of receiving a minimum of two times design dry-weather flow (2xDDWF) through the plant headworks; a minimum of 2xDDWF through the primary treatment works (and disinfection works, if applicable); and a minimum of one and one-half times design dry-weather flow (1.5xDDWF) through the secondary treatment works during wet-weather. The actual process control set points may be established by the WWOP required in BMP 4.

NYC's WWTPs are physically capable of receiving a minimum of twice their permit-rated design flow through primary treatment and disinfection in accordance with their DEC-approved WWOPs. However, the maximum flow that can reach a particular WWTP is controlled by a number of factors, including: hydraulic capacities of the upstream flow regulators; storm intensities within different areas of the collection system; and plant operators, who can restrict flow using "throttling" gates located at the WWTP entrance to protect the WWTP from flooding and process upsets. DEP's operations staff is trained in how to maximize pumped flows without impacting the treatment process, critical infrastructure, or public safety. For guidance, DEP's operations staff follow their plant's DEC-approved WWOP, which specifies the "actual Process Control Set Points," including average flow, in accordance with Sections VIII (3) and (4) of the SPDES permits. Analyses presented in the 2015 BMP Annual Report indicate that DEP's WWTPs generally complied with this BMP during 2014.

The 2014 CSO BMP Consent Order has a number of requirements related to maximizing wet-weather flows to WWTPs including, but not limited to:

- An enforceable compliance schedule to ensure that DEP maximizes flow to and through the WWTP during wet-weather events;
- Incorporating throttling protocol and guidance at the WWTPs;
- Updating the critical equipment lists for WWTPs, which includes screening facilities at pump stations that deliver flow directly to the WWTP and at WWTP headworks; and,
- Reporting bypasses to the DEC per the 2014 CSO BMP Consent Order.

3.4 Wet Weather Operating Plan

This BMP addresses NMC 1 (Proper Operations and Regular Maintenance Programs for the Sewer System and the CSOs) and NMC 4 (Maximization of Flow to the POTW for Treatment). To maximize treatment during wet-weather events, WWOPs were developed for each WWTP drainage area in accordance with the DEC publication entitled *Wet Weather Operating Practices for POTWs with Combined Sewers*. Components of the WWOPs include:

- Unit process operating procedures;
- CSO retention/treatment facility operating procedures, if relevant for that drainage area; and,
- Process control procedures and set points to maintain the stability and efficiency of biological nutrient removal processes, if required.

As required by the 2014 CSO BMP Consent Order, DEP resubmitted all WWOPs, including the Owls Head WWTP WWOP and Coney Island WWTP, to DEC in December 2014. DEC has not yet responded to those submittals.

3.5 Prohibition of Dry Weather Overflows

This BMP addresses NMC 5 (Prohibition of CSOs during Dry Weather) and NMC 9 (Monitoring to Effectively Characterize CSO Impacts and the Efficacy of CSO Controls), and requires that any dry- weather overflow event be promptly abated and reported to DEC within 24 hours. A written report must follow within 14 days and contain the information required by the corresponding SPDES permit. The status of the shoreline survey, the Dry Weather Discharge Investigation Report, and a summary of the total bypasses from the treatment and collection system are provided in the BMP Annual Reports.

Dry-weather overflows from the CSS are prohibited and DEP's goal is to reduce and/or eliminate dry- weather bypasses.

The 2015 data for regulators and pump stations reveal that there were no dry-weather overflows to Coney Island Creek. However, as noted in Section 2.0, DEP's 2014 and 2015 investigation of 53 establishments revealed 10 illicit connections in the MS4 drainage area tributary to outfall OH-021. DEP commenced enforcement proceedings with Commissioner's Orders for their removal and eight have been fully abated. The two remaining illicit connections are in the process of properly reconnecting to a sanitary sewer.

3.6 Industrial Pretreatment Program

This BMP addresses three NMCs: NMC 3 (Review and Modification of Pretreatment Requirements to Assure CSO Impacts are Minimized); NMC 7 (Pollution Prevention); and NMC 9 (Monitoring to Effectively Characterize CSO Impacts and the Efficacy of CSO Controls). By regulating the discharges of toxic pollutants from unregulated, relocated, or new Significant Industrial Users tributary to CSOs, this BMP addresses the maximization of persistent toxics treatment from industrial sources upstream of CSOs. Specific components of this BMP include:

- Consideration of CSOs in the calculation of local limits for indirect discharges of toxic pollutants;
- Scheduled discharge during conditions of non-CSO, if appropriate for batch discharges of industrial wastewater;
- Analysis of system capacity to maximize delivery of industrial wastewater to the WWTP, especially for continuous discharges;
- Exclusion of non-contact cooling water from the CSS and permitting of direct discharges of cooling water; and
- Prioritization of industrial waste containing toxic pollutants for capture and treatment by the WWTP over residential/commercial service areas.

Since 2000, the average total industrial metals loading to NYC WWTPs has been declining. As described in the 2015 BMP Annual Report, the average total metals discharged by all regulated industries to the WWTPs was 12.2 lbs/day, and the total amount of metals discharged by regulated industrial users

remained very low. Applying the same percentage of CSO bypass (1.5 percent) from the CSO report to the current data, it is estimated that, on average, less than 0.181 lbs/day of total metals from regulated industries bypassed to CSOs in 2015 (DEP, 2016).

3.7 Control of Floatables and Settleable Solids

This BMP addresses NMC 6 (Control of Solid and Floatable Material in CSOs), NMC 7 (Pollution Prevention), and NMC 9 (Monitoring to Effectively Characterize CSO Impacts and the Efficacy of CSO Controls), by requiring the implementation of the following four practices to eliminate or minimize the discharge of floating solids, oil and grease, or solids of sewage origin that cause deposition in receiving waters.

- Catch Basin Repair and Maintenance: This practice includes inspection and maintenance scheduled to ensure proper operations of basins.
- Catch Basin Retrofitting: By upgrading basins with obsolete designs to contemporary designs with appropriate street litter capture capability; this program is intended to increase the control of floatable and settleable solids citywide.
- Booming, Skimming and Netting: This practice implements floatables containment systems within the receiving waterbody associated with applicable CSO outfalls. Requirements for system inspection, service and maintenance are also established.
- Institutional, Regulatory, and Public Education: The report must also include recommendations for alternative NYC programs and an implementation schedule to reduce the water quality impacts of street and toilet litter.

3.8 Combined Sewer Replacement

This BMP addresses NMC 1 (Proper Operations and Regular Maintenance Programs for the Sewer Systems and the CSO's), requiring all combined sewer replacements to be approved by the DOH and to be specified within the DEP's Master Plan for Sewage and Drainage. Whenever possible, separate sanitary and storm sewers should be used to replace combined sewers. Each BMP Annual Report describes the citywide plan, and addresses specific projects occurring in the reporting year.

Within the separate sanitary service area of the Coney Island WWTP serving the peninsula south of Coney Island Creek, the first Capital Project (CONISPH01) in the watershed is currently in construction and is scheduled to be completed in the fall of 2016. The project will include the installation of a new larger outfall at West 15th Street, new storm sewers, replacements of existing sanitary sewers, replacement and upgrading of existing trunk and distribution water mains in West 15th Street between Hart Place and Surf Avenue, as well as the replacement of existing storm sewers in a portion of Surf Avenue between Stillwell and West 17th Street.

3.9 Combined Sewer Extension

This BMP addresses NMC 1 (Proper Operations and Regular Maintenance Programs for the Sewer System and the CSOs). A brief status report is provided in the 2015 BMP Annual Report. According to the report, DEP completed four private sewer extensions in 2015. To minimize stormwater entering the CSS, this BMP requires combined sewer extensions to be accomplished using separate sewers whenever

possible. If separate sewers must be extended from combined sewers, analyses must be performed to demonstrate that the sewage system and treatment plant are able to convey and treat the increased dry- weather flows with minimal impact on receiving water quality.

3.10 Sewer Connection & Extension Prohibitions

This BMP addresses NMC 1 (Proper Operations and Regular Maintenance Programs for the Sewer System and the CSOs), and prohibits sewer connections and extensions that would exacerbate recurrent instances of either sewer back-up or manhole overflows upon letter notification from DEC. Wastewater connections to the CSS downstream of the last regulator or diversion chamber are also prohibited. Each BMP Annual Report contains a brief status report for this BMP and provides details pertaining to chronic sewer back-up and manhole overflow notifications submitted to DEC when necessary. For the calendar year 2015, conditions did not require DEP to prohibit additional sewer connections or sewer extensions.

3.11 Septage and Hauled Waste

This BMP addresses NMC 1 (Proper Operations and Regular Maintenance Programs for the Sewer System and the CSOs). The discharge or release of septage or hauled waste upstream of a CSO (e.g., scavenger waste) is prohibited under this BMP. Scavenger wastes may only be discharged at designated manholes that never drain into a CSO, and only with a valid permit. The 2008 BMP Annual Report summarizes the three scavenger waste acceptance facilities controlled by DEP, and the regulations governing discharge of such material at the facilities. The facilities are located in the Hunts Point, Oakwood Beach, and 26th Ward WWTP service areas. The program remained unchanged through the 2015 BMP Annual Report.

3.12 Control of Runoff

This BMP addresses NMC 7 (Pollution Prevention) by requiring all sewer certifications for new development to follow DEP rules and regulations, to be consistent with the DEP Master Plan for Sewers and Drainage, and to be permitted by the DEP. This BMP ensures that only allowable flow is discharged into the combined or storm sewer system.

A rule to “reduce the release rate of storm flow from new developments to 10 percent of the drainage plan allowable or 0.25 cfs per impervious acre, whichever is higher (for cases when the allowable storm flow is more than 0.25 cfs per impervious acre),” was promulgated on January 4, 2012, and became effective on July 4, 2012.

3.13 Public Notification

BMP 13 addresses NMC 8 (Public Notification to Ensure that the Public Receives Adequate Notification of CSO Occurrences and CSO Impacts) as well as NMC 1 (Proper Operations and Regular Maintenance Programs for the Sewer System and the CSOs) and NMC 9 (Monitoring to Effectively Characterize CSO Impacts and the Efficacy of CSO Controls).

This BMP requires easy-to-read identification signage to be placed at or near CSO outfalls, with contact information for DEP, to allow the public to report observed dry-weather overflows. All signage information and appearance must comply with the Discharge Notification Requirements listed in the SPDES permit.

This BMP also requires that a system be in place to determine the nature and duration of an overflow event, and that potential users of the receiving waters are notified of any resulting, potentially harmful conditions. The BMP allows the DOHMH to implement and manage the notification program. Accordingly, the Wet Weather Advisories, Pollution Advisories and Closures are tabulated for all NYC public and private beaches. There are no bathing beaches in Coney Island Creek. The nearest beaches to Coney Island Creek are the private Sea Gate Beach and public Coney Island Beach. The Sea Gate Beach had one closure in 2015 from 6/24/2015 to 6/25/2015. The Coney Island Beach had no warnings or closures in 2015 according to the 2015 BMP Annual Report.

3.14 Characterization and Monitoring

Previous studies have characterized and described the Owls Head WWTP collection system, Coney Island WWTP collection system, and the water quality for Coney Island Creek (see Chapters 3 and 4 of the Coney Island Creek WWFP, 2009). Additional data were collected and are analyzed in this LTCP (see Section 2.2). Continued monitoring occurs under a variety of DEP initiatives, such as floatables monitoring programs and the DEP Harbor Monitoring Survey, and is reported in the BMP Annual Reports under SPDES BMPs 1, 5, 6 and 7, as described above.

Future monitoring includes the installation of CSO monitoring equipment (Doppler sensors in the telemetry system and inclinometers where feasible), at key regulators for the purpose of detecting CSO discharges (2014 CSO BMP Consent Order). Following installation of the CSO monitoring equipment, a monthly report of all known or suspected CSO discharges from key regulators, outside the period of a critical wet-weather event, will be submitted to DEC. Additional quarterly reports and one comprehensive report summarizing one year of known or suspected CSO discharges will be submitted to DEC describing the cause of each discharge and providing options to reduce or eliminate similar future events, with an implementation schedule.

3.15 CSO BMP Report Summaries

In accordance with the SPDES permit requirements, annual reports summarizing the citywide implementation of the 13 BMPs described above are submitted to DEC. DEP has submitted 13 annual reports to date, covering calendar years 2003 through 2015. The 2015 BMP Annual Report is divided into 14 sections, one for each of the BMPs in the SPDES permits and one section for the SPDES Permit CSO BMP Special Conditions. Each section of the annual report describes ongoing DEP programs, provides statistics for initiatives occurring during the preceding calendar year, and discusses overall environmental improvements.

4.0 GREY INFRASTRUCTURE

4.1 Status of Grey Infrastructure Projects Recommended in Facility Plans

CSO planning in Coney Island Creek began under the 1998 Coney Island Creek (CIC) CSO Facility Planning Project. This planning focused on quantifying and assessing the impacts of CSO discharges to Coney Island Creek, which is located in Southwestern Brooklyn and is a tributary to Gravesend Bay. Initial recommendations in the 1998 Coney Island Creek CSO Facilities Planning Report were modified in September 2003 and further supplemented by the Coney Island Creek WWFP Report, submitted in June 2009. All documents recommended the expansion of the capacity of the Avenue V Pumping Station from 30 to 80 MGD and the construction of two force mains, one for wet weather flow and one for dry-weather flow. This project was ultimately designed, constructed, and became fully operational in 2014.

4.1.a Completed Projects

The facility planning activities through 2003 did not reflect the watershed planning approach that has more recently been determined by the EPA to be the most appropriate to assessing water quality improvements. Moreover, the proposed facility plan would not have resulted in compliance with then-existing WQS. Therefore, the proposed 2003 Coney Island Creek CSO Facility Plan was re-evaluated as part of the DEP Use and Standards Attainment Project, and the July 2009 Coney Island WWFP evaluated the plan still further. The plan recommended increasing the capacity of the Avenue V Pumping Station, but recommended no other grey infrastructure.

Avenue V Pumping Station

Table 4-1 summarizes the design flow basis for the upgrade of the Avenue V Pumping Station. The combined sewer wet weather flow component to the upgraded pumping station was estimated to be 42.0 MGD. This was determined based on a long term rainfall capture simulation (20 years, 1964-1984) using a computer model developed under the Coney Island Creek CSO study. This peak CSO pumping rate was determined with the goal of reducing CSOs to the Creek by 85 to 90 percent. The design peak sanitary flow from the separately sewered portion of the pumping station was 34.6 MGD. Accordingly, the minimum required pumping station capacity was 76.6 MGD, and an 80 MGD station capacity was used for design purposes.

Table 4-1. Design Flow Basis for the Upgrade of the Avenue V Pumping Station

Source	Dry Weather (MGD)		Wet Weather (MGD)
	Average	Peak	
Sanitary Sewers	19.2	34.6	34.6
Combined Sewers	7.6	13.7	42.0
Total	26.8	48.3	76.6(1)

Notes:
(1) Current real time dry-weather flow data observed by the 79G Contractor since 2009 shows the actual daily average to the approximately 18 MGD with a peak of 27 MGD.

New Forcemains

At the time of the pump station upgrade evaluation, the conveyance capacity of the existing force mains was found to be insufficient for the proposed new pump station capacity. As part of the Avenue V Pumping Station rehabilitation and upgrade, the installation of new force mains was required to provide additional conveyance capacity. The Avenue V Pumping Station had the capacity to pump approximately 30 MGD of dry or wet weather flow, and the minimum flow rate was approximately 8 MGD. Two force mains, a 24-inch and a 30-inch, conveyed the pumped flow from the Avenue V Pumping Station to a 78-inch gravity sewer. Additional conveyance capacity was required to handle both dry and wet weather flow from the expanded Avenue V Pumping Station. Multiple force mains were planned to be provided to increase operational flexibility and redundancy as part of the Pumping Station upgrade work. Various flow routing schemes to convey the flow from the Avenue V Pumping Station to the Owls Head Wastewater Treatment Plant (WWTP) were investigated. Ultimately, approximately 18,300 linear feet of force main were constructed to convey dry-weather flow to the SE-133 Owls Head Interceptor and 13,100 linear feet of force main were constructed to convey wet weather flow to Regulator 9A. Figures 4-1 and 4-2 show the Avenue V Pumping Station upgrade and new force mains. The upgraded pumping station and new force mains became fully operational July 2014.

4.1.b Ongoing Projects

The New York City Department of Design and Construction (DDC) is constructing new storm sewers and outfalls for a 248 acre neighborhood within Brooklyn Community District 13. The proposed project involves the reconstruction and enlargement of three existing outfalls, installation of new stormwater collection sewers, relocation and upgrade of distribution and trunk water mains, and relocation and upgrade of sanitary sewer lines along with the reconstruction of affected streets. Due to the drainage area's low-lying topography, the proposed stormwater collection sewers are wide and shallow, and therefore require the relocation of sanitary lines and water mains within certain segments of built streets. Construction of the proposed project will also require the relocation of utilities, as necessary, within the proposed project area. Finally, the proposed project includes the design and construction of a consolidated wetland restoration plan at Calvert Vaux Park to address all permanent wetland impacts associated with the reconstruction and enlargement of three existing stormwater outfalls.

Figure 4-3 provides a visual summary of the project's scope and bounds.

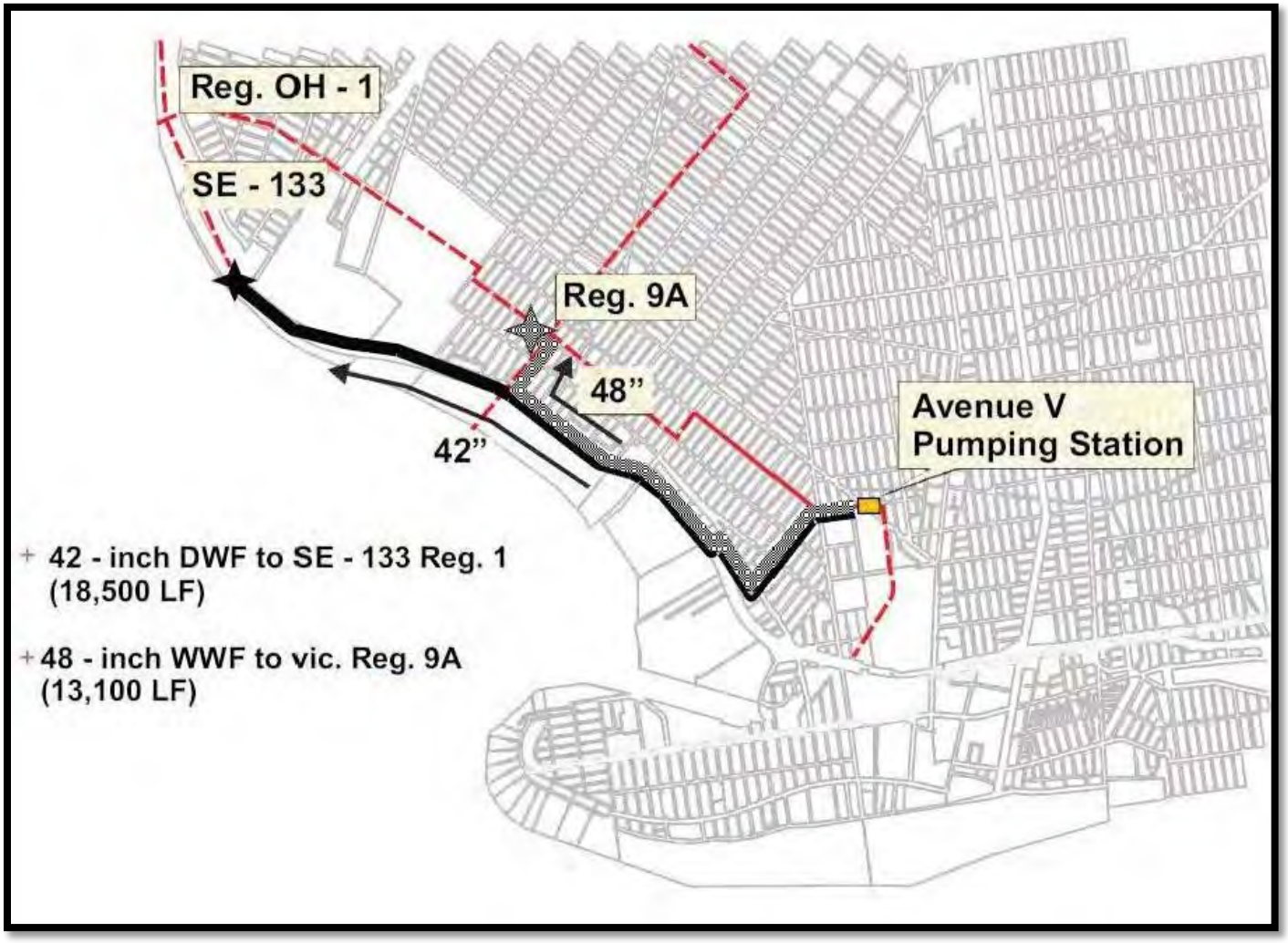

Figure 4-1. New Force Mains for Avenue V Pumping Station

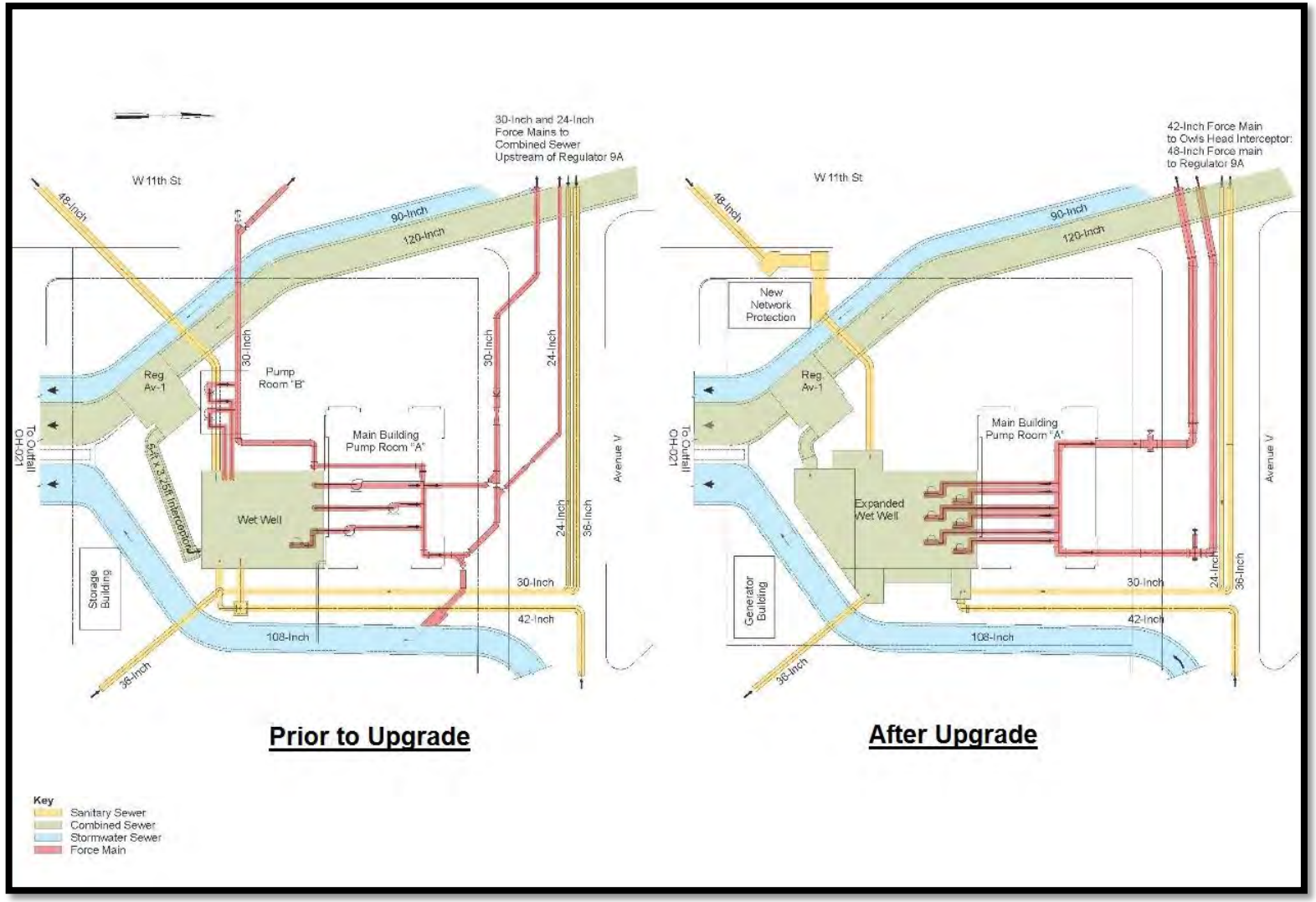

Figure 4-2. Schematic of Avenue V Pumping Station Before and After Upgrade



Figure 4-3. DDC Storm Sewer and Outfall Project

4.1.c Planned Projects

DEP proposes a variety of resiliency improvements for the Coney Island WWTP and pumping stations within the Coney Island sewershed, consistent with the October 2013 NYC Wastewater Resiliency Plan. However, no other CSO-related grey infrastructure projects are planned. Impacts on the frequency and/or amount of CSO overflows from the proposed WWTP and pumping station improvements will be determined when the specific projects are identified.

4.2 Other Water Quality Improvement Measures Recommended in Facility Plans (Dredging, Floatables, Aeration)

No additional water quality improvement measures were recommended for Coney Island Creek.

4.3 Post-Construction Monitoring

The PCM is integral to the optimization of the Coney Island Creek LTCP, providing data for model validation and feedback on system performance. Each year's data set will be compiled and evaluated to refine the understanding of the interaction between Coney Island Creek and the actions identified in this LTCP, with the ultimate goal of fully attaining compliance with current WQS or supporting a UAA to revise such standards, if appropriate. The PCM program contains two basic components:

1. Receiving water data collection in Coney Island Creek at the stations of DEP's HSM and SM programs; and

2. Modeling the collection system and receiving waters to characterize water quality using the existing InfoWorks CS™ (IW) and CICWQM, respectively.

The details provided herein are limited to the Coney Island Creek PCM and may be modified as DEP's CSO planning advances through the completion of other LTCPs, including the Citywide LTCP in 2018.

PCM in Coney Island Creek commenced before the upgraded Avenue V Pumping Station became fully operational. Build-out of Green Infrastructure to cover 1 percent of the sewershed's impervious surfaces draining to combined sewers is scheduled to be completed by 2030, but is not slated for the immediate future. Monitoring will continue for five years after the grey infrastructure controls are in place, to quantify the difference between the expected and actual performance. Any gap identified by the monitoring program can then be addressed through operational adjustments, retrofitting additional controls, or through the implementation of additional technically feasible and cost-effective alternatives. If it becomes clear that CSO control alone will not result in full attainment of applicable WQS, DEP will pursue the necessary regulatory mechanism for a UAA. The first annual PCM report will be submitted June 30, 2016.

4.3.a Collection and Monitoring of Water Quality in the Receiving Waters

PCM sampling in the Coney Island Creek Stations CIC2 and CIC3 commenced in January 2013, prior to the facility being placed into operation. Figure 4-4 shows the PCM Stations CIC2 and CIC3. For Coney Island Creek, PCM sampling is being conducted by the HSM program four times per month, from May through October, and then monthly during the remainder of the year. It is anticipated that PCM associated

with any additional CSO controls identified for implementation as part of this LTCP would consist of a continuation of the existing HSM program in the Coney Island Creek watershed.

Measured parameters relating to receiving water quality include: Dissolved Oxygen (DO), fecal coliform, enterococci, chlorophyll 'a', and Secchi depth. With the exception of enterococci, NYC has used these parameters for decades to identify historical and spatial trends in water quality throughout New York Harbor.

The HSM program measures dissolved oxygen and chlorophyll 'a' at surface and bottom depths; the remaining parameters are measured at the surface only.

As was noted in both Sections 2.0 and 3.0, the HSM program has detected elevated dry-weather levels of bacteria concentrations towards the head end of Coney Island Creek, which are generally associated with illicit connections to the predominant separate stormwater system of its watershed. As detailed in earlier sections, DEP's enforcement efforts have addressed those illicit connections, resulting in full abatement or, with respect to two such connections, to abatement work nearing completion.



Figure 4-4. HSM Sampling Locations, Coney Island Creek

4.3.b CSO Facilities Operations – Flow Monitoring and Effluent Quality

Any flow and effluent quality monitoring program would be dependent on the types and sizes of proposed CSO controls implemented under this LTCP. Effluent quality data is not expected to be collected routinely at an unmanned facility, nor is routine CSO flow and effluent quality data anticipated to be collected on outfalls for which no controls have been provided. If the implemented control is permitted under the SPDES, the conditions of that permit regarding effluent monitoring would be followed.

4.3.c Assessment of Performance Criteria

CSO controls implemented under this LTCP will be designed to achieve a specific set of water quality and/or CSO reduction goals as established in this LTCP, and as directed in the subsequent Basis of Design Report that informs the design process. If no additional CSO controls are proposed, then affirmation of water quality projections would be necessary. In both cases, the PCM data, coupled with the modeling framework used for annual reporting, will be used to assess the performance of the CSO controls implemented in comparison to the water quality goals.

Differences between actual overflows and model-predicted overflows are often attributable to the fact that the model results are based on the rainfall measured at a single NOAA rain gauge being taken to represent the rainfall over the entire drainage area. In reality, storms move through the area and are variable so that the rainfall actually varies over time and space. Because rainfall patterns tend to even out over the area over time, the practice of using the rainfall measured at one nearby location typically provides good agreement with long term performance for the collection system as a whole; however, model results for any particular storm may vary somewhat from observations.

Given the uncertainty associated with potentially widely varying precipitation conditions, rainfall analysis is an essential component of the PCM. For Coney Island Creek, the most representative long term rainfall data record is available from the National Weather Service's John F. Kennedy International Airport (JFK) gauge. Rain data for each calendar year of the PCM program will be compared to the 10-year model period (2002-2011) and to the JFK 2008 rain data used for alternative evaluations. Statistics, including number of storms, duration, total annual and monthly depths, and relative and peak intensities, will be used to classify the particular reporting year as wet or dry relative to the time series on which the concept was based. Uncertainty in the analysis may be supplemented with radar rainfall data where there is evidence of large spatial variations.

The reporting year will be modeled utilizing the existing IW/CICWQM framework using the reporting year tides and precipitation. The resulting CSO discharges and water quality attainment will then be compared with available PCM data for the year as a means of validating model output. The level of attainment will be calculated from the modeling results and coupled with the precipitation analysis to determine relative improvement and the existence of any gap. Three successive years of evaluation will be necessary before capital improvements are considered, but operational adjustments will be considered throughout operation and reporting.

5.0 GREEN INFRASTRUCTURE

By capturing stormwater runoff and managing it through the processes of volume retention, infiltration, evapotranspiration, and re-use, GI can reduce stormwater flow into CSS.[1] In 2010, the DEP wrote and adopted the *NYC Green Infrastructure Plan: A Sustainable Strategy for Clean Waterways* ("GI Plan"), which was subsequently incorporated into the 2012 CSO Consent Order.

Over the next 20 years, DEP is planning for $2.4B in public and private funding for targeted GI installations, and $2.9B in cost-effective grey infrastructure upgrades to reduce CSOs. The Green Infrastructure Program, including citywide and CSO tributary area-specific implementation, is described below. Pursuant to the 2012 CSO Consent Order, DEP publishes the *Green Infrastructure Annual Report* every April 30th to provide details on GI implementation and related efforts. These reports can be found at http://www.nyc.gov/html/dep/html/ stormwater/nyc_green_infrastructure_plan.shtml.

5.1 NYC Green Infrastructure Plan (GI Plan)

The GI Plan presents an alternative approach to improving water quality through additional CSO volume reductions and outlines strategies to implement decentralized stormwater source controls. An initial estimate, produced in 2010, was based on a hybrid green/grey infrastructure approach that indicated DEP could reduce CSO volume by an additional 3.8 billion gallons per year (BGY), or approximately 2 BGY more than by implementing an all-grey strategy. In addition to its primary objective, enhancing water quality in NYC, the GI Plan will yield co-benefits that include improved air quality, urban heat island mitigation, carbon sequestration, increased shade, and increased urban habitat for pollinators and wildlife, among other co-benefits.

In January 2011, DEP created the Office of Green Infrastructure to implement the GI Plan, and committed $1.5B in funding through 2030, including $5M in Environmental Benefit Project (EBP) funds.[2] The Office of Green Infrastructure (OGI), in conjunction with other DEP Bureaus and partner NYC agencies, is tasked with designing and constructing GI practices that capture and manage stormwater runoff by infiltration and evapotranspiration before it reaches the CSS.

The OGI has developed design standards for ROW GI Practices, such as Bioswales (ROWBs), Stormwater Greenstreets, and rain gardens, and is developing additional GI standards to address various certain field conditions and restrictions. New standards include the Right-of-way Infiltration Basins, Green Strips, and porous pavement. The OGI is also developing on-site GI guidelines to retrofit city-owned properties. These standards include porous pavement, rain gardens, retention systems, and synthetic turf.

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[1] U.S. EPA, March 2014. *Greening CSO Plans: Planning and Modeling Green Infrastructure for Combined Sewer Overflow (CSO) Control.*

[2] EBP projects are undertaken in connection with the settlement of an enforcement action taken by New York State and DEC for violations of New York State law and DEC regulations.

5.2 Citywide Coordination and Implementation

DEP has identified several target CSO tributary areas (target areas) for GI implementation based on the following criteria: annual CSO volume; frequency of CSO events; other CSO control projects undertaken through the WWFP; and other grey system improvements planned for the future. DEP also notes outfalls in close proximity to existing and future public access locations. Over the course of the 20-year Green Infrastructure Program, DEP will continue to review and expand the number of targeted areas for the Green Infrastructure Program. The current target areas are shown in Figure 5-1. DEP employs adaptive management principles to implement the Green Infrastructure Program, which allows for factoring in field conditions, costs, and other challenges as it proceeds toward each milestone. DEP continues to identify additional Area-wide GI contracts for implementation.

Identifying target areas enables DEP to focus resources on specific outfall CSO Tributary Drainage Areas (TDAs) to analyze all potential GI opportunities, to saturate these areas with GI practices to the extent possible, and to achieve efficiencies in design and construction. This Area-wide strategy is made possible by DEP's standardized GI designs and procedures, and provides an opportunity to measure and to evaluate the CSO benefits of Area-wide GI implementation at the outfall level.

DEP utilizes the Area-wide strategy for all public property retrofits, as described in more detail in the *2013 Green Infrastructure Annual Report*. DEP works directly with its partner agencies on retrofit projects at public schools, public housing, parkland, and other NYC-owned property within the target areas. DEP coordinates on a regular basis with partner agencies to review designs for new projects and to gather current capital plan information to identify opportunities to integrate GI into planned public projects.

DEP manages several of its own design and construction contracts for rights-of-way and on-site GI practices. The EDC, the NYC Department of Parks and Recreation (DPR), and the DDC manage the design and construction of several of these Area-wide contracts in conjunction with DEP. For GI Program status, please refer to the 2015 Green Infrastructure Annual Report on DEP's website.

5.2.a Community Engagement

Stakeholder participation is a critical success factor for the effective implementation of decentralized GI projects. To this end, DEP engages and educates local neighborhoods, community groups, and other environmental and urban planning stakeholders about their role in the management of stormwater. DEP's outreach efforts involve presentations and coordination with elected officials, community boards, stormwater advocacy organizations, green job non-profits, environmental justice organizations, schools and universities, Citizens Advisory Committees, civic organizations, and other NYC agencies.

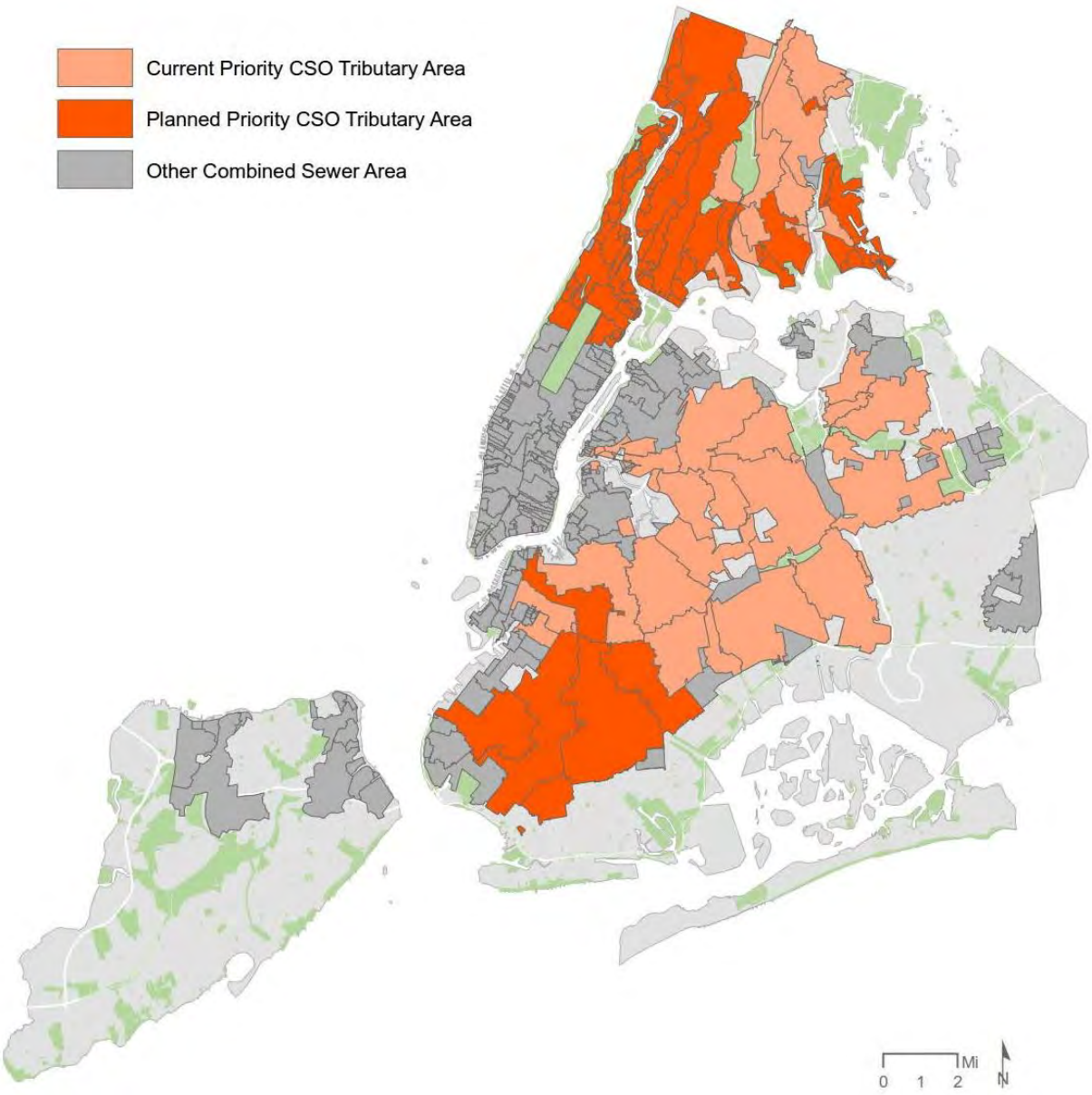

Figure 5-1. Current and Planned Priority CSO Tributary Areas

DEP launched its new website at www.nyc.gov/dep in 2013. As part of this update, DEP reorganized and added new content to the GI pages at www.nyc.gov/dep/greeninfrastructure. Users can now easily access more information on the Green Infrastructure Program, including Standard Designs for ROW GI practices. Users can also view a map of the target areas to learn whether GI is coming to their neighborhood.

DEP also created an educational video on the Green Infrastructure Program. This video gives a brief explanation of the environmental challenges posed by CSOs, while featuring GI technologies such as retention/detention systems, green/blue roofs, rain gardens, porous paving and permeable pavers. The video is available at DEP's YouTube© page.

To provide more information about the Green Infrastructure Program, DEP developed an informational brochure that describes the site selection and construction process for projects in the ROW. The brochure also includes frequently asked questions and answers, and explains the co-benefits of GI.

DEP notifies abutting property owners in advance of ROW GI construction projects. In each contract area, DEP and its partner agencies provide construction liaison staff to be present during construction. The contact information for the construction liaison is affixed to the door hangers for use if the need to alert NYC to a problem which arises during construction.

As part of its ongoing outreach efforts, DEP continues to make presentations to elected officials and their staffs, community boards, and other civic and environmental organizations about the Green Infrastructure Program, upcoming construction schedules, and final GI locations.

5.3 Completed Green Infrastructure to Reduce CSOs (Citywide and Watershed)

DEP's *Green Infrastructure Annual Reports* contain the most up-to-date information on completed projects and can be found on the DEP website. Reporting on completed projects on a citywide and watershed basis by April 30th is a requirement of the 2012 CSO Consent Order. In addition, Quarterly Progress Reports are posted on the DEP LTCP webpage: http://www.nyc.gov/ html/dep/html/ cso_long_ term_ control_plan/index.shtml.

5.3.a Green Infrastructure Demonstration and Pilot Projects

The Green Infrastructure Program applies an adaptive management approach, based on information collected and evaluated from Demonstration Projects and on pilot monitoring results. In particular, accumulated information will be used to develop the 2016 GI performance metrics report relating the benefits of CSO reduction to GI implementation.

Pilot Site Monitoring Program

DEP initiated site selection and design of its Pilot Monitoring Program in 2009. This program provides DEP opportunities to test different designs and monitoring techniques, and to determine the most cost-effective, adaptable, and efficient GI strategies. Specifically, the pilot monitoring aimed to assess the effectiveness of each of the evaluated source controls at reducing the volume and/or rate of stormwater runoff from the drainage area by measuring quantitative aspects (e.g., source control inflow and outflow rates), as well as qualitative issues (e.g., maintenance requirements, appearance and community perception). Since 2010, more than 30 individual pilot GI practices have been constructed and monitored

as part of the citywide pilot program for GI. These practices include: ROW GI such as bioswale rain gardens; rooftop practices such as blue roofs and green roofs; subsurface detention/retention systems with open bottoms for infiltration; porous pavement; and bioretention facilities. Data collection began in 2010, as construction for each of the monitoring sites has been completed. Pilot Monitoring Program results will assist in validating modeling methods and parameters. Results are discussed further in Section 5.3.e.

Neighborhood Demonstration Area Projects

The 2012 CSO Consent Order includes design, construction, and monitoring milestones for three Neighborhood Demonstration Area Projects (Demonstration Projects), which DEP met in 2012 and 2013. DEP has completed construction of GI practices within a total of 66 acres of tributary area in Hutchinson River, Newtown Creek and Jamaica Bay CSO TDAs. DEP has monitored these GI practices to study the benefits of GI application on a neighborhood scale and from a variety of techniques. A Post-Construction Compliance Monitoring (PCM) Report was submitted to DEC in August 2014. DEP received requests for clarification from DEC and submitted an updated PCM Report in January 2015. The results obtained from the Demonstration Projects, including monitoring, will be incorporated into the 2016 Performance Metrics Report, which will model the CSO reductions from GI projects. The approximately one-year pre-construction monitoring for all three Demonstration Projects started in fall 2011, and the approximately one-year PCM continued throughout 2013.

Construction of ROWBs as part of the Hutchinson River Green Infrastructure Demonstration Project was completed in April 2013 by the DPR. There were 22 ROWBs installed within the 24-acre tributary area, and the design and construction costs were approximately $625,000. In the 23-acre Jamaica Bay Green Infrastructure Demonstration Project, DEP completed 31 ROW GI installations in 2012 and the permeable pavement retrofit projects at New York City Housing Authority's (NYCHA) Seth Low Houses in 2013. The total design and construction costs were approximately $1.5M. In the 19-acre Newtown Creek Green Infrastructure Demonstration Project, DEP constructed 19 ROWBs, two rain gardens, and a subsurface storm chamber system on the site of NYCHA's Hope Gardens Houses. The projects were completed in 2013, and costs totaled approximately $1.6M for design and construction. For more detailed information on the Demonstration Projects, see the *2012 Green Infrastructure Annual Report.*

While DEP's Pilot Monitoring Program provides performance data for individual GI installations, the Demonstration Projects provided standardized methods and information for calculating, tracking, and reporting derived stormwater volume reductions, impervious area managed, and other benefits associated with both multiple installations within identified sub-TDAs. The data collected from each of the three demonstration areas will enhance DEP's understanding of the benefits of GI relative to runoff control and resulting CSO reduction. The results will then be extrapolated for calculating and modeling water quality and cost-benefit information on a citywide and waterbody basis in the 2016 Performance Metrics Report.

5.3.b Public Projects

In coordination with city agency and non-profit partners, DEP continues to identify, design and construct public property GI retrofit projects. To date, DEP has identified 80 parks, 44 schools, and 20 public housing developments for GI retrofit feasibility analysis and preliminary design. Detailed information on the site selection and design processes for public property retrofit projects can be found in the Citywide Coordination and Implementation section of the Green Infrastructure Annual Reports.

The "Schoolyards to Playgrounds" program, one of PlaNYC 2030's initiatives aimed at ensuring that all New Yorkers live within a ten-minute walk from a park, is a collaboration between the non-profit Trust for Public Land (TPL), DPR, New York City Department of Education (DOE), and New York City School Construction Authority (SCA) to renovate public school playgrounds and extend playground access to surrounding neighborhoods. In 2011, DEP joined TPL, SCA, and DOE funding up to $5M for construction of up to ten GI schoolyards each year for the next four years. The partnership is a successful component of DEP's strategy to leverage public-private partnerships to improve public property using GI retrofits. Six projects have been completed to date. The partnership continues to identify new sites for analysis and design.

Up-to-date information on public property retrofit projects can be found in the Performance Standard for New Development section of the Green Infrastructure Annual Reports.

5.3.c Performance Standard for New Development

DEP's stormwater performance standard ("stormwater rule") enables NYC to manage discharges to the CSS from new developments or major site alterations. Promulgated in July 2012,[3] the stormwater rule requires that any new premises or any requests for sewer site connections to NYC's CSS comply with stricter stormwater release rates, effectively requiring greater on-site detention. DEP's companion document, *Guidelines for the Design and Construction of Stormwater Management Systems,*[4] assists the development community and licensed professionals in the selection, planning, design, and construction of on-site source controls that comply with the stormwater rule.

The stormwater rule applies to new development or the alteration of an existing development in combined sewer areas of NYC. For a new development, the stormwater release rate[5] is required to be 0.25 cubic feet per second (cfs) or 10 percent of the drainage plan allowable flow, whichever is greater.[6] If the allowable flow is less than 0.25 cfs, then the stormwater release rate shall be equal to the allowable flow. For alterations, the stormwater release rate for the altered area will be directly proportional to the ratio of the altered area to the total site area, and no new points of discharge are permitted.[7] As discussed in Section 5.4. below, DEP anticipates that the stormwater rule will contribute to CSO reductions in each priority watershed.

5.3.d Other Private Projects (Grant Program)

Green Infrastructure Grant Program

Since its introduction in 2011, the Grant Program has sought to strengthen public-private partnerships and public engagement in the design, construction and maintenance of GI.

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[3] See Chapter 31 of Title 15 of the *Rules of the City of New York Governing House/Site Connections to the Sewer System*. (New York City, N.Y., Rules, Tit. 15, § 31).

[4] The *Guidelines* are available at DEP's website, at http://www.nyc.gov/html/dep/pdf/green_infrastructure/ stormwater_guidelines_ 2012_final.pdf.

[5] New York City, N.Y., Rules, Tit. 15, § 31-01(b)

[6] Allowable flow is defined as the storm flow from developments based on existing sewer design criteria that can be released into an existing storm or combined sewer.

[7] New York City, N.Y., Rules, Tit. 15, § 31-03(a)(2)

The 2012 CSO Consent Order requires the Grant Program to commit $3M of EBP funds[8] to projects by 2015. DEP met this commitment in 2014.

Green Roof Property Tax Abatement

Since 2008, the NYC Green Roof Tax Abatement (GRTA) has provided a fiscal incentive to install green roofs on private property. DEP has worked with the Mayor's Office of Long Term Planning and Sustainability, the DOB, the Department of Finance (DOF) and the Office of Management and Budget, as well as with environmental advocates and green roof designers, to modify and to extend the GRTA through 2018. DEP has met with stakeholders and incorporated much of their feedback to improve the next version and to help increase the number of green roofs in NYC. Additionally, DEP funded an outreach position to educate applicants and to assist them through the abatement process.

The tax abatement includes an increase to the value of the abatement from $4.50 to $5.23 per square foot, to continue offsetting construction costs by roughly the same value as the original tax abatement. Also, given that rooftop farms tend to be larger than typical green roofs (approximately one acre in size), the abatement value cap was also increased from $100,000 to $200,000 to allow such applicants to receive the full value of the abatement. Finally, based on the amount allocated for this abatement, the total annual amount available for applicants (i.e., in the aggregate) is $750,000 in the first year, and $1,000,000 in each subsequent year through March 15, 2018. The aggregate amount of abatements will be allocated by the DOF on a pro rata basis. More information on the Green Roof Property Tax Abatement can be found in *Green Infrastructure Annual Reports.*

5.3.e Projected vs. Monitoring Results

Pilot Site Monitoring Program

As mentioned above, more than 30 pilot GI practices have been constructed and monitored as part of the pilot program. Quantitative monitoring parameters included:

- Water quantity: inflow, outflow, infiltration, soil moisture and stage.
- Weather: evaporation, rainfall, wind, relative humidity and solar radiation.
- Water/soil quality: diesel/gas, nutrients, TSS, TOC, salts, metals, soil sampling and infiltrated water sampling.

Monitoring efforts focused on the functionality of the GI practices and their impact on runoff rates and volumes, along with water and soil quality and typical maintenance requirements. Quantitative monitoring was conducted primarily through remote monitoring equipment (such as pressure transducer water level loggers) that allowed for monitoring the infiltration and stormwater management performance at five-minute intervals. On-site testing and calibration efforts included infiltration tests and metered

[8] EBP Projects are undertaken by DEP in connection with the settlement of an enforcement action taken by New York State and the New York State Department of Environmental Conservation for violations of New York State law and DEC regulations.

discharges to calibrate flow monitoring equipment and to assess the validity of assumptions used in pilot performance analysis.

Monitoring analyses through 2013 demonstrated that all pilot GI practices are providing effective stormwater management, particularly for storms with depths of one inch or less. All GI practices have provided benefits for storms greater than one inch, with specific impacts varying based upon location and type. In many cases, bioretention practices have fully retained the volume of one inch storms.

Monitoring activities will be discontinued at several sites that have multiple years of performance data and have exhibited relatively consistent performance throughout that period. Further monitoring at these locations may be resumed in the future to further examine long term performance. Monitoring data for these locations is included in the *2012 Pilot Monitoring Report*. In addition, up-to-date information on the Pilot Monitoring Program can be found in the *2013 Green Infrastructure Annual Report*.

Neighborhood Demonstration Area Projects

The objective of DEP's Demonstration Projects is to maximize the management and control of stormwater runoff near where it is generated, and then to monitor the reduction of combined sewage originating from identified sub-TDAs. DEP's PCM Report documented the performance of installed GI practices in the demonstration areas and was submitted to DEC in August 2014. After receiving comments from DEC, the report was resubmitted in January 2015. The 2016 Performance Metrics Report will relate the benefits of CSO reduction associated with the type and number of GI constructed, and detail methods by which DEP will calculate the CSO reduction benefits in the future.

The three Demonstration Projects were selected because the existing sewers flow in a single combined sewer pipe of a certain size to a receiving manhole where monitoring could take place. In each of the Demonstration Projects, DEP identified GI opportunities in the ROW, and on-site at NYC-owned property.

The combined sewer flow reductions achieved by built GI practices were monitored through the collection of high quality flow monitoring data at the point at which the CSS exits the Demonstration Project area's delineated sub-drainage tributary area. Monitoring activities consisted of recording combined flow and depth and using meters placed within a key outlet sewer at a manhole. Data acquisition was continuous, with measurements recorded at 15-minute intervals.

Data collection continued for approximately one-year each for pre- and post-construction. Subsequent analysis involved a review of changes in pervious and impervious surface coverage between pre- and post-construction conditions, consisting of several elements, including statistical analyses. This statistical analysis will enable DEP to determine the overall amount of combined flow reduction within the Demonstration Project's tributary area and the impervious area managed associated with GI practices implemented at scale.

Project data collected will be used to calibrate the IW computer model to the monitored flows for pre- and post-construction conditions. Post-construction performance data will be used to ensure that retention modeling techniques adequately account for the degree of flow reduction within TDAs with planned GI and equivalent CSO volume reductions.

5.4 Future Green Infrastructure in the Watershed

5.4.a Relationship Between Stormwater Capture and CSO Reduction

The modeling approach described here outlines how CSO reductions are projected for waterbody-specific projected GI penetration rates (see Section 6). Potential CSO reduction, and load reduction, through stormwater capture in the Coney Island Creek was evaluated using the landside model, developed in IW modeling software, based on the extent of GI (retention and detention) practices in combined sewer areas. The extent of stormwater capture from GI projects is configured in terms of a percent of impervious cover where one inch of stormwater is managed through different types of GI practices. Due to their distributed locations within a subcatchment, retention for different GI practices is lumped on a subcatchment level in the landside model. This is also due to the fact that the landside model does not include small combined sewers and cannot model them in a distributed manner. Retention is modeled with the applicable storage and/or infiltration elements. Similarly, the distributed detention locations within a subcatchment are represented as a lumped detention tank, with the applicable storage volume and constricted outlet configured based on allowable peak flows from their respective subcatchment. Modeling methods designed during the development of DEP's GI Plan have been refined over time to better characterize the retention and detention functions.

5.4.b Opportunities for Cost-Effective CSO Reduction Analysis

For each LTCP, the citywide target for managing one inch of precipitation on 10-percent impervious area in combined sewered areas has been broken out into estimated targets for each waterbody and used to calculate the baseline CSO reductions from GI projects. The estimated targets for each waterbody are the best information available because the GI implementation is being carried out simultaneous to the LTCP's development. At this time, there are no additional GI projects identified in the watershed that would exceed the baseline target rate (as described above and below). The Green Infrastructure Program will be implemented through 2030 and the final penetration rate will be reassessed as part of the adaptive management approach.

5.4.c Watershed Planning to Determine 20 Year Penetration Rate for Inclusion in Baseline Performance

DEP has developed a waterbody prioritization system described above in Section 5.2. This approach builds upon existing data and generates informed estimates.

Waterbody-specific penetration rates for GI are estimated based on the best available information from modeling efforts, WWFPs, the GI Plan, CSO outfall tiers data, and historic building permits.

The following criteria were applied to compare and prioritize watersheds in order to determine waterbody-specific GI penetration rates:

- Water Quality Standards (WQS)
  - Fecal Coliform
  - Total Coliform
  - Dissolved Oxygen
- Cost-effective grey investments

  - Planned/constructed grey investments
  - Projected CSO volume reductions
  - Remaining CSO volumes
  - Total capital costs

- Additional considerations:
  - Background water quality conditions
  - Public concerns and demand for recreational uses
  - Site-specific limitations (i.e., groundwater, bedrock, soil types, etc.)
  - Presence of high frequency outfalls
  - Eliminated or deferred CSO storage facilities
  - Additional planned CSO controls not captured in WWFPs or 2012 CSO Consent Order (i.e., high level storm sewers [HLSS])

The overall goal for this prioritization is to saturate GI implementation rates within the priority watersheds, such that the total managed impervious acres will be maximized based on the specific opportunities and field conditions in Coney Island Creek, as well as costs.

Green Infrastructure Baseline Penetration Rate – Coney Island Creek

Applying the above criteria, Coney Island Creek, which has a total tributary combined sewer impervious area of 3,120 acres, is not a priority target area for DEP's Green Infrastructure Program. DEP projects that by 2030, GI penetration rates will manage one percent of the impervious surfaces within the Coney Island Creek combined sewer service area due to ROW practices, public property retrofits, and GI implementation on private properties. This projection also includes conservatively estimating new development trends based on DOB building permit data to account for compliance with DEP's citywide stormwater performance standard during the years 2013-2030.

Furthermore, as LTCPs are developed, baseline GI penetration rates for specific watersheds may be adjusted based on the adaptive management approach described above in Section 5.2. As more information on field conditions, feasibility, and costs becomes known, and as GI projects progress, DEP will continue to model the GI penetration rates and seek to make necessary adjustments as appropriate.

6.0 BASELINE CONDITIONS AND PERFORMANCE GAP

The key to the development of the Coney Island Creek LTCP is the assessment of water quality using applicable WQS within the waterbody. Water quality was assessed using the CICWQM, verified with both Harbor Survey and the synoptic water quality data collected in 2014. The InfoWorks CS™ (IW) sewer system model was used to provide flows and loads from intermittent wet-weather sources as input to the CICWQM model.

The assessment of water quality described herein began with a baseline condition simulation to determine the future bacterial levels without additional CSO controls. Next, a simulation was performed to determine bacteria levels under the assumption of 100% CSO control within the creek. The baseline condition was then compared to the 100% CSO control simulation. The gap between the two scenarios was then assessed to determine whether bacteria criteria could be attained through application of CSO controls. Continuous water quality simulations were performed to evaluate the gap between the calculated baseline bacteria and DO levels and both the Existing WQ Criteria and Next Higher Use Classifications. As detailed below, a one-year simulation using 2008 JFK Airport rainfall was performed for bacteria and DO. This simulation served as a basis for evaluating the control alternatives presented in Section 8.0.

This section of the LTCP describes the baseline conditions, the bacteria concentrations and loads calculated by the IW model, and the resulting bacteria concentrations calculated by the CICWQM. It further describes the gap between calculated baseline bacteria concentrations and both the existing and potential future WQS. The section also assesses whether the gap could be closed through CSO reductions alone (100% CSO control).

6.1 Define Baseline Conditions

Establishing baseline conditions is an important step in the LTCP process. Baseline conditions are used to compare and contrast the effectiveness of CSO controls and to predict whether water quality goals would be attained after implementing the preferred LTCP alternative. Baseline conditions for this LTCP were established in accordance with guidance set forth by the DEC to represent future conditions. Specifically, these conditions included the following assumptions:

- Dry-weather flow and loads based on CY2040 projections.
- The Owls Head WWTP accepting and treating peak flows at 2xDDWF during wet-weather events.
- Green Infrastructure in one percent of the impervious surfaces within the CSS service area.
- Cost-effective Grey Infrastructure CSO controls included in the 2012 CSO Consent Order. For Coney Island Creek this includes the recently completed Avenue V Pumping Station upgraded to 80 MGD and associated new force mains to convey the flow.
- Precipitation characteristics from 2008 at the JFK rainfall gauge which has been selected as the typical year rainfall.

Mathematical modeling tools were used to calculate the CSO volume and loads and their impacts on water quality. The performance gap was assessed by comparing the baseline conditions with WQS. Complete removal or control of CSO loadings was also evaluated. Further analyses were conducted for CSO control alternatives as presented in Section 8.0.

The IW model was used to develop stormwater flows, conveyance system flows and CSO volumes within Coney Island Creek sewershed for a defined set of future or baseline conditions. For the Coney Island Creek LTCP, the baseline conditions were developed in a manner consistent with the earlier WWFPs for other waterbodies. However, based on more recent data, as well as on the public comments received on those WWFPs, DEP updated some baseline condition model input data to reflect both more recent meteorological conditions and more current operating characteristics of various collection and conveyance system components. In addition, the mathematical models were updated from their configurations and levels of calibration developed and documented prior to this LTCP. IW model modifications reflected a better understanding of sources, catchment areas and new or upgraded physical components of the system. A model recalibration report was issued in 2012 (*InfoWorks Citywide Recalibration Report, June 2012a*) that used improved impervious surface satellite data. Water quality modeling was conducted using a version of CICWQM with updated bathymetry and finer grid resolution than for the Coney Island Creek WWFP. Updates to the IW model and the water quality model are described in *Coney Island Creek LTCP Sewer System and Water Quality Modeling Report (DEP, 2016).* The updated IW model network was used to estimate CSO volumes and loads for the baseline conditions. It also was used as a tool to estimate CSO volumes and loads resulting from CSO control alternatives evaluated in Section 8.0.

The baseline modeling conditions primarily related to DWF rates, wet-weather capacity for the Owls Head WWTP, sewer conditions, loadings and boundary conditions, precipitation conditions and dry-weather flow rates and tidal boundary conditions:

- **Rainfall/Tides:** The 2008 year rainfall and tides were used in the model, in addition to evaluating a 10-year period (2002-2011).

- **Dry-Weather Flows:** The 2040 projected dry-weather flow rates at the Owls Head WWTP is 85 MGD.

- **Wet-Weather Capacity**: The rated wet-weather capacity at the Owls Head WWTP is 240 MGD (2xDDWF).

- **Sewer Conditions**: The IW model was developed to represent the sewer system on a macro scale, generally including all conveyance elements with equivalent diameters of 48 inches or larger, as well as regulating structures and CSO outfall pipes. Post-Interceptor cleaning levels of sediments were also included for the interceptors in the collection system to better reflect actual conveyance capacities to the WWTPs.

6.1.a Hydrological Conditions

For this LTCP, the precipitation characteristics for 2008 were used for the baseline condition, as well as for alternatives evaluations and were considered to be representative of a typical rainfall year. In addition to the 2008 precipitation pattern, 2008 observed tide conditions were also applied in the model.

6.1.b Flow Conservation

Consistent with previous studies, the dry-weather sanitary sewage flows used in the baseline modeling were escalated to reflect anticipated population growth in NYC. In 2014, DEP completed a detailed analysis of water demand and wastewater flow projections. A comprehensive GIS analysis was performed to apportion total population among the 14 WWTP drainage areas throughout NYC. For this analysis, Transportation Analysis Zones were overlaid with WWTP drainage areas. Population projections for 2010-2040 were derived from population projections developed by DCP and New York Metropolitan Transportation Council. These analyses used the 2010 census data to reassign population values to the watersheds in the model and project sanitary flows to 2040. These projections also reflect water conservation measures that already have significantly reduced flows to the WWTPs and freed capacity in the conveyance system.

6.1.c Best Management Practices Findings and Optimization

A list of BMPs, together with a brief summary of each and its respective relationship to the EPA NMC were reported in Section 3.0, as they pertain to Coney Island Creek CSOs. In general, the BMPs address operation and maintenance procedures, maximum use of existing systems and facilities and related planning efforts to maximize capture of CSO and reduce contaminants in the CSS, thereby improving water quality conditions.

The following provides an overview of the specific elements of various DEP, SPDES and BMP activities as they relate to the development of the baseline conditions, specifically in developing and using the IW models to simulate CSO discharges and in establishing non-CSO discharges that impact water quality in the Coney Island Creek:

- Sentinel Monitoring: In accordance with BMPs #1 and #5, DEP collects quarterly samples of bacteria water quality at one location in the Coney Island Creek (near Station C-5 as established for this LTCP and shown in Section 2) in dry-weather to assess whether dry-weather sewage overflows occur, or whether illicit connections to storm sewers exist. Evidence of illicit sanitary sewer connections was observed based on these data. Although illicit sources were included in the water quality model calibration exercises to accurately simulate the observed ambient bacteria concentrations, these sources were excluded from the baseline conditions, to reflect future corrected conditions.

- Interceptor Sediments: Sewer sediment levels determined through the post-cleaning inspections are included in the IW model.

- Combined Sewer Sediments: The IW models assume no sediment in upstream combined trunk sewers in accordance with BMP #2.

- WWTP Flow Maximization: In accordance with the 2014 CSO BMP Consent Order, the Owls Head WWTP treats wet-weather flows that are conveyed to the plant, up to 2XDDW. DEP follows the wet-weather operating plan and receives and regularly treats 2xDDWF. Cleaning of the interceptor sediments has increased the ability of the system to convey 2xDDWF to the WWTP.

- Wet Weather Operation Plan: The Owls Head WWOP (BMP #4) establishes procedures for pumping at the plant headworks to assure treatment of 2xDDWF.

6.1.d Elements of Facility Plan and GI Plan

Cost-effective grey infrastructure for the Coney Island Creek watershed included in the 2012 CSO Consent Order has been represented in the IW and water quality models as a baseline condition. The grey infrastructure includes the recently completed Avenue V Pumping Station upgrade and expansion to 80 MGD and associated new force mains that convey up to 80 MGD to the Owls Head collection system.

The GI plan for Coney Island Creek is also included in the baseline modeling. A GI application of one percent of the impervious surfaces through on-site detention has been assumed in the baseline modeling.

6.1.e Non-CSO Discharges

Over approximately the past 30 years, DEP has invested heavily in mapping and delineating combined sewer drainage areas and piping systems as part of CSO facility planning and waterbody watershed facility planning efforts. Non-CSO drainage areas historically have not received the same level of effort. Non-CSO drainage areas were first identified during WWFP activities as land areas that were not contained within the CSO drainage areas. They were labeled as direct drainage and stormwater drainage areas but that distinction had no real meaning because both areas were assigned the same runoff characteristics. As part of LTCP, DEP has sought to better define these areas. Direct drainage areas (parks, cemeteries, large un-occupied open areas, etc.) are now assigned lower pathogen runoff concentrations than those assigned to more urbanized non-CSO (residential, commercial areas with a separate storm sewer system) drainage areas. In addition, a category of highway runoff has been established, although in many cases the highway runoff is grouped with other stormwater discharges.

In several sections of the Coney Island Creek drainage area, runoff drains directly to receiving waters via overland flow, open channels, or privately owned pipes, without entering the combined system or NYC separate storm sewer system. These areas were depicted as “Direct Drainage” in Figure 6-1 and were estimated based on topography and the direction of stormwater runoff flow in those areas. In general, shoreline areas adjacent to waterbodies comprise the direct drainage category, as they consist of parks and marinas, as well as many sections of highways adjacent to Coney Island Creek.

6.2 Baseline Conditions – Projected CSO Volumes and Loadings after the Facility Plan and GI Plan

As previously noted, the IW model was used to develop CSO volumes for the baseline conditions incorporating implementation of a one percent GI build-out and of grey infrastructure. Using these overflow volumes, loadings from the CSOs were generated using the enterococci, fecal coliform and BOD concentrations and provided input to the receiving water quality model, CICWQM. CICWQM was assessed using 2014 monitoring data collected during the Coney Island Creek LTCP, Harbor Survey Program data, and 2014 Sentinel Monitoring data. The assessment consisted of comparing the time series and cumulative frequency distributions of 2014 collected concentration data against the time series and cumulative frequency distribution output from the model for storms of similar sizes.

In addition to CSO loadings, storm sewer discharges and direct drainage also impact the water quality in the Coney Island Creek. The concentrations assigned to the various sources to Coney Island Creek are summarized in Table 6-1. Concentrations in Table 6-1 represent typical stormwater, direct drainage and sanitary sewage concentrations for the Coney Island Creek drainage area and are based on water quality data collected from the Coney Island Creek area.

For the modeling simulations, CSO concentrations were calculated using the stormwater and sanitary concentrations assigned in Table 6-1, multiplied by the flow calculated by the IW model. The model provides a calculated fraction of flow from stormwater and flow from sanitary sources, as follows:

$$C_{cso} = fr_{san}*C_{san} + fr_{sw}*C_{sw}$$

where: C_{cso} = CSO concentration

C_{san} = sanitary concentration

C_{sw} = stormwater concentration

fr_{san} = fraction of flow that is sanitary

fr_{sw} = fraction of flow that is stormwater

Table 6-1. Source Concentrations from NYC Sources

Source	Enterococci (cfu/100mL)	Fecal Coliform (cfu/100mL)	BOD_5 (mg/L)
Urban Stormwater(2)	27,600	27,100	9
CSOs (OH-021)(1)	Monte Carlo	Monte Carlo	Mass Balance (Sanitary = 168)
Sanitary for Mass Balance CSOs (OH-015)(1)	1,000,000	4,000,000	Mass Balance (Sanitary = 168)
Highway Runoff(3)	7,000	12,000	9
Direct Drainage(3)	6,000	4,000	9

Notes:
(1) Coney Island Creek LTCP Sewer System and Water Quality Modeling, 2016. Outfall OH-15 is included in the model domain, but does not discharge directly into Coney Island Creek.
(2) Measured data.
(3) Basis – NYS Stormwater Manual, Charles River LTCP, National Stormwater Data Base.

MS4 areas in the IW model have been updated with areas based on desk-top analysis conducted by DEP. Non-MS4 stormwater areas and direct drainage areas are meant to represent the remaining areas of the drainage areas, and do not always consider the drainage area of each individual outfall. Figure 6-1 presents the IW subcatchments within the drainage area of Coney Island Creek.

Typical baseline volumes of CSO, stormwater and direct drainage to the Coney Island Creek are summarized in Table 6-2 for the 2008 year. The specific SPDES permitted outfalls associated with these sources were shown in Figure 2-12. Additional tables summarizing annual volumes and loadings can be found in Appendix A. The information in these tables is provided for the 2008 rainfall condition.

Table 6-2. 2008 Baseline Loading Summary

Totals by Source by Waterbody		Volume	Enterococci	Fecal Coliform	BOD
Waterbody	**Source**	**Total Discharge (MG/yr)**	**Total Org (10^12/yr)**	**Total Org (10^12/yr)**	**Total Lbs/yr**
Coney Island Creek	CSO	75	585	1,078	11,176
	MS4 Stormwater	1,259	1,278	1,265	94,486
	Non-MS4 Stormwater	21	14	19	1,618
	Direct Drainage	44	11	7	3,494
Total		**1,405**	**1,399**	**1,888**	**2,369**
Gravesend Bay	Bay CSO	1,106	6,931	24,577	298,088
	Bay Stormwater	105	127	104	7,880
	Bay Direct Drainage	131	30	20	9,897
Total		**1,391**	**1,342**	**7,088**	**24,701**

OH-021 is the only CSO that discharges directly into Coney Island Creek, as shown in Table 6-3. It overflows one to two times per month on average for 2008 conditions. The loading for the CSO was developed using the Monte Carlo approach based on sampling data.

Table 6-3. 2008 CSO Volume and Overflows per Year

CSO	Volume[(1)]	Annual Overflow Events
	Total Discharge (MG/yr)	**Total (No./yr)**
OH-021	75	20
Total	75	20

Notes:
(1) Volumes are rounded to the nearest MG.

The total annual volume and average source loadings based on the 2008 year are shown in Table 6-2. The location of the Coney Island Creek SPDES permitted outfalls are depicted in Figure 6-1.

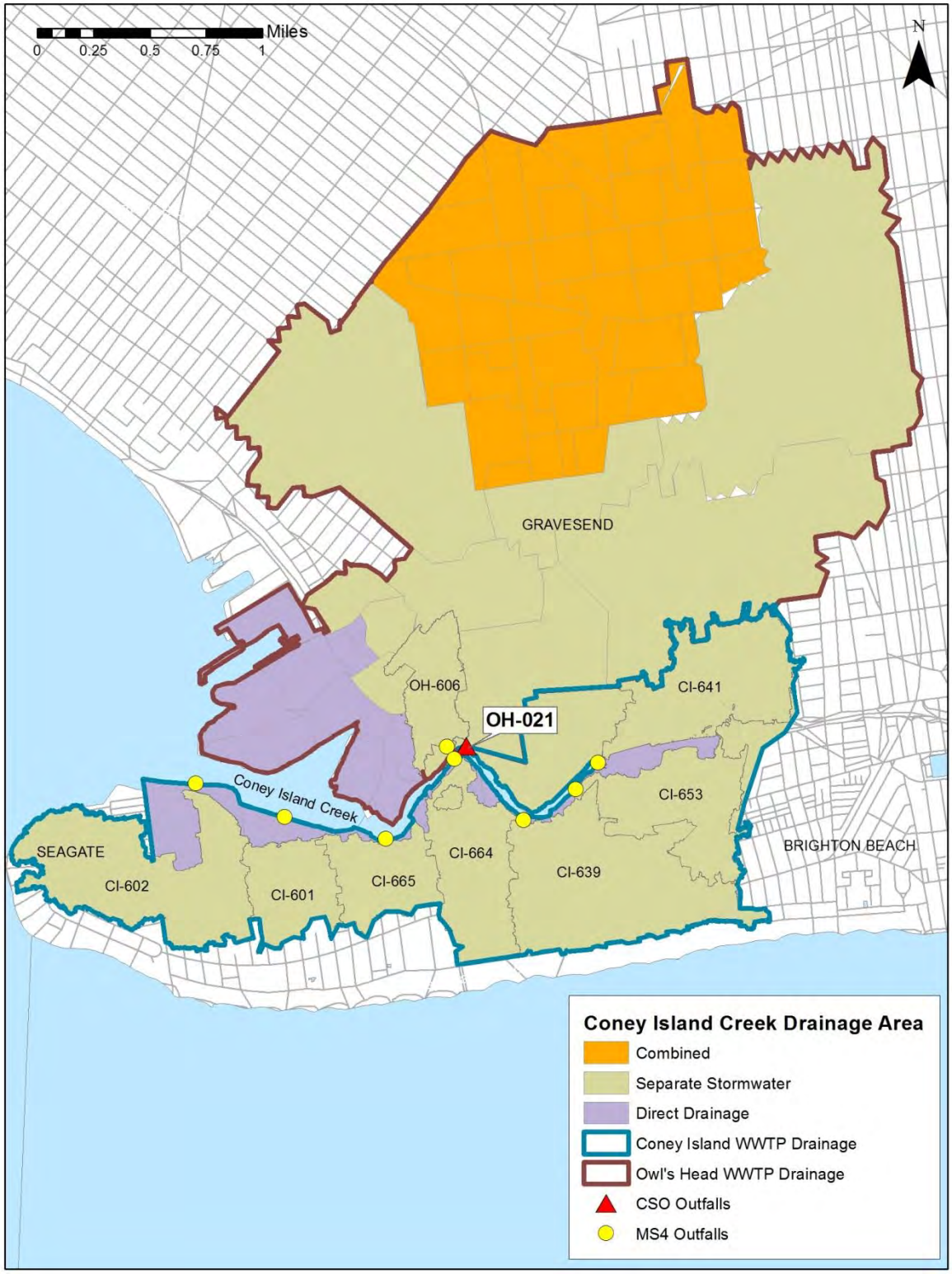


Figure 6-1. InfoWorks Subcatchments within Coney Island Creek

6.3 Performance Gap

Bacteria and DO concentrations in Coney Island Creek are controlled by a number of factors, including the volumes of all sources into the waterbodies, the concentrations of the respective loadings, and by the exchange of tidal flow with Gravesend Bay. Because much of the flow and loads discharged into this waterbody are the result of runoff from rainfall events, the frequency, duration and amounts of rainfall strongly influence the Coney Island Creek's water quality.

The CICWQM was used to simulate bacteria and DO concentrations for the baseline conditions using 2008 rainfall and tidal data. Hourly model calculations were saved for post-processing and comparison with the Existing WQ Criteria, Primary Contact Criteria and the Potential Future Primary Contact WQ Criteria for bacteria, as well as designated and next higher use classifications for DO, as discussed in Section 6.3.c. The performance gap was then developed as the difference between the model calculated baseline waterbody DO and bacteria concentrations, and the applicable numerical WQS. The analysis is developed to address the following three sets of criteria:

- Existing WQ Criteria (Class I);
- Primary Contact WQ Criteria (Class SC) and DO next higher use classification, and;
- Potential Future Primary Contact Recreational WQ Criteria (2012 EPA RWQC).

Within the following sections, analyses are described that reflect the differences in attainment both spatially and temporally. The temporal assessment focuses on compliance with the applicable fecal coliform water quality criteria over the entire year and in the case of enterococci, during the recreational season of May 1st through October 31st. Attainment was evaluated for the LTCP sampling stations shown in Section 2, Figure 2-19.

A summary of the criteria that were applied is shown in Table 6-4. Analyses in this LTCP were performed using the 30-day rolling Geometric Mean of 30 cfu/100mL and the STV of 110 cfu/100mL for enterococci.

Table 6-4. Classifications and Standards Applied

Analysis	Numerical Criteria Applied	
Existing WQ Criteria	Class I	Fecal Monthly GM ≤ 200; DO never <4.0 mg/L
Primary Contact WQ Criteria(1) / DO Class SC	Class SC	Fecal Monthly GM ≤ 200 Daily Average DO ≥ 4.8 mg/L; DO never < 3.0 mg/L
Potential Future Primary Contact WQ Criteria(2)	Entero: rolling 30-d GM – 30 cfu/100mL Entero: STV – 110 cfu/100mL	

Notes:
GM = Geometric Mean; STV = 90 Percent Statistical Threshold Value
(1) This water quality standard is not currently assigned to the saline Coney Island Creek.
(2) DEC has not yet adopted the Potential Future Primary Contact WQ Criteria.

6.3.a CSO Volumes and Loadings Needed to Attain Current Water Quality Standards

Assessing the performance gap required calculating the Coney Island Creek fecal coliform concentrations under baseline conditions and then establishing whether the gap could be closed through reductions to, or control of, CSO overflows. The assessment was to determine whether the Coney Island Creek water quality would meet Existing WQ Criteria.

2008 Annual Rainfall Simulation – Bacteria

A one-year simulation of bacteria water quality was performed for the 2008 baseline loading conditions, assuming all known dry-weather illicit discharges have been eliminated. The results of these simulations are summarized in Table 6-5. The results shown in this table summarize the highest calculated monthly GM on an annual basis and during the recreational season (May 1st through October 31st). The maximum monthly GM is presented for each sampling location in Coney Island Creek.

Table 6-5. Calculated 2008 Baseline Fecal Coliform Maximum Monthly GM and Attainment of Existing WQ Criteria

Station		Maximum Monthly Geometric Means (cfu/100mL)		% Attainment	
		Annual	Recreational Season	Annual	Recreational Season(1)
CI-1	Class I	1,600	99	58	100
CI-2		1,497	96	58	100
CI-3		858	56	75	100
CI-4		300	25	83	100
CI-5		276	25	83	100
CI-6		185	21	100	100
CI-7		157	16	100	100

Notes:
(1) The Recreational Season is from May 1st through October 31st. Class I standard of fecal coliform is 200 cfu/100ml.

Table 6-5 presents the annual attainment (percent) of the fecal coliform GM criterion of 200 cfu/100mL. Fecal coliform geometric means are higher near the head end of the creek and decrease toward the mouth. On an annual basis the percent attainment is low at the upper end of the creek with five months exceeding the criteria. All five of these months fall within the non-recreation season due to rainfall patterns and lower ambient water column temperatures that result in lower bacteria die-off rates. The recreation season is calculated to have 100% attainment of the criteria.

2008 Annual Rainfall Simulation – Dissolved Oxygen

Water quality model simulation DO attainment results are presented in Table 6-6 for year 2008 conditions as calculated for the entire water column. When assessing the water column in its entirety, attainment of the DO criterion is very high. With the exception of the very head end of the creek, all of the station locations that were assessed have a water column annual attainment of 95 percent or greater for year

2008 conditions. CSO OH-021 does not discharge at the head end of the creek, so other factors in addition to CSO discharges contribute to non-attainment of the Class I DO criterion at Station CI-1.

Table 6-6. Model Calculated Baseline DO Attainment – Existing WQ Criteria (2008)

Station		Annual Attainment (%)
		Entire Water Column
		>=4.0 mg/L
CI-1	Class I	90
CI-2		95
CI-3		96
CI-4		98
CI-5		99
CI-6		99
CI-7		99

Table 6-7 presents a comparison of the Class I DO criterion attainment under baseline and 100% CSO control. The model generally calculates changes of only a one or two percent improvement in attainment with the DO criterion. Thus, CSO loads are only a contributing factor and not the controlling factor for DO concentrations that are lower than the criterion, and CSO controls will not improve DO concentrations substantially. This is not unexpected inasmuch as the DO in Coney Island Creek is also affected by stormwater loads, eutrophication, and poor tidal flushing.

Table 6-7. Model Calculated Baseline and 100% CSO Control DO Attainment – Existing WQ Criteria (2008)

Station		Annual Attainment Percent Attainment (Water Column)	
		Baseline	100% Coney Island Creek CSO Control
CI-1	Class I	90	92
CI-2		95	96
CI-3		96	97
CI-4		98	98
CI-5		99	99
CI-6		99	99
CI-7		99	99

6.3.b CSO Volumes and Loadings that Would be Needed to Support the Next Highest Use or Swimmable/Fishable Uses

Bacteria

The next highest use for Coney Island Creek is Class SC with fishing being the best usage. As of November 2015, DEC now requires Class SD and I waterbodies meet the primary contact bacteria criteria. The primary contact fecal coliform criterion is a monthly GM less than or equal to 200 cfu/100mL.

The 2008 baseline condition scenario was rerun with the Coney Island Creek CSO loadings removed. This projection represents the maximum possible reduction of Coney Island Creek CSO loads and is referred to as the 100% CSO control scenario. It should, however, be noted that CSO OH-015 discharges into Gravesend Bay and remained at baseline conditions for this CSO control scenario. All other conditions from the baseline projection remain unchanged in the 100% CSO control scenario. Table 6-8 presents the maximum monthly fecal coliform GM concentration and the annual attainment of the Class SC criterion for fecal coliform.

Table 6-8. Comparison of the Calculated 2008 Baseline and 100% Coney Island Creek CSO Control Fecal Coliform Maximum Monthly GM and Attainment of Bacteria Primary Contact WQ Criteria

Station		Maximum Monthly Geometric Means (Annual)		% Attainment (Annual)	
		Baseline	100% CSO Control	Baseline	100% CSO Control
CI-1	Class SC	1,600	1,536	58	58
CI-2		1,497	1,434	58	58
CI-3		858	809	75	75
CI-4		300	283	83	83
CI-5		276	261	83	83
CI-6		185	182	100	100
CI-7		157	153	100	100

Table 6-8 shows that the CSO is a relatively minor contributor to the maximum monthly fecal coliform GM. The largest impact of the CSO control is calculated at the head end where there is a decrease of 64 cfu/100mL from the baseline GM of 1,600 cfu/100mL. This is not unexpected inasmuch as the upgrade of the Avenue V Pumping Station, which is included in the baseline, has resulted in a significant decrease in the annual CSO volume from 275 million gallons per year (MGY) to 74 MGY and number of CSO activations from 54 to 20 activations per year. The results also indicate there is no change in attainment of the Class SC fecal coliform criterion due to the complete control of Coney Island Creek CSO loadings. Based on these results, the complete control of Coney Island Creek CSO loadings will not alone close the gap between the 2008 baseline attainment of the Class SC fecal coliform criterion and full annual attainment. The remaining non-attainment, all of which occurs during the non-recreational season (November 1st through April 30th), is attributable to non-CSO sources.

Dissolved Oxygen

The attainment of the DO Class SC criteria for the entire water column is presented in Table 6-9, respectively, for the baseline and 100% Coney Island Creek CSO control conditions. The attainment of the Class SC daily average of greater than or equal to 4.8 mg/L is lower than the 95 percent annual target in the upper portion of the creek, but reaches the target by Station CI-5. Attainment of the never-less-than 3.0 mg/L DO criterion is met at least 95 percent of the time throughout the creek on an annual basis for the 2008 baseline conditions. 100% CSO control does not result in significant improvements in attainment of the Class SC criterion, and as such does not close the gap between attainment and non-attainment.

Table 6-9. Model Calculated 2008 Baseline and 100% CSO Control DO Attainment of Class SC/SB WQ Criteria

Station		Annual Attainment Percent Attainment (Water Column)			
		Baseline		100% Coney Island Creek CSO Control	
		≥ 4.8 mg/L	>3.0 mg/L	≥ 4.8 mg/L	> 3.0 mg/L
CI-1	Class SC	82	95	86	97
CI-2		92	98	93	98
CI-3		92	99	93	99
CI-4		94	100	94	100
CI-5		95	100	95	100
CI-6		95	100	95	100
CI-7		97	100	97	100

6.3.c Potential Future Primary Contact WQ Criteria

As noted in Section 2.0, EPA released its RWQC recommendations in December 2012. These included recommendations for recreational water quality criteria for protecting human health in all coastal and non-coastal waters designated for primary contact recreation use. The standards would include a rolling 30-day GM of either 30 cfu/100mL or 35 cfu/100mL and a 90th percentile STV during the rolling 30-day period of either 110 cfu/100mL or 130 cfu/100mL. An analysis using the 2008 baseline and 100% CSO control condition model simulation results was conducted using both the 30 cfu/100mL GM and 110 cfu/100mL 90th percentile STV criteria, to assess attainment with these potential future RWQC.

6.3.d Load Reductions Needed to Attain the Potential Future Primary Contact WQ Criteria

Additional water quality modeling analyses were performed to assess the extent to which CSO and non-CSO sources impact enterococci concentrations at key locations in Coney Island Creek. That analysis consisted of first assessing the baseline conditions for enterococci and then determining whether complete Coney Island Creek CSO elimination could close the gap between the baseline conditions and the potential future recreational water quality criterion of a 30-day rolling GM enterococci concentration of 30 cfu/100mL. The results of the analyses are presented in Table 6-10 for the maximum 30-day GM and attainment of the rolling 30-day GM criterion. All results are for the attainment of the Potential Future Primary Contact WQ Criteria during the May 1st through October 31st recreational season, as defined by the DEC.

Table 6-10. Calculated 2008 Baseline Enterococci Maximum 30-day GM and Seasonal Attainment of Potential Future Primary Contact WQ Criteria

Station		Maximum Recreational Season 30-day Enterococci (cfu/100mL)		% Attainment (Seasonal)	
		GM	90th Percentile STV	GM	90th Percentile STV
CI-1	Saline	155	5,203	52	0
CI-2		151	5,285	53	0
CI-3		83	2,524	70	2
CI-4		28	809	100	10
CI-5		27	857	100	10
CI-6		12	252	100	69
CI-7		11	262	100	65

Attainment of the potential future primary contact GM criterion is poor in the upper end of the creek for 2008 baseline conditions with attainment ranging from 52 to 70 percent for the recreation season. The upper end of the creek has less volume to dilute incoming bacteria loading and has reduced tidal flushing. The lower end of the creek has full attainment of the GM criterion under these conditions. Table 6-10 shows there is essentially no attainment of the 90th percentile STV criterion in the upper end of the creek and ranges between 10 and 69 percent in the lower end of the creek.

Water quality modeling analyses conducted to assess attainment of the enterococci criteria with complete removal of the CSO enterococci loadings, as provided in Table 6-11, show marginal increases in attainment of the 30-day GM criterion of 0 to 5 percent. Even with complete Coney Island Creek CSO control, the enterococci criterion of a maximum GM of 30 cfu/100mL is not attained at Stations CI-1 through CI-3 but would be attained in the lower portions of Coney Island Creek. There are also small improvements in the attainment of the 90th percentile STV criterion, but those are insufficient to achieve compliance with the standard.

Table 6-11. Calculated 2008 100% CSO Control Enterococci Maximum 30-day GM and Attainment of Potential Future Primary Contact WQ Criteria

Station		Maximum Recreational Season 30-day Enterococci (cfu/100mL)		% Attainment	
		GM	90th Percentile STV	GM	90th Percentile STV
CI-1	Saline	155	4,844	54	0
CI-2		151	4,997	56	0
CI-3		83	2,306	75	2
CI-4		28	611	100	10
CI-5		27	627	100	11
CI-6		12	207	100	71
CI-7		11	218	100	69

A load source component analysis was conducted for the 2008 baseline condition using JFK Airport rainfall data, to better understand of how each source type contributes to bacteria concentrations in

Coney Island Creek. The source types include CSO, stormwater, direct drainage, sources to Gravesend Bay and the boundary (Hudson River). Stormwater was not broken down into MS4 and non-MS4 stormwater because non-MS4 stormwater represents less than two percent of the stormwater fecal coliform loading. The analysis included the calculation of fecal coliform and enterococci bacteria GMs in total and from each component. For fecal coliform, a maximum winter month (December) was analyzed because the decay rate is lower in winter, resulting in generally higher fecal coliform concentrations. Enterococci was evaluated on a recreational season (May 1st through October 31st) basis. The 30-day period chosen for the enterococci component analysis included both the maximum 30-day period and the 30-day period where the maximum contribution of CSOs to the geometric mean was observed.

Table 6-12 summarizes the fecal coliform component analysis for the maximum winter month during 2008 for Coney Island Creek. The fecal coliform criterion is exceeded during this maximum winter month (December) at Stations CI-1 through CI-5. The maximum monthly CSO contribution is 64 cfu/100mL at Station CI-1. If DEP were to fully control the CSOs, there would be no changes from the current non-attainment of the Primary Contact WQ Criteria (Class SC) fecal coliform criterion, as reductions from other sources would still be required.

Table 6-12 also summarizes the enterococci component analysis. Two analyses were conducted, one for the period with the maximum 30-day GM, and one for the period with the maximum CSO contribution to the 30-day GM. The period with the maximum enterococci 30-day GM has no CSO contribution and is primarily the result of stormwater sources. During the period of maximum CSO contribution, CI-2 has the largest contribution from CSO at 18 cfu/100mL. Therefore, CSO alone would not be responsible for an exceedance of the 30-day GM criterion under 2008 baseline conditions during the recreation season.

Table 6-12. Fecal and Enterococci GM Source Components

Source	Station	Fecal Coliform Contribution (cfu/100mL)	Enterococcus Contribution (cfu/100mL)	Enterococcus Contribution (cfu/100mL)
		Annual Worst Month December Monthly GM	Max 30-Day Rolling GM during the Recreational Season (May 1st through October 31st)	Max(1) 30-Day Rolling GM during the Recreational Season (May 1st through October 31st)
CSO	CI-1	64	0	17
Stormwater	CI-1	1,433	148	88
Direct Drainage	CI-1	71	5	3
Bay Sources	CI-1	9	0	0
Boundary	CI-1	23	2	1
Total	CI-1	**1,600**	**155**	**109**
CSO	CI-2	63	0	18
Stormwater	CI-2	1,342	145	84
Direct Drainage	CI-2	54	3	2
Bay Sources	CI-2	10	0	0
Boundary	CI-2	28	2	1
Total	CI-2	**1,497**	**151**	**105**
CSO	CI-3	49	0	10
Stormwater	CI-3	721	77	44
Direct Drainage	CI-3	26	2	2
Bay Sources	CI-3	18	0	0

Table 6-12. Fecal and Enterococci GM Source Components

Source	Station	Fecal Coliform Contribution (cfu/100mL)	Enterococcus Contribution (cfu/100mL)	Enterococcus Contribution (cfu/100mL)
		Annual Worst Month December Monthly GM	Max 30-Day Rolling GM during the Recreational Season (May 1st through October 31st)	Max(1) 30-Day Rolling GM during the Recreational Season (May 1st through October 31st)
Boundary	CI-3	44	1	1
Total	CI-3	**858**	**83**	**57**
CSO	CI-4	17	0	3
Stormwater	CI-4	177	22	13
Direct Drainage	CI-4	12	1	1
Bay Sources	CI-4	29	1	0
Boundary	CI-4	65	5	2
Total	CI-4	**300**	**28**	**19**
CSO	CI-5	15	0	3
Stormwater	CI-5	155	21	12
Direct Drainage	CI-5	10	1	1
Bay Sources	CI-5	29	1	0
Boundary	CI-5	67	5	2
Total	CI-5	**276**	**27**	**18**
CSO	CI-6	3	0	1
Stormwater	CI-6	16	2	1
Direct Drainage	CI-6	1	0	0
Bay Sources	CI-6	82	4	2
Boundary	CI-6	83	6	3
Total	CI-6	**185**	**12**	**7**
CSO	CI-7	4	0	1
Stormwater	CI-7	38	5	3
Direct Drainage	CI-7	1	0	0
Bay Sources	CI-7	33	1	0
Boundary	CI-7	81	6	3
Total	CI-7	**157**	**11**	**7**

Notes:

(1) Based on the 30-day period with the maximum CSO contribution to the GM.

Table 6-12 indicates that CSO impacts to attainment are limited within Coney Island Creek, although the extent of CSO contribution varies both spatially and temporally. As such, the alternatives analysis described in Section 8.0 focuses on reduction of the CSO discharges to Coney Island Creek.

6.3.e Time to Recovery

The analyses provided above examine the long term impacts of wet-weather sources, as is required by Existing and Potential Future Primary Contact WQ Criteria (monthly GM and 30-day GM). Shorter-term impacts are not evaluated using these regulatory criteria. Therefore, to gain insight to the shorter-term impacts of wet-weather sources of bacteria, DEP has reviewed the DOH guidelines relative to single sample maximum bacteria concentrations that DOH believes “constitute a potential hazard to health if

used for bathing." The presumption is that if the bacteria concentrations are lower than these levels, then the waterbodies do not pose potential hazards if primary contact is practiced.

DOH considers fecal coliform concentrations that exceed 1,000 cfu/100mL to be potential hazards to bathing. Water quality modeling analyses were conducted to assess the amount of time following the end of rainfall required for the saline portion of Coney Island Creek to recover and return to concentrations of less than 1,000 cfu/100mL.

The LaGuardia Airport (LGA) rainfall data were first analyzed for the period of 2002-2011. The surface synoptic observations (SYNOP) model was used to identify each individual storm and to calculate the storm volume, duration and start and end times. Rainfall periods separated by four hours or more were considered separate storms. Statistical analysis of the individual rainfall events for the recreational seasons (May 1st through October 31st) of the 10-year period resulted in a 90th percentile rainfall event of 1.09 inches. Based on this information, a storm approximating the 90th percentile storm was chosen from the 2008 recreational season as a design storm. This design storm was the August 15, 2008 JFK rainfall event, which resulted in 1.02 inches of precipitation. A principal feature of this storm, aside from its volume, was the time until the next rainfall allows concentrations time to reach the fecal coliform target concentration.

From NYS DOH

https://www.health.ny.gov/regulations/nycrr/title_10/part_6/subpart_6-2.htm

Operation and Supervision

6-2.15 Water quality monitoring
(a) No bathing beach shall be maintained … to constitute a potential hazard to health if used for bathing. To determine if the water quality constitutes a potential hazard … shall consider one or a combination of any of the following items: results of a sanitary survey; historical water quality model for rainfall and other factors; verified spill or discharge of contaminants affecting the bathing area; and water quality indicator levels specified in this section.

(1) Based on a single sample, the upper value for the density of bacteria shall be: (i) 1,000 fecal coliform bacteria per 100 ml; or …(iii) 104 enterococci per 100 ml for marine water; ….

Table 6-13 presents the time to recovery for the baseline condition and the 100% Coney Island Creek CSO control scenario. Under the baseline conditions, Station CI-1 has the longest time to recovery of 24 hours. DEC has indicated that it is desirable to have a time to recovery of less than or equal to 24 hours. The other stations in Coney Island Creek have time to recovery ranging between 0 and 23 hours. Thus, under the design storm conditions, Coney Island Creek meets the desired target of a time to recovery less than or equal to 24 hours. When the fecal coliform loading from CSO OH-021 is removed, there are only small changes in the time to recovery. There is an improvement of two hours at Station CI-4, and one hour at Stations CI-1 and CI-5. In summary, the time to recovery is consistent with DEC's desired target of 24 hours, irrespective of whether CSO discharges are present.

Table 6-13. Time to Recovery

Station		Time to Recovery (hours) Fecal Threshold (1,000 cfu/100mL)	
		Baseline	100% CSO Control
CI-1	Saline	24	23
CI-2		23	23
CI-3		20	20
CI-4		11	9
CI-5		9	8
CI-6		0	0
CI-7		0	0

7.0 PUBLIC PARTICIPATION AND AGENCY COORDINATION

DEP is committed to implementing a proactive and robust public participation program to inform the public about the development of watershed-specific and citywide LTCPs. Public outreach and public participation are important aspects of LTCPs, which are designed to reduce CSO-related impacts to achieve waterbody-specific WQS, consistent with the Federal CSO Policy and the CWA, and in accordance with EPA and DEC mandates.

DEP's Public Participation Plan was released to the public on June 26, 2012, and describes the tools and activities DEP will use to inform, involve and engage a diverse group of stakeholders and the broader public throughout the LTCP process. The purpose of the Plan is to create a framework for communicating with, and soliciting input from, interested stakeholders and the broader public concerning water quality and the challenges and opportunities for CSO controls. As described in the Public Participation Plan, DEP will strategically and systematically implement activities that meet the information needs of a variety of stakeholders in an effort to meet critical milestones in the overall LTCP schedule outlined in the amended 2012 CSO Order on Consent.

As part of the CSO Quarterly Reports, DEP will report to DEC on public participation activities outlined in the Public Participation Plan. Updates to the Public Participation Plan that are implemented in response to public comments will be posted annually to DEP's website, along with the quarterly summary of public participation activities reported to DEC.

7.1 Local Stakeholder Team

DEP began the public participation process for the Coney Island Creek LTCP by reaching out to the Coney Island Creek Community Boards to identify the stakeholders who would be instrumental to the development of this LTCP. Stakeholders identified included both citywide and regional groups, including: environmental organizations (National Recreation and Park Association, S.W.I.M. Coalition, Water Front Alliance, Coney Island Beautification Project, New York – New Jersey Harbor and Estuary Program); community planning organizations (Brooklyn Community Board #13, New Yorkers for Parks); academic and research organizations (New York Aquarium); and City governmental agencies (NYC Economic Development Corporation).

7.2 Summaries of Stakeholder Meetings

DEP held two public meetings and one stakeholder group meeting to aid in the development and execution of the LTCP. The objectives of the public meetings and a summary of the discussions are presented below:

Public Meetings

- Public Meeting #1: Coney Island Creek LTCP Kickoff Meeting (November 4, 2015)

  Objectives: Provide overview of LTCP process, public participation schedule, watershed characteristics and improvement projects; solicit input on waterbody uses.

DEP and DEC co-hosted a Public Kickoff Meeting to initiate the water quality planning process for long term control of CSOs in the Coney Island Creek Waterbody. The two-and-half-hour event, held at PS 90, Brooklyn, provided information about DEP's LTCP Program, presented information on the Coney Island Creek watershed characteristics and status of waterbody improvement projects, solicited information from the public about its use of the Coney Island Creek, and described additional opportunities for public input and outreach. The presentation can be found at http://www.nyc.gov/dep/ltcp/. Approximately 15 stakeholders from 10 different non-profit, community, planning, environmental, economic development, governmental organizations and the broader public attended the event, as did one media representative.

The Coney Island Creek LTCP Kickoff Public Meeting was the first opportunity for public participation in the development of this LTCP. As part of the development of the LTCP, and in response to stakeholder comments, DEP provided detailed information about each of the following:

- CSO reductions and potential existing and future CSO-related projects in Coney Island Creek;
- Modeling baseline assumptions utilized during LTCP development;
- Rainfall amounts and other assumptions utilized during LTCP development;
- Water quality data collection;
- Existing Coney Island Creek CSO discharges; and
- Future public meeting announcements.

A summary of the meeting, including stakeholder comments and questions and DEP's responses are posted to DEP's website and are included in Appendix B, Public Participation Materials.

- Public Meeting #2: Coney Island Creek LTCP Alternatives Review Meeting (April 20, 2016)

  Objectives: Review proposed alternatives, related waterbody uses and water quality conditions.

  On April 20, 2016, DEP hosted a second Public Meeting to continue discussion of the water quality planning process for long term control of CSOs in Coney Island Creek. The purpose of the two-hour event, held at the New York Aquarium Education Hall in Coney Island, Brooklyn, was to describe the alternatives identification and selection processes, and receive public comment on that information. The presentation is on DEP's LTCP Program Website: http://www.nyc.gov/dep/ltcp. Approximately 40 stakeholders from several different non-profit, community planning, environmental, economic development, and governmental organizations, as well as the general public, attended the event.

  As part of the development of the LTCP, and in response to stakeholder comments, DEP provided detailed information about each of the following:

  - Addressing previous public comments received regarding: evaluation of alternatives that will make the Creek safe for fishing and swimming; concerns about legacy contamination in the Creek; elimination of illicit discharges; and assessment of Green Infrastructure in the vicinity of the Creek.
  - Recent investments and ongoing construction within the Coney Island Creek watershed.

- Modeling baseline assumptions utilized during LTCP development, including the rainfall conditions utilized;
- Existing and future predicted CSO discharges;
- Water quality data collection;
- Stormwater inputs/contributions to Coney Island Creek;
- Green infrastructure and grey infrastructure potential alternatives;
- Opportunity to review and comment on the draft Coney Island Creek LTCP; and
- Future public meeting announcements.

Four breakout sessions were then held to further discuss:

- Public concern and interests in CSO control;
- Water quality classifications and uses;
- Green Infrastructure and municipal separate storm sewer system program; and
- Water rates and affordability.

A summary of the meeting including stakeholder comments and questions as well as DEP's responses are posted on DEP's website, and are included in Appendix B, Public Participation Materials.

- Public Meeting #3: Draft LTCP Review Meeting (not yet scheduled)

  Objectives: Present LTCP after review by DEC

  This meeting will present the final recommended plan to the public after DEC review. Outcomes of the discussion and a copy of presentation materials will be posted to DEP's website.

Stakeholder Meetings

- Meeting with Brooklyn Borough Hall (September 9, 2015)

  DEP staff met with the Deputy Borough President (and staff), the District Managers of all of the Brooklyn Community Boards, and representatives from various Council Members to present information on Coney Island Creek water quality and waterbody characteristics and on the LTCP Program and its planning and alternatives processes.

- Meeting with SWIM Coalition and Coney Island Beautification Project (February 6, 2016)

  The SWIM Coalition and the Coney Island Beautification Project hosted an LTCP workshop at the NY Aquarium. DEP Staff attended and presented to approximately 40 attendees. DEP Staff presented on the Coney Island Creek LTCP as well as the MS4 Program.

Public Comments Received

DEP received the following comments:

- S.W.I.M Coalition Comments on the forthcoming Coney Island Creek CSO Long Term Control Plan, December 4, 2015.

These comments are posted to DEP's website and are included in Appendix B, Public Participation Materials.

7.3 Coordination with Highest Attainable Use

DEC has designated Coney Island Creek a Class I water quality classification. The best usages of Class I waters are "secondary contact recreation and fishing. These waters shall be suitable for fish, shellfish, and wildlife propagation and survival. In addition, the water quality shall be suitable for primary contact recreation, although other factors may limit the use for this purpose". Coney Island Creek does not attain the existing Class I WQS for bacteria and DO. The Creek cannot fully achieve the Primary Contact Bacteria WQ Criteria based on fecal coliform on an annual basis. Even 100 percent CSO reduction would not bring the waterbody into compliance with WQS. However, the analyses show that Primary Contact Bacteria WQ Criteria is projected to essentially be attained throughout the recreational season (May 1st through October 31st) a high percentage of the time, although bacteria levels will be elevated during and after rain events. There are no permitted swimming locations or sanctioned infrastructure or equipment supporting secondary contact recreation along Coney Island Creek; thus, the non-attainment of the swimmable standard during and after rainfall or during the non-recreational season (November 1st through April 30th) would not impact such uses.

It should be emphasized that the Coney Island Creek watershed, although surrounded by commercial and industrial uses in most areas, does provide informal shoreline access points for on-shore recreation, which attract the public to take advantage of the recreational uses of the waterway. These uses should be protected in recreational periods, with the exception of during rain events when advisories will be in place.

Based on the projected water quality conditions and the UAA process (presented in Appendix C), it is anticipated that the Coney Island Creek should remain a Class I waterbody (with a wet-weather advisory) during the recreational season (May1st through October 31st).

7.4 Internet Accessible Information Outreach and Inquiries

Both traditional and electronic outreach tools are important elements of DEP's overall communication effort. DEP will ensure that outreach tools are accurate, informative, up-to-date and consistent, and are widely distributed and easily accessible. Table 7-1 presents a summary of Coney Island Creek LTCP public participation activities.

Table 7-1. Summary of Coney Island Creek LTCP Public Participation Activities Performed

Category	Mechanisms Utilized	Dates (if applicable) and Comments
Regional LTCP Participation	Citywide LTCP Kickoff Meeting and Open House	• June 26, 2012
	Annual Citywide LTCP Meeting – Modeling Meeting	• February 28, 2013
	Annual Citywide LTCP Meeting #3	• December 11, 2014
	Annual Citywide LTCP Meeting #4	• January 12, 2016
Waterbody-specific Community Outreach	Public meetings and open houses	• Kickoff Meeting: November 4, 2015 • Meeting #2: April 20, 2016 • Meeting #3: TBD
	Stakeholder meetings and forums	• Borough Board and Borough Services Meeting on September 9, 2015 • SWIM Coalition and Coney Island Beautification Meeting on February 6, 2016
	Elected officials briefings	• November 18, 2014
Data Collection and Planning	Establish online comment area and process for responding to comments	• Comment area added to website on October 1, 2012 • Online comments receive response within two weeks of receipt
	Update mailing list database	• DEP updates master stakeholder database (700+ stakeholders) before each meeting
Communication Tools	Program Website or Dedicated Page	• LTCP Program website launched June 26, 2012 and frequently updated • Coney Island Creek LTCP web page launched
	Social Media	• TBD
	Media Outreach	• Published advertisements in newspapers: the Brooklyn Paper, Bay News, Mill Basin-Marine Park Courier, Bay Ridge Courier, Brooklyn Courier, Caribbean Life and La Voz
	FAQs	• LTCP FAQs developed and disseminated beginning June 2014 via website, meetings and email
Communication Tools	Print Materials	• LTCP FAQs: June 11, 2014 • LTCP Goal Statement: June 26, 2012 • LTCP Public Participation Plan: June 26, 2012 • LTCP Program Brochure: February 12, 2015 • Glossary of Modeling Terms: February 28, 2013 • Meeting advertisements, agendas and

Table 7-1. Summary of Coney Island Creek LTCP Public Participation Activities Performed

Category	Mechanisms Utilized	Dates (if applicable) and Comments
		presentations • PDFs of poster board displays from meetings • Meeting summaries and responses to comments • Quarterly Reports • WWFPs
	Translated Materials	• As-needed basis
	Portable Informational Displays	• Poster board displays at meetings
Student Education	Participate in ongoing education events	• N/A
	Provide specific green and grey infrastructure educational modules	• N/A

DEP launched its LTCP Program website on June 26, 2012. The website provides links to documents related to the LTCP Program, including CSO Orders on Consent, approved WWFPs, CSO Quarterly Reports, links to related programs, such as the Green Infrastructure Plan, and handouts and poster boards distributed and displayed at public meetings and open houses. An LTCP feedback email account was also created to receive LTCP-related feedback, and stakeholders can sign up to receive LTCP Program announcements via email. In general, DEP's LTCP Program Website:

- Describes the LTCP process, CSO-related information and citywide water quality improvement programs to-date;
- Describes waterbody-specific information including historical and existing conditions;
- Provides the public and stakeholders with timely updates and relevant information during the LTCP process, including meeting announcements;
- Broadens DEP's outreach campaign to further engage and educate the public on the LTCP process and related issues; and
- Provides an online portal for submission of comments, letters, suggestions, and other feedback.

A dedicated Coney Island Creek LTCP webpage was created in October 2015, and includes the following information:

- Coney Island Creek public participation and education materials
  - Coney Island Creek Summary Paper
  - LTCP Public Participation Plan
- Coney Island Creek Kickoff Meeting Documents – November 4, 2015
  - Advertisement
  - Meeting Presentation
  - Meeting Summary and Response to Comments

- Coney Island Creek Meeting #2 Meeting Documents – April 20, 2016
  - Meeting PresentationMeeting Summaries and Responses to Comments

8.0 EVALUATION OF ALTERNATIVES

This section of the LTCP describes the development and evaluation of CSO control measures and watershed-wide alternatives. A CSO control measure is defined as a technology (e.g., treatment or storage), practice (e.g., NMC or BMP), or other method (e.g., source control or GI) of abating CSO discharges or the effects of such discharges on the environment. Alternatives evaluated herein are comprised of a single CSO control measure or a group of control measures that will collectively address the water quality objectives for Coney Island Creek.

This section contains the following information:

- Process for developing and evaluating CSO control alternatives that reduce CSO discharges and improve water quality (Section 8.1).
- CSO control alternatives and their evaluation (Section 8.2).
- CSO reductions and water quality benefits achieved by the higher-ranked alternatives, as well as their estimated costs (Sections 8.3 and 8.4).
- Cost-performance and water quality attainment assessment for the higher-ranked alternatives to select the preferred alternative (Section 8.5).

Water quality attainment of CSO control alternatives evaluated in this section considered the bacteria WQ criteria presented in Section 6.0, Table 6-3. The preferred alternative is also evaluated in terms of attainment of the existing Dissolved Oxygen (DO) criteria.

8.1 Considerations for LTCP Alternatives Under the Federal CSO Policy

This LTCP addresses the water quality objectives of the CWA, the CSO Control Policy, and the New York State Environmental Conservation Law (ECL). This LTCP also builds upon the conclusions presented in DEP's June 2009 Coney Island Creek WWFP. As required by the 2012 CSO Consent Order, when the proposed alternative set forth in the LTCP will not achieve Existing WQ Criteria or the Section 101(a)(2) goals, a UAA must be prepared. A UAA is the mechanism to examine whether applicable waterbody classifications, criteria, or standards should be adjusted by the State. If deemed necessary under these conditions, the UAA would assess the compliance of the next higher classification that the State would consider in adjusting WQS and developing waterbody-specific criteria.

The remainder of Section 8.1 discusses the development and evaluation of CSO control measures and watershed-wide alternatives to comply with the CWA in general, and with the CSO Control Policy in particular. The evaluation factors considered for each alternative are described, followed by the process for evaluating the alternatives.

8.1.a Performance

Section 6.0 presented evaluations of baseline LTCP conditions, and concluded that Existing WQ Criteria (Class I) for bacteria cannot be attained on an annual basis even with 100% CSO control due to limited tidal exchange and flushing, and the presence of other sources of pollutants being discharged. Full attainment of the Existing WQ Criteria (Class I) for bacteria is, however, attained under baseline

conditions during the recreational season (May 1st through October 31st). As such, subsequent discussion of performance for Coney Island Creek alternatives will focus on bacteria criteria for Existing WQ Criteria (Class I) and Potential Future Primary Contact WQ Criteria, consistent with the 2012 U.S. Environmental Protection Agency (EPA) 2012 Recreational Water Quality Criteria (RWQC) (2012 EPA RWQC).

The analyses in Section 6.0 also showed that Coney Island Creek cannot attain the designated Class I DO criterion, even with 100% CSO control in place. DO attainment is addressed herein, however the primary focus of the cost-performance analysis is bacteria reduction and attainment of bacteria criteria.

A major focus of the development and evaluation of control alternatives is the ability to achieve bacteria load reduction and to attain applicable water quality criteria. A two-step process is used. First, based upon watershed or InfoWorks CS™ (IW) model runs for typical year (2008) rainfall, the level of CSO control of each alternative is established, including the reduction of CSO volume, fecal coliform, and enterococci loading. The second step uses the estimated levels of CSO control to project levels of attainment in the receiving waters. This step uses the CICWQM. LTCPs are typically developed with alternatives that span a range of CSO volumetric (and loadings) reductions. Accordingly, this LTCP includes alternatives that consider a wide range of reductions in CSO loadings - up to 100% CSO control - including investments made by DEP through green and grey infrastructure. Intermediate levels of CSO volume control, approximately 25, 50 and 75 percent, are also evaluated. However, for some alternative control measures, such as disinfection, there would be no reduction in CSO volume but significant reductions in bacteria loading would result instead. Performance of each control alternative is measured against its ability to meet the CWA and water quality requirements for the 2040 planning horizon as described in Section 6.0.

8.1.b Impact on Sensitive Areas

In developing LTCP alternatives, special effort is made to minimize the impact of construction, to protect existing sensitive areas when identified, and to enhance overall water quality in sensitive areas. As described in Section 2.0, no sensitive areas exist within Coney Island Creek so only construction impacts were considered, as appropriate.

8.1.c Cost

Cost estimates for the alternatives were computed using a costing tool based on parametric costing data. This approach provides an Association for the Advancement of Cost Engineering Class 5 estimate (accuracy range of minus 20 to 50 percent to plus 30 to 100 percent), which is typical and appropriate for this type of planning evaluation. For the purpose of this LTCP, all costs are in February 2016 dollars.

For the LTCP alternatives, PBC was used as the estimate of the construction cost. Annual O&M costs are then used to calculate the net present worth (NPW) over the projected useful life of the project. A lifecycle of 20 years and an interest rate of 3 percent were assumed resulting in a Present Worth Factor of 14.877.

To quantify costs and benefits, alternatives are compared based on reductions of both CSO discharge volume and bacteria loading against the NPW of the alternative. These costs are then used to plot the performance and attainment curves. A pronounced inflection point appearing in the resulting graphs, the so-called KOTC point, suggests a potential cost-effective alternative for further consideration. In essence, this would reflect the alternative that achieves the greatest appreciable water quality improvements per unit of cost. However, this may not necessarily be the lowest cost alternative. The final, or preferred, alternative must be capable of improving water quality in a fiscally responsible and affordable manner to

ensure that resources are properly allocated across the overall citywide LTCP program. These monetary considerations also must be balanced with non-monetary factors, such as environmental benefits, technical feasibility and operability, which are discussed below.

8.1.d Technical Feasibility

Several factors were considered when evaluating technical feasibility, including:

1. Effectiveness for controlling CSO
2. Reliability
3. Implementability

The effectiveness of individual CSO control measures was assessed based on their ability to reduce CSO frequency, volume, and pollutant loading. Reliability is an important operational consideration, and can have an impact on overall effectiveness of a control measure. Therefore, reliability and proven history were used to assess the technical feasibility and cost-effectiveness of a control measure.

Several site-specific factors were considered to evaluate an alternative's implementability, including available space, neighborhood assimilation, impact on parks and green space, and overall practicability of installing - and later maintaining - CSO controls. In addition, the method of construction was factored into the final selection. Some technologies require specialized construction methods that typically incur additional costs.

8.1.e Cost-Effective Expansion

All alternatives evaluated were sized to handle the CSO volumes based on the 2008 typical rainfall year and 2040 design year dry-weather flows, with the understanding that the predicted and actual flows may differ. To help mitigate the difference between predicted and actual flows, adaptive management was considered for those CSO technologies that can be expanded in the future to capture or treat additional CSO flows or volumes, should it be needed. In some cases, this may have affected where the facility would be constructed, or gave preference to a facility that could be expanded at a later date with minimal cost and disruption of operation.

Breaking construction into segments allowed adjustment of the design of future phases based on the performance of already-constructed phases. Lessons learned during operation of the current facilities can be incorporated into the design of the future facilities. However, phased construction also exposes the local community to a longer construction period. Where applicable, for those alternatives that can be expanded, the LTCP discusses how easily they can be expanded, what additional infrastructure may be required, and if additional land acquisition would be needed.

As regulatory requirements change, other water quality improvements may be required. The ability of a CSO control technology to be retrofitted to handle process improvements benefits the assessment of that technology.

8.1.f Long Term Phased Implementation

The recommended implementation steps associated with the preferred alternative are structured in a way that makes them adaptable to change by expansion and modification, in response to new regulatory and/or local drivers. If applicable, the project(s) would be implemented over a multi-year schedule.

Because of this, permitting and approval requirements must be identified prior to selection of the alternative. These are identified along with permit schedules where appropriate. With the exception of GI, which is assumed to occur on both private and public property, most if not all of the CSO grey technologies are limited to NYC-owned property and right-of-way-acquisitions. DEP will work closely with other NYC agencies, and NYS as necessary, to ensure proper coordination with other government entities.

8.1.g Other Environmental Considerations

Consideration will be given to minimizing impacts on the environment and surrounding neighborhood during construction. These impacts could potentially include traffic, site access issues, park and wetland disruption, noise pollution, air quality, and odor emissions. To minimize environmental impacts, they will be identified with the selection of the recommended plan and communicated to the public. The specific details on the mitigation of the identified concerns and/or impacts, such as erosion control measures and the rerouting of traffic will be addressed in a pre-construction environmental assessment.

8.1.h Community Acceptance

As described in Section 7.0, DEP is committed to involving the public, regulators and other stakeholders throughout the planning process. The scope of the LTCP, background and newly collected data, WQS, and the development and evaluation of alternatives, were presented in public meetings. Community acceptance of the recommended plan is essential to its success. As such, DEP has used the LTCP public participation process to assist in gaining that acceptance. The Coney Island Creek LTCP is intended to improve water quality as the public's health and safety are a high priority of DEP. The goal of raising awareness of, and access to, waterbodies was considered throughout the alternative analysis. Several CSO control measures, such as GI, have been shown to enhance communities while increasing local property values. As such, the benefits of GI were considered in the formation of the baseline and the final recommended plan.

8.1.i Methodology for Ranking Alternatives

The multi-step evaluation process that DEP employed in developing the Coney Island Creek LTCP proposed CSO control measures and watershed-wide alternatives included the following:

1. Evaluating benchmarking scenarios, including baseline and 100% CSO control, to establish the full range of controls within the Coney Island Creek watershed. The results of this step were described in Section 6.0.

2. Developing a list of promising control measures for further evaluation.

3. Establishing levels of intermediate CSO control that provide a range between baseline and 100 percent and conducting receiving water quality simulations of these intermediate control levels.

4. Conducting an initial "brainstorming" meeting with DEP staff on November 10, 2015, to review the most promising control measures and to solicit additional options to explore.

5. Conducting a second "brainstorming" meeting on January 29, 2016, to further review additional details on the most promising control measures and to solicit additional options to further explore.

6. Conducting a final LTCP workshop on February 23, 2016, during which the water quality benefits, costs and fatal flaws of the remaining alternatives under consideration were evaluated.

The focal points of this process were the meetings and workshops listed above. Prior to the first meeting, the universe of control measures that were evaluated in the 2009 WWFP was revisited from the perspective of the LTCP goal statement and in light of the implemented WWFP. Additional control measures were also identified and assessed. The resultant control measures were introduced at the first meeting. Based on discussions at the first meeting, further additional control measures were identified. A preliminary evaluation of these control measures was then conducted including an initial estimation of costs and water quality impacts. During the second meeting, promising alternatives were reviewed in more detail. The final LTCP workshop included updated alternative assessments and a final fatal flaw analysis.

The range of control measures that were considered fall under the categories of Source Control, System Optimization, CSO Relocation, Water Quality/Ecological Enhancement, Treatment, and Storage, with the following constituents:

1. **Source Control**
   - Additional GI
   - High Level Storm Sewers

2. **System Optimization**
   - Fixed Weirs
   - Parallel Interceptor/Sewer
   - Bending Weirs and Control Gates, Pump Station Optimization
   - Pump Station Expansion

3. **CSO Relocation**
   - Flow Tipping to Other Watersheds, Pump Station Modification
   - Pump Station Modifications
   - Flow Tipping with Conduit/Tunnel and Pumping

4. **Water Quality/Ecological Enhancement**
   - Floatables Control
   - Environmental Dredging
   - Mechanical Aeration
   - Flushing Tunnel

5. **Treatment**
   - Outfall Disinfection
   - Retention Treatment Basin
   - High Rate Clarification
   - Wastewater Treatment Plant Expansion

6. **Storage**
   - In-System
   - Shaft

- Tank
- Tunnel

Figure 8-1 presents these control measures according to their relative cost and level of complexity. The control measures in the upper left hand corner are generally the least costly and least complex to construct and/or operate while those towards the lower right are the most costly and most complex to construct and/or operate. The level of loading removal performance of each measure typically corresponds with the level of cost and complexity.

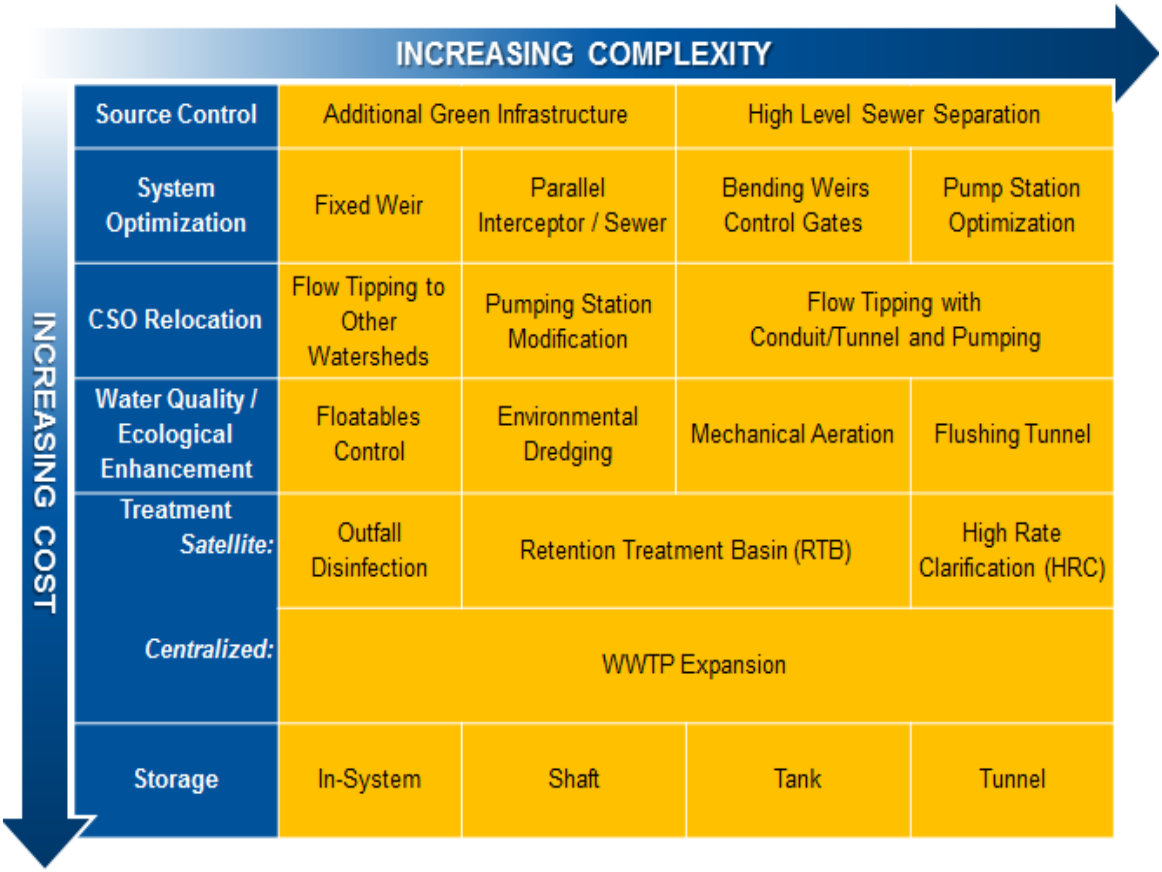


Figure 8-1. Matrix of CSO Control Measures for Coney Island Creek

During the initial screening meeting, most of the control measures advanced to a second level of evaluation with the exception of the following:

- Additional Green Infrastructure: Prior evaluations demonstrated that there is no additional opportunity for GI implementation within the combined areas of the Coney Island Creek watershed, beyond the 1 percent included in the baseline scenario.
- High Level Sewer Separation: See Section 8.2.a.1.
- Parallel Interceptor/Sewer: The conveyance capacity along the combined sewer system upstream of the Avenue V Pumping Station is controlled by the pump station capacity; hence, a solution that increases conveyance capacity of the upstream combined sewer system alone would result in no CSO volume reduction. An increase in conveyance capacity of the interceptor

carrying the Avenue V Pumping Station pumped flow to the Owls Head Wastewater Treatment Plant (WWTP) would similarly have no impact on CSO volume to Coney Island Creek unless accompanied by an upgrade of the recently upgraded Avenue V Pumping Station and force main. This option was ruled out due to the likelihood that there would be less onerous, less complex and more viable CSO reduction alternatives for further consideration.

- Flow Tipping to Other Watersheds: A gravity based CSO relocation alternative is not feasible for the combined areas within the Coney Island Creek watershed due to the topography of the area.
- Pump Station Modification: This option, particularly pump station design capacity increase, was ruled out due to the limitations of the downstream conveyance system to which the pump station would discharge during wet-weather. Increasing the pumping capacity would essentially relocate CSO volume to New York Bay and would not produce an increase in treated CSO at the Owls Head WWTP. It should be noted that the upgrade of the Avenue V Pumping Station did result in some limited amount of flow tipping to the New York Bay that could not be conveyed to the Owls Head WWTP due to hydraulic restrictions in the affected interceptor system.
- Flow Tipping with Conduit/Tunnel and Pumping: Direct diversion to another watershed was not found to be practical due to the length of required diversion conduits.
- Environmental Dredging: Sediment build-up associated with CSOs in Coney Island Creek was not identified throughout this or previous planning efforts and data gathered by various agencies, including the most recent bathymetry data gathered by EDC in 2014. It should be noted, however, that previous dredging had occurred along the upper reach of the Creek under an ECL remediation project.
- Mechanical Aeration: WQ modeling indicated that compliance with the designated Class I DO criterion is achieved for LTCP baseline conditions at all but the most upstream sampling location, and that 100% CSO control would have little to no impact on minimum DO levels in Coney Island Creek. Thus, an in-stream DO improvement solution to mitigate CSO impacts was not evaluated within the LTCP framework.
- Retention Treatment Basin (RTB): RTBs were ruled out of the evaluation process for two reasons: limited space for the associated large tankage and the absence of evidence for the need for the removal of suspended solids or BOD. These pollutants were not identified as loadings contributing to non-attainment of WQS.
- High Rate Clarification (HRC): As noted above for the RTB discussion, HRC was also screened out for further evaluation as neither CSO-related suspended solids or BOD were identified as contributing to non-attainment.
- WWTP expansion: No space is available at the Owls Head WWTP for further capacity expansion.
- Storage Tank: Storage tanks were not considered further due to the very limited space available for the footprint required for a storage tank facility. Other more space-efficient storage solutions, such as vertical shafts and deep tunnels, were considered.

The evaluation of the initially retained control measures is described in Section 8.2.

8.2 Matrix of Potential CSO Reduction Alternatives to Close Performance Gap from Baseline

The alternatives evaluations for Coney Island Creek focused on the sole discharging CSO outfall, OH-021. Each control measure was initially evaluated on three of the key considerations described in Section 8.1: (1) benefits, as expressed by level of CSO control and attainment; (2) costs; and (3) challenges, such as siting and operations. Using this methodology, the control measures listed in Section 8.1 were evaluated on a cost-performance basis and used to develop the CSO reduction alternatives.

Following the LTCP outline, these control measures are described under the following categories: Other Future Grey Infrastructure, Other Future Green Infrastructure and Hybrid Green/Grey Alternatives, and subsets thereof.

8.2.a Other Future Grey Infrastructure

For the purpose of this LTCP, "Other Future Grey Infrastructure" refers to potential grey infrastructure beyond existing control measures implemented based on previous planning documents. "Grey infrastructure" refers to systems used to control, reduce or eliminate discharges from CSOs. These are the technologies that have been traditionally employed by DEP and other wastewater utilities in their CSO planning and implementation programs. They include retention tanks, tunnels and treatment facilities, including satellite facilities, and other similar capital-intensive projects.

Grey infrastructure projects implemented under previous CSO control programs and facility plans, such as the 2009 WWFP, are described in Section 4.0, most notably the upgrade of the Avenue V Pumping Station from 30 MGD to 80 MGD and the associated force main improvements.

8.2.a.1 High Level Sewer Separation

High Level Sewer Separation is a form of partial separation that takes runoff from the streets or other public rights-of-way out of the combined sewers, while leaving roof leaders or other building connections unaltered. In NYC, this is typically accomplished by constructing a new stormwater system and directing flow from street inlets and catch basins to the new storm sewers. Challenges associated with HLSS include constructing new sewers with minimal disruption to the neighborhoods along the proposed alignment, and finding a viable location for necessary new stormwater outfalls. Separation of sewers minimizes the amount of CSO being discharged to receiving waters, but can also result in increased separate stormwater discharges (which may also carry loadings) to receiving waters.

HLSS was considered in the WWFP. However, as was noted then, the additional and more frequent pollution loadings that would result from the new stormwater discharges are a concern. Typically, DEP implements HLSS projects to control localized flooding. Because localized flooding has not been a documented problem in the watershed after the Avenue V Pumping Station upgrade, and due to the concern of potential additional stormwater-related pollution, HLSS was not evaluated further.

8.2.a.2 Sewer Enhancements

Sewer enhancements, also known as system optimization, aim to reduce CSO through improved operating procedures or modifications to the existing collection system infrastructure. Examples include: regulator or weir modifications including fixed and bending weirs; control gate modifications; real time control; and increasing the capacity of select conveyance system components, such as gravity lines,

pump stations and/or force mains. Force main relocation or interceptor flow regulation also would fall under this category. These control measures generally retain more of the combined sewage within the collection system during storm events. The benefits of retaining this additional volume must be balanced against the potential for sewer back-ups and flooding, or the relocation of the CSO discharge elsewhere in the watershed or an adjacent watershed. Viability of these control measures is system-specific, depending on existing physical parameters such as pipeline diameter, length, slope and elevation. For Outfall OH-021, both static weir raising and installing a bending weir were evaluated. The bending weir was found to have no impact on CSO volume due to the influence of the tide (the operating range of the bending weir fell below the mean tide elevation). Raising the static weir caused adverse impacts to the hydraulic grade line upstream of the regulator, increasing the risk of flooding. Lengthening the weir to offset the hydraulic grade line impacts was impractical due to the magnitude of the additional weir length required. As such, sewer enhancements were not retained for further evaluation.

8.2.a.3 Retention/Treatment Alternatives

A number of the control measures considered for the Coney Island Creek LTCP fall under the dual category of treatment and retention. For the purposes of this LTCP, the term “storage” is used in lieu of “retention”. These control measures include in-line or in-system storage and off-line shaft, tank, and deep tunnel storage. Treatment refers to disinfection, in either CSO outfalls or RTBs, and other, more advanced treatment processes such as HRC.

In-line storage upstream of Regulator Av-1 was screened out from further consideration because the existing conveyance system has no available capacity that could be used without increasing the risk of flooding. In-line storage in the outfall downstream of Regulator Av-1 was evaluated for feasibility. However, this alternative would have required hydraulically isolating the middle barrel of the three-barrel outfall for CSO storage, and constructing a weir/gate structure at the downstream end of the outfall. Due to the flat topography of this area and the tidal influences, modeling indicated that these features could not be implemented without creating adverse hydraulic grade line impacts upstream of the Av-1 regulator.

With respect to off-line storage control measures, due to the limited availability of land within the Coney Island Creek watershed, as noted above, only vertical shaft and tunnel storage remained after the initial screening process described in Section 8.1. In essence, tank storage was discarded from further consideration due to its large footprint requirements. It is noted that a land use analysis of the parcels in the watershed in the vicinity of the Avenue V Pumping Station and Regulator Av-1 revealed that there were no suitable lots with an available footprint larger than 40,000 sf. Unlike traditional tank storage, tunnel storage or the newer concept of shaft storage require less permanent above-ground property per equivalent unit of storage volume.

Vertical Shaft Storage

Off-line vertical storage shafts were initially evaluated for the 25, 50, 75 and 100% CSO control levels. The layouts were based on a maximum shaft depth of 100 feet, with the diameter adjusted to provide the intended storage volume. Since the largest shaft storage facilities that have been constructed to date are in the range of 7 MG of storage capacity, control levels requiring more than 7 MG were assumed to require multiple shafts. Based on these sizing considerations and an assessment of potential sites, it was determined that only one potentially viable site existed, and it would only be big enough to accommodate up to the 50 percent control level. Expanding the site investigation downstream along the outfall and upstream from the Avenue V Pumping Station did not yield any additional potential sites.

As a result, the vertical storage shaft alternatives carried forward included facilities for 25 and 50 percent CSO control, designated as Alternatives VS1 and VS2, respectively. The general layout for Alternative VS2 is depicted in Figure 8-2. As shown, the 50 percent control shaft size would fit in the parking lot within the Coney Island New York City Transit (NYCT) railyard. The solid circle in Figure 8-2 represents the shaft structural diameter and the dashed circle depicts the space required around the shaft during construction. As depicted on the figure, this CSO storage alternative would require a new diversion structure located just upstream of Regulator Av-1, a micro-tunneled gravity conveyance conduit from the diversion structure to the storage shaft, a dewatering pump station located within the shaft, and a dewatering force main that would be installed within the gravity conveyance conduit. The layout for Alternative VS1 would be similar, but the shaft size and corresponding construction area would be smaller. Details on the two vertical shaft alternatives are presented in Table 8-1. The dewatering system capacity for the vertical shaft storage alternatives is presented below in Table 8-3, along with the dewatering capacity required for the deep tunnel storage alternatives.

Table 8-1. Vertical Shaft Storage Characteristics for Alternatives VS1 and VS2

Shaft Options	Level of Service (CSO Volumetric Capture)	
	VS1 (25%)	VS2 (50%)
Volume (MG)	1.6	4.1
Diameter (ft)	52	84
Depth (ft)	100	100
Conveyance conduit length (lf)	1,200	1,200
Conveyance conduit diameter (ft)	4.5	5.5
NPW ($ Millions)	89	111

With respect to treatment measures, RTB and HRC treatment were discarded for the reasons described above in Section 8.1. Outfall disinfection was evaluated under this LTCP; however, it would require significant reconfiguration of the existing triple barrel outfall that would increase risk of flooding due to the resultant increase in hydraulic gradient line. Therefore, it too was not considered further.

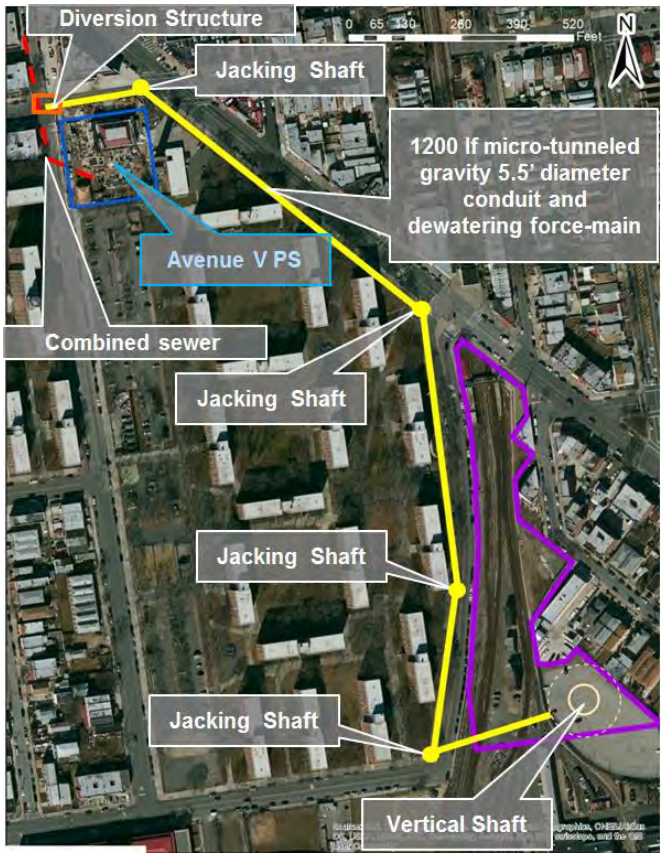


Figure 8-2. Layout of Alternative VS2 – Vertical Shaft at NYCT Railyard Parking Lot

The benefits, costs and challenges associated with vertical shaft storage are as follows:

Benefits

The primary benefit of the vertical shaft storage is the level of CSO volume reduction that can be achieved with lower above-ground land requirements than traditional off-line storage tanks.

Cost

The estimated NPW for this control measure is $89M for the 25 percent CSO control shaft and $111M for the 50 percent CSO control shaft. Details of the estimates are presented in Section 8-4.

Challenges

One of the major challenges with shaft storage is the required O&M in deep, confined spaces. Also, the concept of shaft storage for CSO controls is relatively new and there are only a limited number of operating facilities in the country. Other challenges include sediment deposition in the shaft, unforeseen geotechnical conditions, and operation of the deep dewatering pump station. A major specific challenge associated with shaft storage for Outfall OH-021 is the extensive conveyance system needed to feed the storage shaft due to the distance between the shaft site and the CSS regulator.

Even with these challenges, however, both shaft storage alternatives were carried forward for inclusion in the evaluation of basin-wide alternatives because of their ability to attain the 25 and 50 percent levels of volumetric CSO control.

Deep Tunnel Storage

Deep tunnel storage was analyzed for Outfall OH-021, as tunnel storage could provide the 75 and 100% CSO control levels that the shafts could not attain. The layout of the proposed tunnel is shown on Figure 8-3 along with the alignment of the associated conveyance system. As indicated in Figure 8-3, an extensive near-surface conveyance system would be required to convey flow from a new diversion structure just upstream of Regulator Av-1 to the tunnel. Picking up the overflow at the end of the outfall and avoiding the additional conveyance piping was determined to be infeasible. The OH-21 outfall has three barrels. Separate stormwater ties into the outfall just downstream of Regulator Av-1, and the three barrels are hydraulically interconnected. Hydraulically isolating one of the barrels for just CSO, and providing a diversion structure to the tunnel at the downstream end, would have resulted in adverse hydraulic grade line impacts upstream of Regulator Av-1. Therefore, providing a diversion structure upstream of Regulator Av-1 appeared to be the only feasible way to divert CSO to the tunnel.

Table 8-2 summarizes the key dimensions of the components of the two tunnel alternatives evaluated. These alternatives were designated DT1 for the 75 percent control option, and DT2 for the 100 percent control option. The benefits, costs and challenges associated with tunnel storage are as follows:

Benefits

The primary benefit of the tunnel storage is the high level of CSO volume reduction with minimal permanent above-ground land requirements.

Cost

The estimated NPW for this control measure is $205M for the 75% CSO control tunnel and $217M for the 100% CSO control tunnel. Details of the estimates are presented in Section 8-4.

Challenges

One of the major challenges with tunnel storage is the required O&M in deep, confined spaces. Also, DEP has no operating experience with tunnels in its wastewater system. Other challenges include sediment deposition in the tunnel, potential for hydraulic surge conditions, unforeseen geotechnical conditions, and operation of the deep tunnel dewatering pump station. Specific challenges associated with deep tunnel storage for Outfall OH-021 include the required extensive conveyance system needed to convey the flows from the regulator to the tunnel and the location of the shafts within the Belt Parkway ROW and areas adjacent to access ramps.

Even with these challenges, however, both of these tunnel alternatives were carried forward for inclusion in the evaluation of basin-wide alternatives due to their ability to attain the 75 and 100 percent levels of volumetric CSO control. Collectively, the two shaft alternatives coupled with the two tunnel alternatives provided the LTCP with 25, 50, 70 and 100 percent volumetric control alternatives.



Figure 8-3. Layout of Alternatives DT1 and DT2 – Tunnel for Outfall OH-021

Table 8-2. Deep Tunnel Characteristics for Alternatives DT1 and DT2

Tunnel Options	Level of Service (CSO Volumetric Capture)	
	DT1 (75%)	DT2 (100%)
Tunnel Volume (MG)	6.9	13.4
Tunnel Length (lf)	5,400	5,400
Tunnel Diameter (ft)	15	21
NPW ($ Millions)	154	217

All of the retention alternatives described above would require dewatering of the retained CSO volumes after wet-weather events subside. The capacity of the required dewatering systems is shown in Table 8-3 for each of these alternatives based on a targeted two-day dewatering period.

Table 8-3. Dewatering System Capacity of Retention Alternatives Based on Two-Day Dewatering

Alternative		Storage Volume (MG)	PS Capacity (MGD)
Vertical Shaft VS1 and VS2	25% CSO Control	1.6	0.8
	50% CSO Control	4.1	2.1
Deep Tunnel (DT1 and DT2)	75% CSO Control	6.9	3.5
	100% CSO Control	13.4	6.7

8.2.a.4 Water Quality/Ecological Enhancement

Coney Island Creek was once physically connected to Sheepshead Bay to the east. Urban development and the construction of the Belt Parkway led to the hydraulic separation of both waterbodies and the attendant increase of urban runoff. The increased runoff contributions carry floatables and other constituents that are conveyed to the waterbody primarily through the MS4 and other stormwater outfalls and, to a lesser extent, CSO Outfall OH-021. Water Quality/Ecological Enhancement Alternatives evaluated under this LTCP targeted the capture of floatables associated with the remaining CSO discharges (post-Avenue V Pumping Station upgrade) and the improvement of water circulation in Coney Island Creek. As part of the evaluation process described in Section 8.1, mechanical aeration and environmental dredging were discarded early in the overall evaluations process. This left two technologies for consideration: (1) an underflow baffle to provide floatables control for the remaining CSO discharges at Outfall OH-021; and (2) a flushing tunnel that would pump non-CSO impacted waters from Sheepshead Bay to the head end of Coney Island Creek to improve circulation and possibly improve water quality. These alternatives are described below.

Underflow Baffle at Regulator Av-1

Various floatables control solutions were considered for the CSO discharges at Outfall OH-021. Following a fatal flaw analysis, it was determined that the most feasible floatables control solution would be an underflow baffle at Regulator Av-1. During the evaluation process, however, it was determined that the additional headloss created by the underflow baffle would increase the risk of upstream flooding. To offset that headloss, a hydraulic relief structure with a 130-foot long weir would be required upstream of the regulator. A layout of the underflow baffle and required upstream hydraulic relief structure is shown in Figure 8-4. As shown, the hydraulic relief structure would need to be quite large to house the required 130 linear feet (lf) of weir. The structure would discharge CSO to the adjacent stormwater barrel that is also tributary to Outfall OH-021. The discharges at the relief structure would be limited to storms larger than the largest event in the typical year and would not activate for the smaller storms.

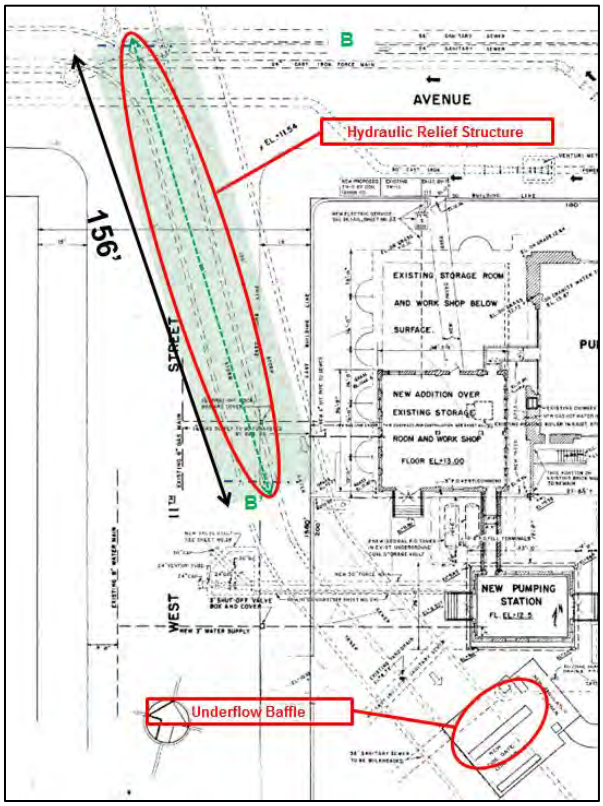


Figure 8-4. Underflow Baffle and Relief Structure at Regulator Av-1

The benefits, costs and challenges of the underflow baffle are as follows:

Benefits

The primary benefit of an underflow baffle is that it requires low maintenance as the captured floatables would be routed to the Avenue V Pumping Station after the storm recedes. Other floatables control solutions, such as screens or net bags, are more maintenance intensive.

Cost

The estimated NPW for this control measure is $60M, including the upstream hydraulic relief structure.

Challenges

The specific challenges associated with the floatables baffle include the need to construct an extensive hydraulic relief structure upstream of the regulator to neutralize the increase in hydraulic grade line. The construction of the structure would require demolishing and build-out of new roof and walls in the adjacent stormwater conduit, and would disrupt traffic at the intersection of Avenue V and W 11th Street.

Due to the projected high costs and construction impacts of the relief structure associated with the baffle alternative, this alternative was not retained for further evaluation. An additional consideration for not carrying this alternative forward is that the CSO discharge from Regulator Av-1 represents only 5 percent of the annual wet-weather discharge volume to Coney Island Creek in the typical year. Accordingly, most of the floatables observed at the downstream Cropsey Avenue boom were observed to be associated with MS4 and other stormwater discharges, not sanitary debris from the single CSO in the watershed.

Flushing Tunnel – 80 MGD

A Flushing Tunnel was evaluated that would continuously pump 80 MGD of water from Sheepshead Bay to the head end of Coney Island Creek. The concept was modeled after the recently-refurbished Gowanus Canal Flushing Tunnel. The 80 MGD flow rate was selected for the evaluation as it corresponded with a manageable-sized micro-tunnel diameter (66 inches) for conveying the flow via force main to Coney Island Creek, and provided for a reasonable rate of flushing water. The flushing tunnel would include the following features: (1) intake structure at the upper northern shore of Sheepshead Bay; (2) gravity conveyance system connecting to an intake structure to the tunnel pump station wet well; (3) the pump station itself equipped with debris screens and manual control gates within its perimeter; (4) force main; and (5) outlet structure to control the flow release conditions at the head end of Coney Island Creek. Figure 8-5 shows the layout of the flushing tunnel concept and potential locations for the pump station.

Benefits

The primary benefit of the Flushing Tunnel is that it improves water circulation along Coney Island Creek.

Cost

The estimated NPW for the tunnel and pump station is $150M.

Challenges

The specific challenges associated with this alternative include the extensive force main routing adjacent to the Belt Parkway and the tunneling difficulties that it poses as well as extensive permitting and environmental studies. Furthermore, as was demonstrated by the CICWQM, the tunnel would not improve the level of attainment to any measurable degree as there is no fecal coliform attainment gap during the recreational season (May 1st through October 31st), and DO attainment is very close to compliance.

Due to the estimated high cost and the challenges described above, this alternative was not retained for further evaluation.

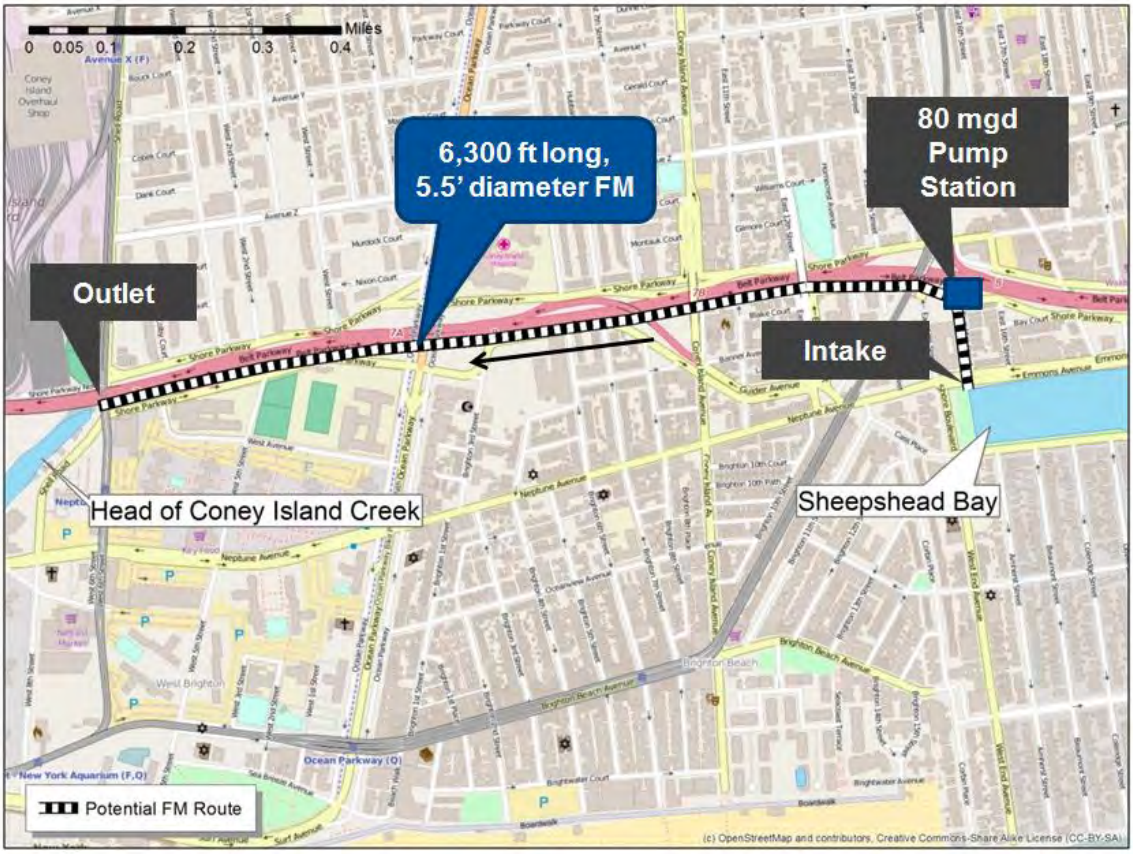


Figure 8-5. Flushing Tunnel Pumping 80 MGD from Sheepshead Bay to Coney Island Creek

8.2.b Future Green Infrastructure (Various Levels of Penetration)

As discussed in Section 5.0, DEP projects that GI penetration rates would manage 1 percent of the impervious surfaces within the Coney Island Creek portion of the Owls Head combined sewer service area. This GI has been included as part of the baseline model projections, and is thus not categorized as an LTCP alternative.

For the purpose of this LTCP, "Other Future Green Infrastructure" is defined as GI alternatives that are in addition to those implemented under previous facility plans and those included in the baseline conditions. Because DEP is working on the implementation of GI area-wide contracts in the Coney Island Creek watershed, additional GI beyond the baseline is not being considered for this LTCP at this time. DEP intends to saturate each target tributary drainage area with as much GI as feasible, as discussed in Section 5.0. Should conditions show favorable feasibility for penetration rates above the current targets, DEP will seek to take advantage of those opportunities as they become known.

8.2.c Hybrid Green/Grey Alternatives

Hybrid green/grey alternatives are those that combine traditional grey control measures with GI control measures, to achieve the benefits of both. However, as discussed above, development of the baseline GI projects for this watershed are already planned and further GI is not envisioned at this time. Therefore, no controls in this category are proposed for Coney Island Creek LTCP.

8.2.d Retained Alternatives

The intended outcome of the previous evaluations was the development of a list of retained control measures for Outfall HP-021. These retained alternatives will be assessed using the more rigorous cost-performance and cost-attainment analyses. That list is presented in Table 8-4. The reasons for excluding the non-retained control measures from further consideration are also noted in the table.

Table 8-4. Summary of Next Level of Control Measure Screening

Control Measure	Category	Retained for Further Analysis?	Remarks
HLSS	Source Control	NO	No identified localized flooding to address; would result in increased stormwater-related pollutant loads.
Additional GI Build-out	Source Control	NO	Planned 1% GI build-out in the watershed (included in the baseline); additional available sites unlikely to be identified.
Sewer System Enhancements	System Optimization	NO	No identified tangible opportunities along the existing collection system.
Flow Tipping/ PS Upgrade	CSO Relocation	NO	Impractical due to topography, distance to interceptor and current interceptor capacity.
In-line Storage	Storage	NO	No available capacity without increasing risk of flooding.
Off-line Storage (Tanks)	Storage	NO	Limited space for local or upstream tanks and low ratio of benefit to cost.
Off-line Storage (Shafts)	Storage	YES	Designated as Alternatives VS1 and VS2 for 25% and 50% volumetric control, respectively.
Off-line Storage (Tunnels)	Storage	YES	Designated as Alternatives DT1 and DT2 for 75% and 100% volumetric control, respectively.
Retention/Treatment Basins	Treatment	NO	Limited space. Also, BOD and TSS have not been identified as a source of non-attainment.
Outfall and Direct Disinfection	Treatment	NO	No available capacity to separate CSO from SW along the outfall barrel without increasing risk of flooding.
High Rate Clarification	Treatment	NO	BOD and TSS have not been identified as a source of non-attainment. Other control measures provide similar levels of bacteria reduction at a lower cost.

Table 8-4. Summary of Next Level of Control Measure Screening

Control Measure	Category	Retained for Further Analysis?	Remarks
Floatables Control	Water Quality/ Ecological Enhancement	NO	Would require extensive hydraulic relief structure to mitigate risk of flooding.
Environmental Dredging	Water Quality/ Ecological Enhancement	NO	No evidence of CSO-related sediment build-up.
Mechanical Aeration	WQ/ Ecological Enhancement	NO	DO levels are in attainment except in far upstream reach, where impact of CSO on DO is minimal.

As shown in Table 8-4, the retained control measures for Coney Island Creek include two configurations of off-line storage: vertical shafts and deep tunnels. These measures, which would provide a range of volumetric control from 25 to 100 percent, are presented in Table 8-5 along with a summary description of their specific components.

Table 8-5. Retained Alternatives

Alternative	Description
VS1 - 25% CSO Control Shaft	• 100 ft deep, 52-ft diameter storage shaft • 1.6 MG storage • 1,200 lf conveyance conduit
VS2 - 50 % CSO Control Shaft	• 100 ft deep, 84-ft diameter storage shaft • 4.1 MG storage • 1,200 lf conveyance conduit
DT1 - 75% CSO Control Tunnel	• 5,400-lf long, 15-ft diameter tunnel • 6.9 MG storage • Route A: 4,500 lf conveyance conduit • Route B: 4,900 lf conveyance conduit
DT2 - 100% CSO Control Tunnel	• 5,400-lf long, 21-ft diameter tunnel • 13.4 MG storage • Route A: 4,500 lft conveyance conduit • Route B: 4,900 lft conveyance conduit

The retained alternatives presented in Table 8-5 were then analyzed on the basis of their cost-effectiveness in reducing loads and improving attainment of WQS. These more advanced analyses are described in Sections 8.3 through 8.5.

8.3 CSO Reductions and Water Quality Impact of Retained Alternatives

To evaluate effects on bacteria loadings and water quality impacts, the retained alternatives listed in Table 8-5 were analyzed using both the Coney Island Creek watershed model and the water quality model. Evaluations of levels of CSO control for each alternative are presented below. In all cases, the predicted reductions shown are relative to the baseline conditions using 2008 John F. Kennedy

International Airport (JFK) rainfall as described in Section 6.0. The baseline assumptions were described in detail in Section 6.0 and include implementation of the grey infrastructure projects from the WWFP, along with the 1 percent GI penetration.

8.3.a CSO Volume and Bacteria Loading Reductions of Retained Alternatives

Table 8-6 summarizes the projected Coney Island Creek CSO volumes, and percent reductions in annual CSO volume and bacteria loads for the retained alternatives. Figure 8-6 presents a plot of annual bacteria load versus percent annual CSO volume reduction.

Table 8-6. Coney Island Creek Retained Alternatives Summary

Alternative	Annual CSO Volume (MGY)	Annual CSO Volume Reduction (%)	Annual Fecal Coliform Reduction (%)	Annual Enterococci Reduction (%)
Baseline Conditions	75	-	-	-
VS1 - 25% CSO Control Shaft	56	25	25	25
VS2- 50% CSO Control Shaft	37	50	50	50
DT1- 75% CSO Control Tunnel	19	75	75	75
DT2 - 100% CSO Control Tunnel	0	100	100	100

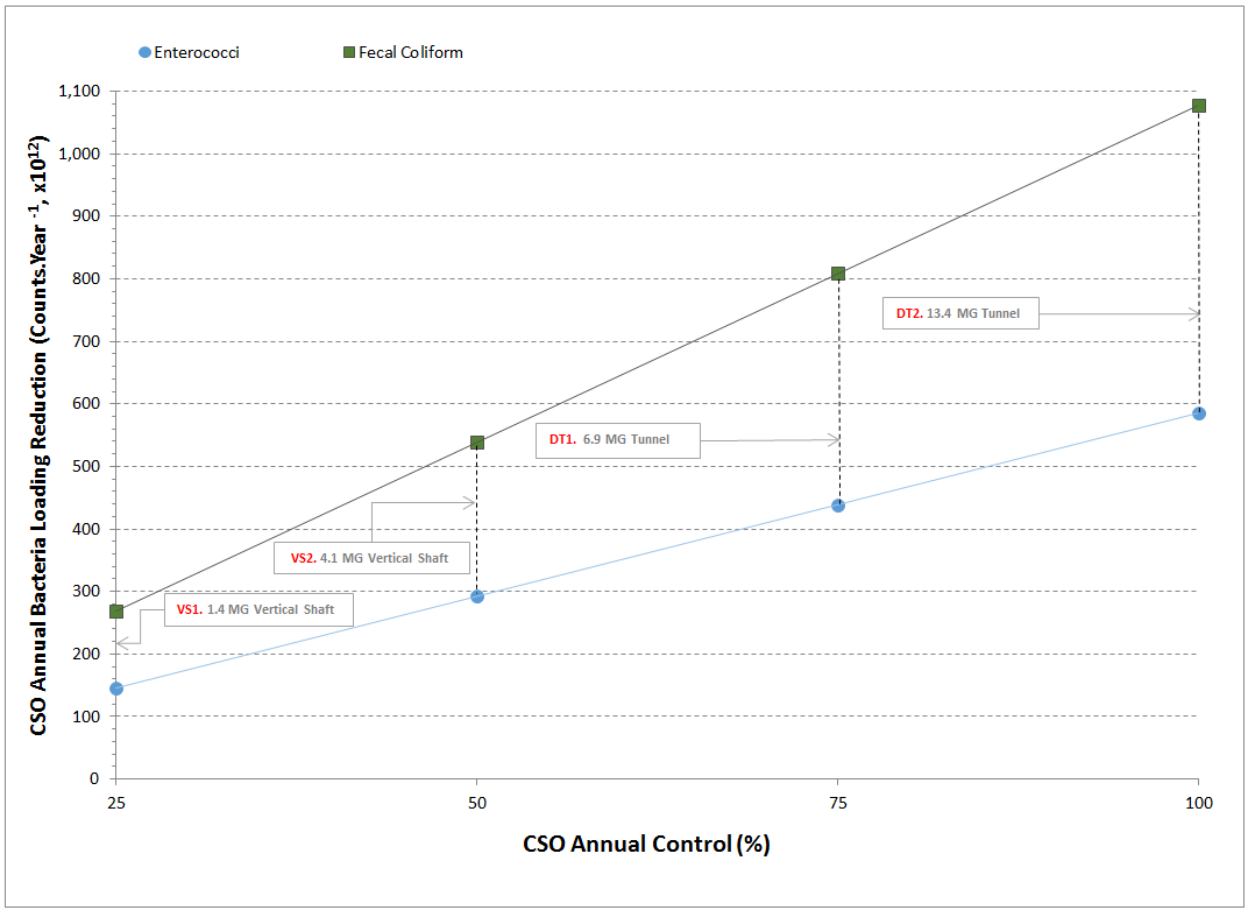


Figure 8-6. CSO Volume Reductions vs.
Annual CSO Bacteria Loading Reduction (2008 Rainfall)

Because the retained control alternatives would reduce loadings from the single CSO outfall through storage, the predicted bacteria loading reductions of the alternatives are directly proportional to the projected CSO volume reductions.

Table 8-7 presents the impacts of the retained alternatives on: (1) annual CSO volumes and frequency of overflows at Outfall OH-021; (2) annual CSO volume in the Owls Head system outside of Coney Island Creek; and (3) the treated volumes at the Owls Head WWTP. As indicated in Table 8-7, none of the alternatives are predicted to affect CSO volumes outside of Coney Island Creek.

Table 8-7. Summary of Predicted Impacts of Retained Alternatives – Coney Island Creek Watershed and OH WWTP Service Area

Alternative	Outfall OH-021(1)		All Other OH CSO Outfalls	Processed at OH WWTP
	Annual Volume MGY	Annual Activations	Annual Volume MGY	Annual Volume MGY
Baseline Conditions	75	20	2,760	34,510
1. VS1 - 25% CSO Control Shaft	56	13	2,730	34,560
2. VS2 - 50% CSO Control Shaft	37	9	2,720	34,590
3. DT1 - 75% CSO Control Tunnel	19	6	2,710	34,620
4. DT2 - 100 % CSO Control Tunnel	0	0	2,700	34,650

Note:
(1) Only CSO outfall in Coney Island Creek watershed.

8.3.b Water Quality Impacts

This section describes the levels of attainment with applicable current and potential future bacteria criteria within the Coney Island Creek that would be achieved through implementation of the retained CSO control alternatives listed in Table 8-5. The previous discussion focused on the predicted level of volumetric or bacteria pollution reductions.

Coney Island Creek is a Class I waterbody. Based on the analysis presented in Section 6.0, it was revealed that all locations along this portion of the waterbody are currently in attainment with the Class I fecal coliform criterion of 200 cfu/100mL during the recreational season (May 1st through October 31st). As explained in the Section 6.3 gap analysis discussion, bacteria loadings from other sources, particularly stormwater, direct drainage and other urban wet-weather discharges to Coney Island Creek, influence the fecal and enterococci concentrations to the extent that even the control of 100 percent of the CSO discharges to the Creek would not result in full attainment of fecal coliform criterion on an annual basis. The relationship between levels of CSO control through implementation of the retained alternatives, including 100 percent, and predicted levels of WQS attainment, are discussed in greater detail in Section 8.5.

8.4 Cost Estimates for Retained Alternatives

Evaluation of the retained alternatives requires cost estimation. The methodology for developing these costs is dependent upon the type of technology and its O&M requirements. The construction costs were developed as PBC and the total net present worth costs were determined by adding the estimated PBC to the NPW of the projected annual O&M costs at an assumed interest rate of 3 percent over a 20-year life cycle. All costs are in February 2016 dollars.

8.4.a Alternative VS1 – 1.6 MG Vertical Shaft

Costs for Alternative VS1 include planning-level estimates of the costs to construct and install the various components of a 1.6 MG Vertical Shaft, as well as the conveyance system between Regulator Av-1 and

the shaft. This alternative is described in detail in Section 8.2. Site acquisition costs are not included. The total cost, expressed as NPW, for Alternative VS1 is $89M as shown in Table 8-8.

Table 8-8. Costs for Alternative VS1 – 1.6 MG Vertical Shaft for 25% CSO control

Item	February 2016 Cost ($ Million)
Construction Cost	80.0
Annual O&M Cost	0.6
Total Present Worth	88.9

8.4.b Alternative VS2 – 4.1 MG Vertical Shaft

Costs for Alternative VS2 include planning-level estimates of the costs to construct and install the various components of a 4.1 MG Vertical Shaft, as well as the conveyance system between Regulator Av-1 and the shaft. This alternative is described in detail in Section 8.2. Site acquisition costs are not included. The total cost, expressed as NPW, for Alternative VS2 is $111M as shown in Table 8-9.

Table 8-9. Costs for Alternative VS2 – 4.1 MG Vertical Shaft for 50% CSO control

Item	February 2016 Cost ($ Million)
Construction Cost	101.6
Annual O&M Cost	0.6
Total Present Worth	111.2

8.4.c Alternative DT1 – 6.9 MG Deep Tunnel

Costs for Alternative DT1 include planning-level estimates of the costs to construct and install the various components of a 6.9 MG Deep Tunnel, as well as the conveyance system between Regulator Av-1 and the tunnel drop shaft. This alternative is described in detail in Section 8.2. Site acquisition costs are not included. The total cost, expressed as NPW, for Alternative DT1 is $154M as shown in Table 8-10.

Table 8-10. Costs for Alternative DT1– 6.9 MG Deep Tunnel for 75% CSO Control

Item	February 2016 Cost ($ Million)
Construction Cost	144.0
Annual O&M Cost	0.7
Total Present Worth	154.3

8.4.d Alternative DT2 – 13.4 MG Deep Tunnel

Costs for Alternative DT2 include planning-level estimates of the costs to construct and install the various components of a 13.4 MG Deep Tunnel, as well as the conveyance system between Regulator Av-1 and the tunnel drop shaft. This alternative is described in detail in Section 8.2. Site acquisition costs are not included. The total cost, expressed as NPW, for Alternative DT2 is $217M as shown in Table 8-11.

Table 8-11. Costs for Alternative DT2– 13.4 MG Deep Tunnel for 100% CSO Control

Item	February 2016 Cost ($ Million)
Construction Cost	205.3
Annual O&M Cost	0.8
Total Present Worth	217.3

The cost estimates of these retained alternatives are summarized below in Table 8-12 and are then used in the development of the cost-performance and cost- attainment plots presented in Section 8.5.

Table 8-12. Cost of Retained Alternatives

Alternative	PBC ($ Million)	Annual O&M Cost ($ Million)	Total Present Worth ($ Million)
1. VS1 - 25 % CSO Control Shaft	80.0	0.6	88.9
2. VS2- 50% CSO Control Shaft	101.6	0.6	111.2
3. DT1 - 75% CSO Control Tunnel	144.0	0.7	154.3
4. DT2 - 100 % CSO Control Tunnel	205.3	0.8	217.3

8.5 Cost-Attainment Curves for Retained Alternatives

The final step of the analysis is to evaluate the cost-effectiveness of the alternatives based on their NPW and projected impact on CSO loadings and attainment of applicable WQS.

8.5.a Cost-Performance Curves

Cost-performance curves were developed by plotting the costs of the retained alternatives against their predicted level of CSO control. Generally, CSO control is defined as the degree or rate of bacteria reduction through volumetric capture, treatment, or combinations of the two. Both the cost-performance and subsequent cost-attainment analyses focus on bacteria loadings and bacteria WQ criteria.

A linear best-fit cost curve was developed based on those alternatives judged most cost-effective for a defined level of CSO control as estimated by IW modeling for the typical year rainfall (2008). For the Coney Island Creek LTCP, the retained alternatives provide year-round volumetric reduction and the best-fit lines were based on annual levels of control.

The goal of the LTCP is to reduce CSO bacteria loadings to the waterbody so that such loadings no longer contribute to non-attainment of applicable WQS. Figures 8-7, 8-8 and 8-9 present the cost of the alternatives plotted against their associated projected annual CSO volume, enterococci and fecal coliform loading reductions, respectively. For the bacteria load reduction curves in Figures 8-8 and 8-9, the primary vertical axis shows percent CSO bacteria loading reductions. The secondary vertical axis shows the corresponding total bacteria loading reductions, as a percentage, when loadings from other non-CSO sources of bacteria are included.

Predicted enterococci and fecal coliform CSO loading reductions range from a low of 25 percent for Alternative VS1 – 1.6 MG Vertical Shaft, to a high of 100 percent for Alternative DT2 – 13.4 MG Deep Tunnel. When total loadings are considered, including non-CSO sources of bacteria, these reductions span from 8 percent to 31 percent for enterococci and from 12 percent to 46 percent for fecal coliform.

As shown in Figures 8-7 through 8-9, no clear KOTC is associated with a given alternative covering the range of costs from $89M to $217M. However, based on the slope of the line through the points, Alternatives DT1 and DT2 appeared to show slightly diminishing returns versus cost compared to Alternatives VS1 or VS2.

8.5.b Cost-Attainment Curves

The cost-performance plots shown in Figures 8-7 through 8-9 indicate that the retained alternatives would provide incremental gains in performance as the size and cost of the alternatives increased. The next step of the LTCP evaluation is a cost-benefit assessment of the water quality improvements realized by each retained alternative, as measured through attainment of bacteria WQS.

As such, this section evaluates the relationship of the costs of the retained alternatives versus their expected level of attainment of Primary Contact WQ Criteria and Potential Future Primary Contact WQ Criteria as simulated using CICWQM under 2008 rainfall conditions. For the Primary Contact WQ Criteria, attainment of the monthly GM of 200 cfu/100mL both on an annual and recreational season (May 1st through October 31st) basis is plotted. For the Potential Future Primary Contact WQ Criteria, attainment of the rolling 30-day GM and the STV are plotted. The resultant curves are presented as Figures 8-10 through 8-16 for seven locations along Coney Island Creek.

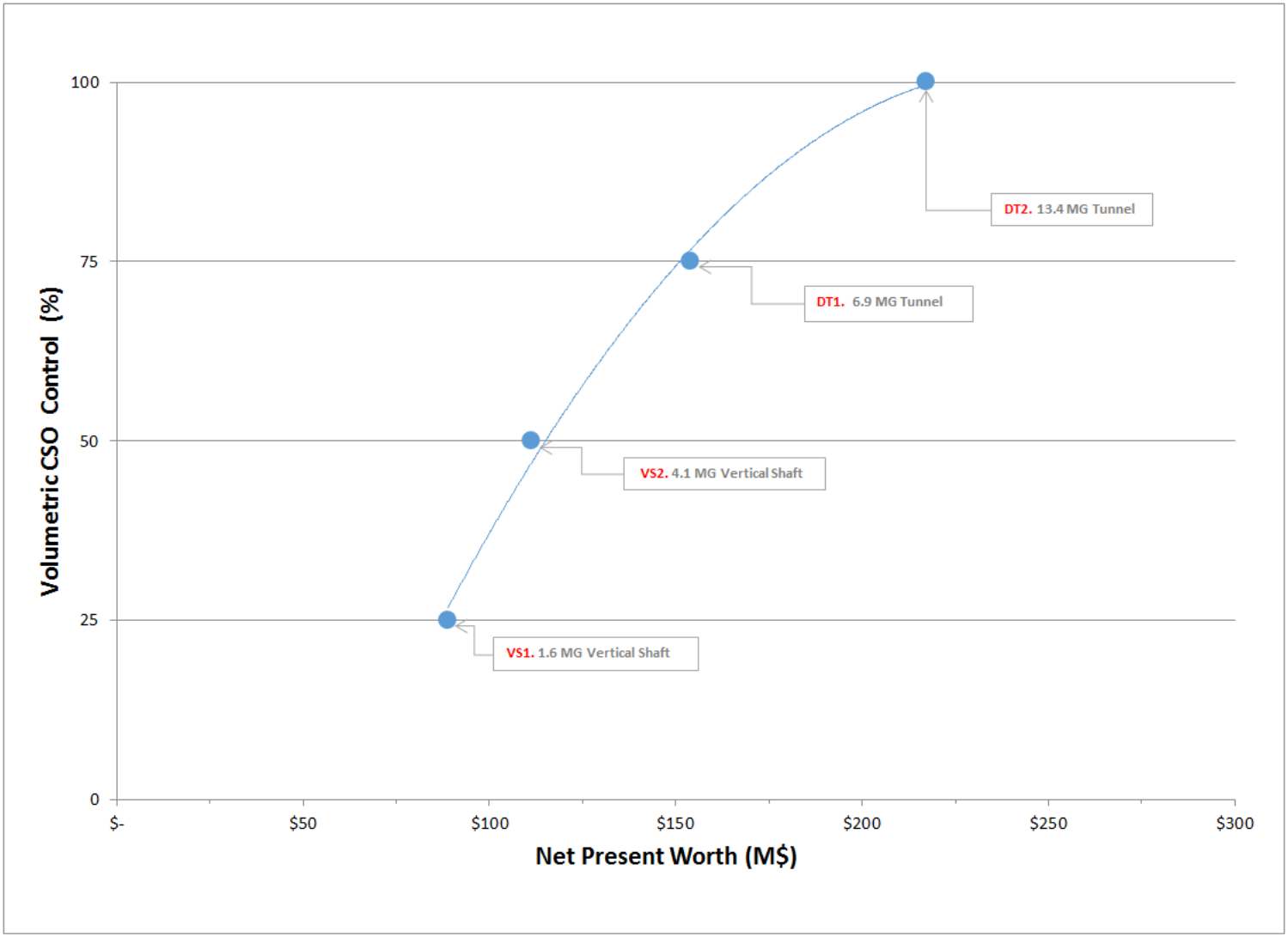


Figure 8-7.Cost vs. Volumetric CSO Control (2008 Rainfall)

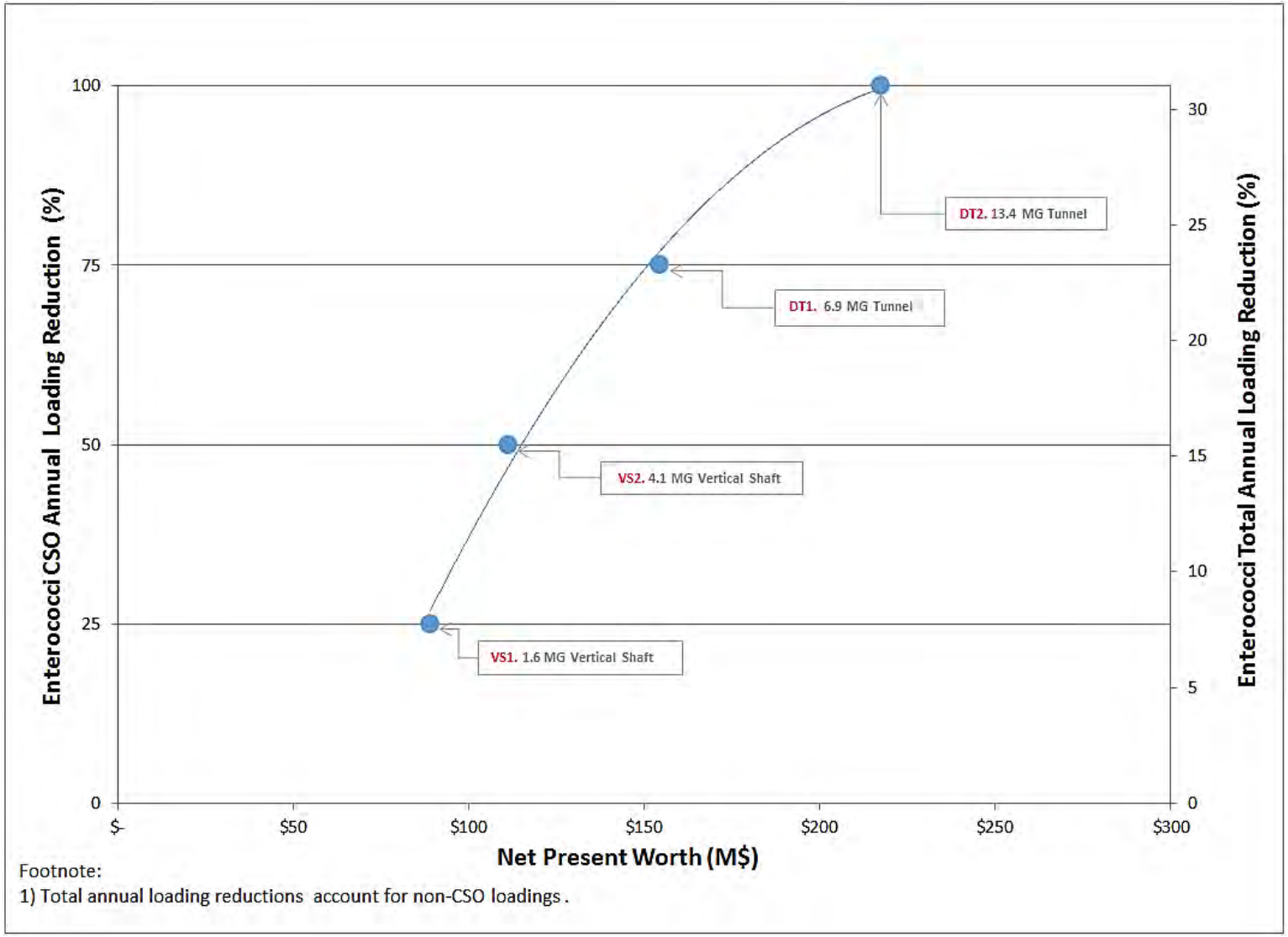


Figure 8-8. Cost vs. Enterococci Loading Reduction (2008 Rainfall)

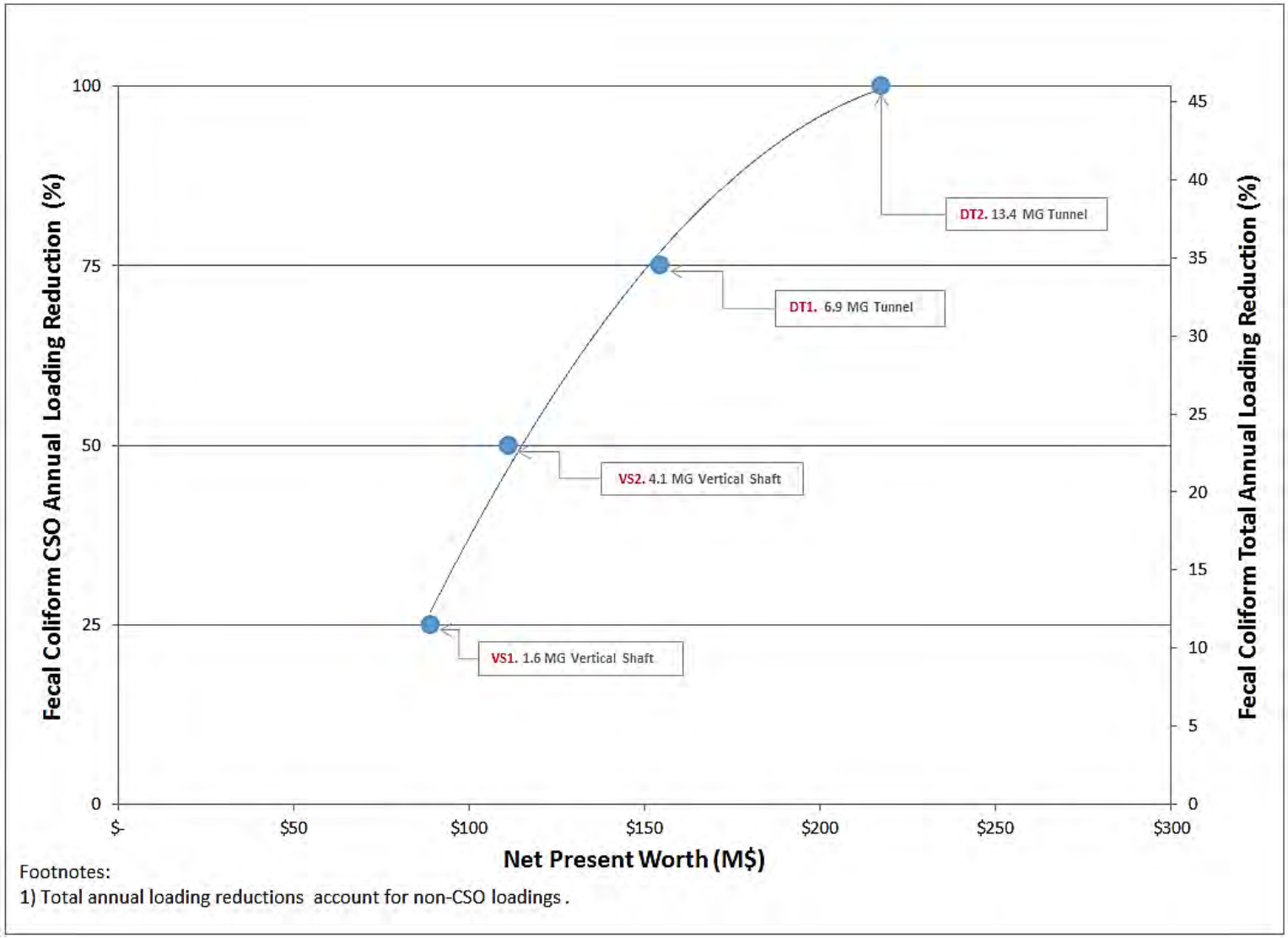


Figure 8-9. Cost vs. Fecal Coliform Loading Reduction (2008 Rainfall)

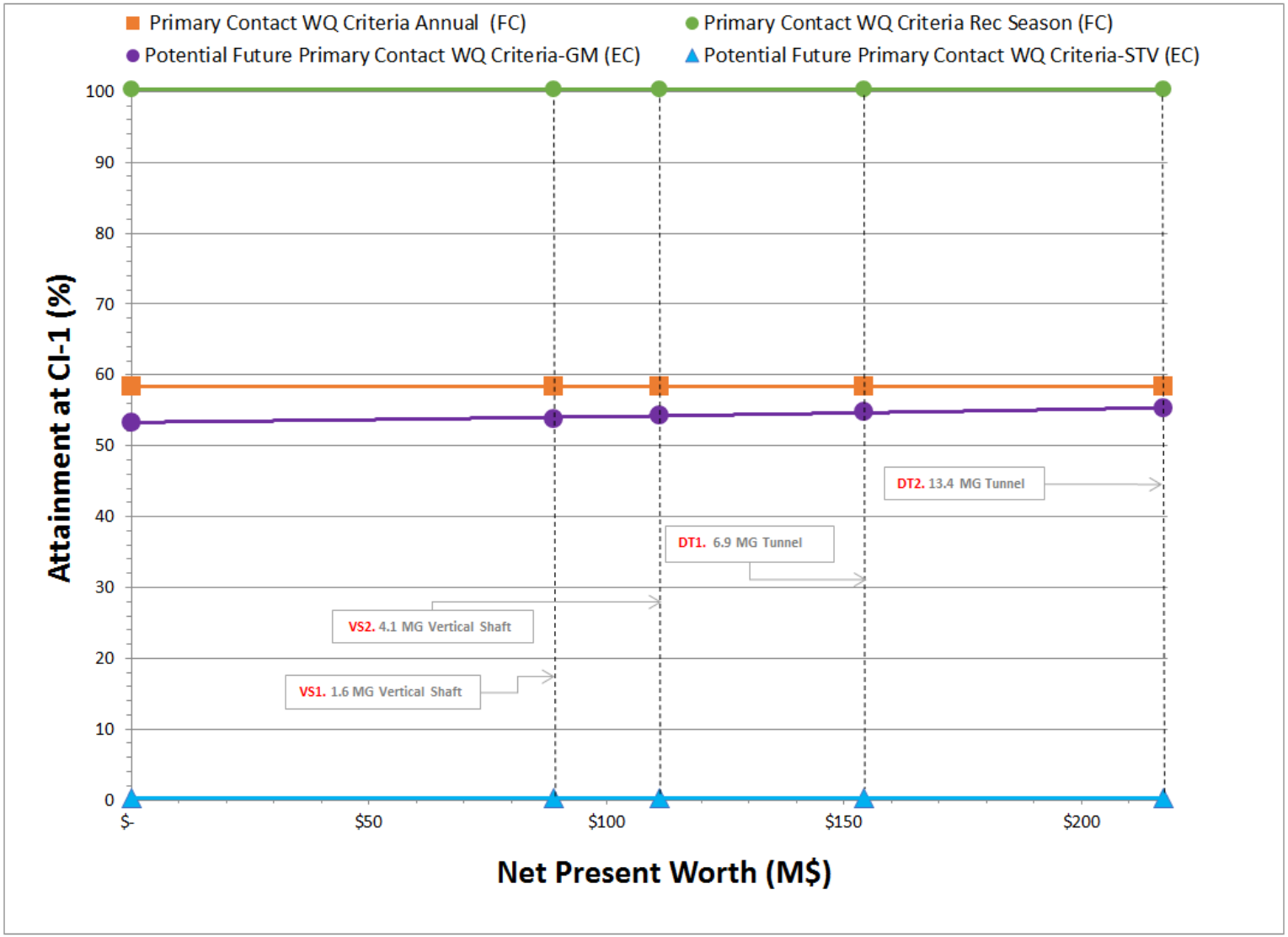


Figure 8-10. Cost vs. Bacteria Attainment at Station CI-1 (2008 Rainfall)

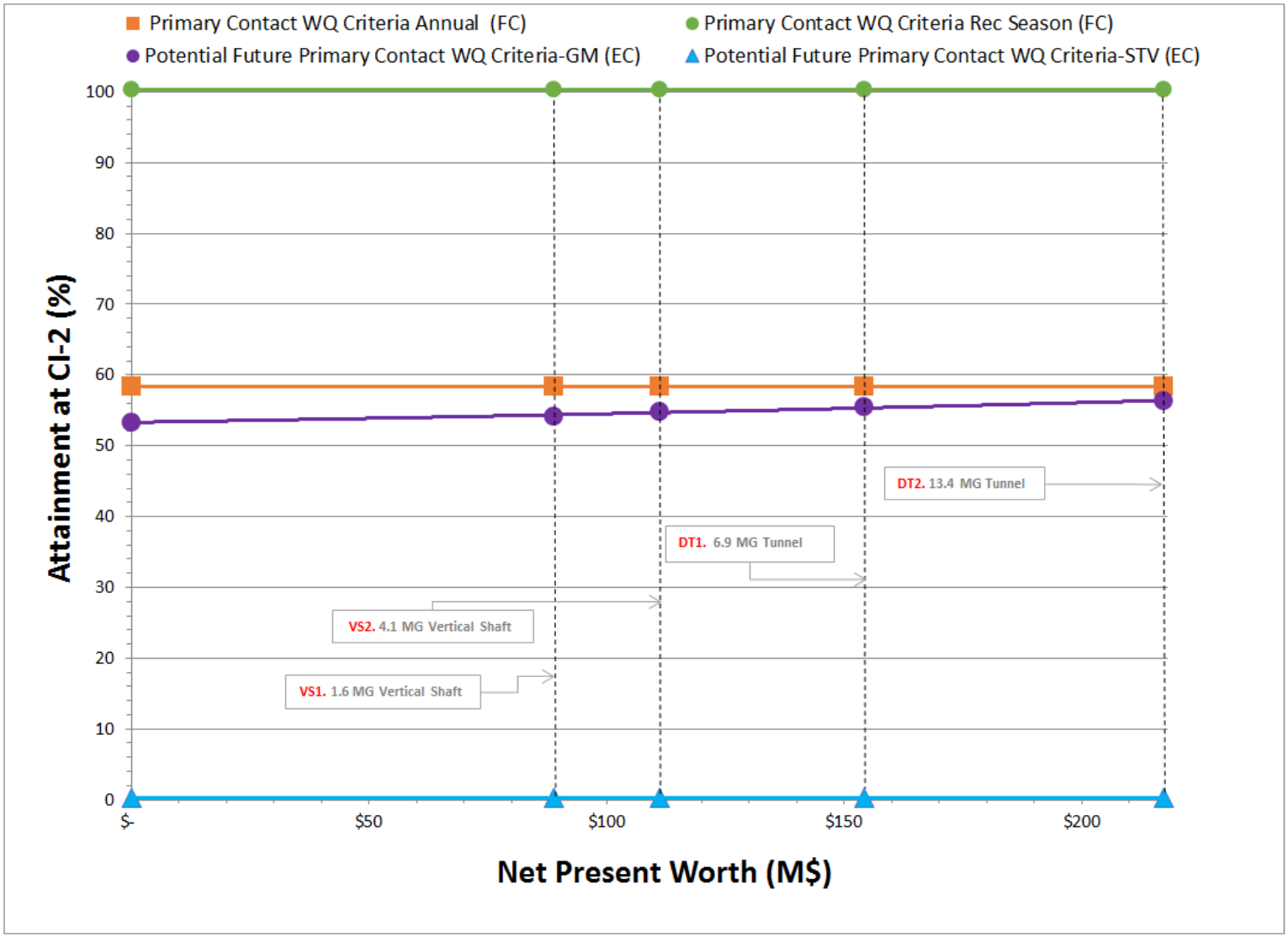


Figure 8-11. Cost vs. Bacteria Attainment at Station CI-2 (2008 Rainfall)

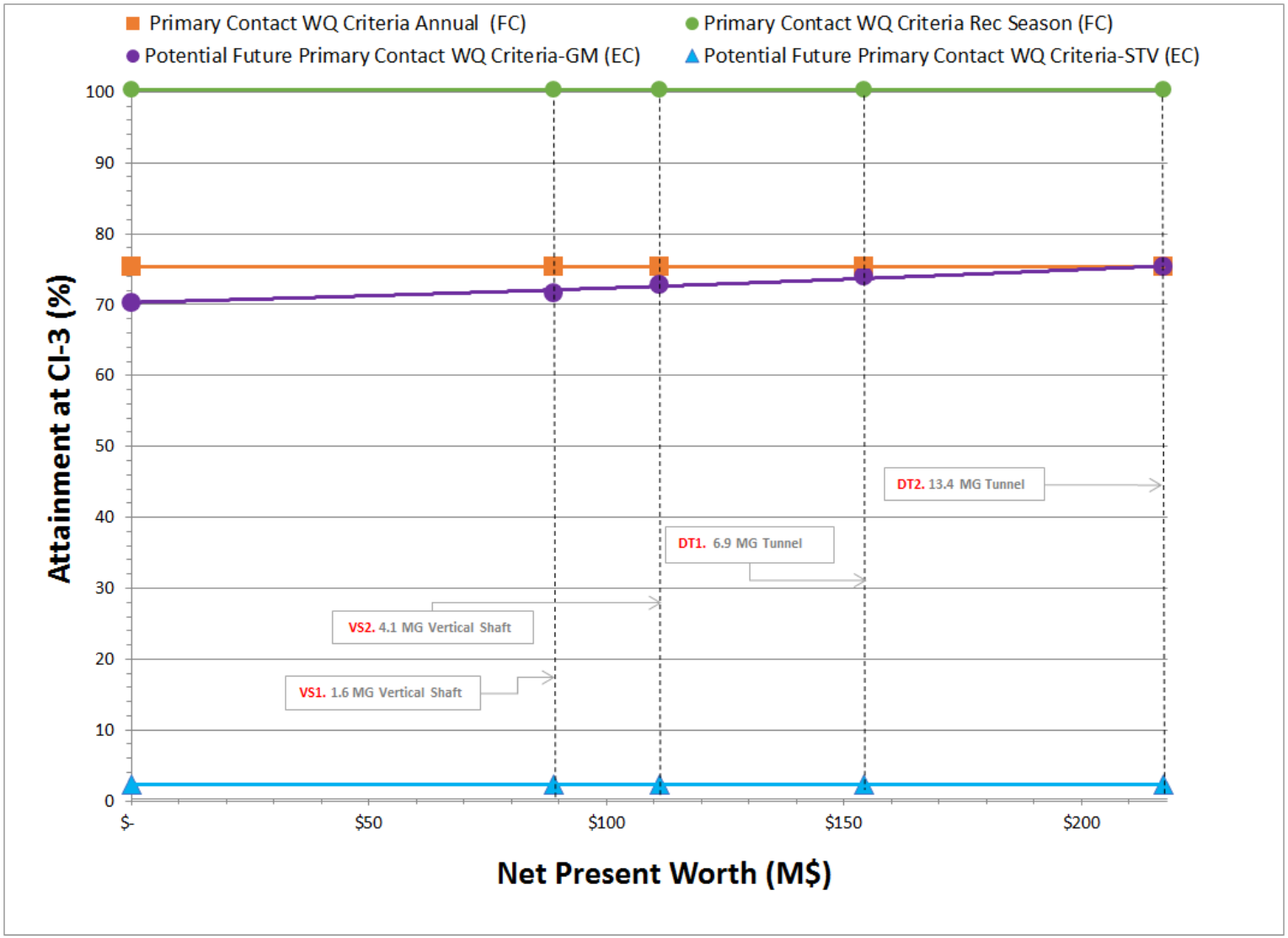


Figure 8-12. Cost vs. Bacteria Attainment at Station CI-3 (2008 Rainfall)

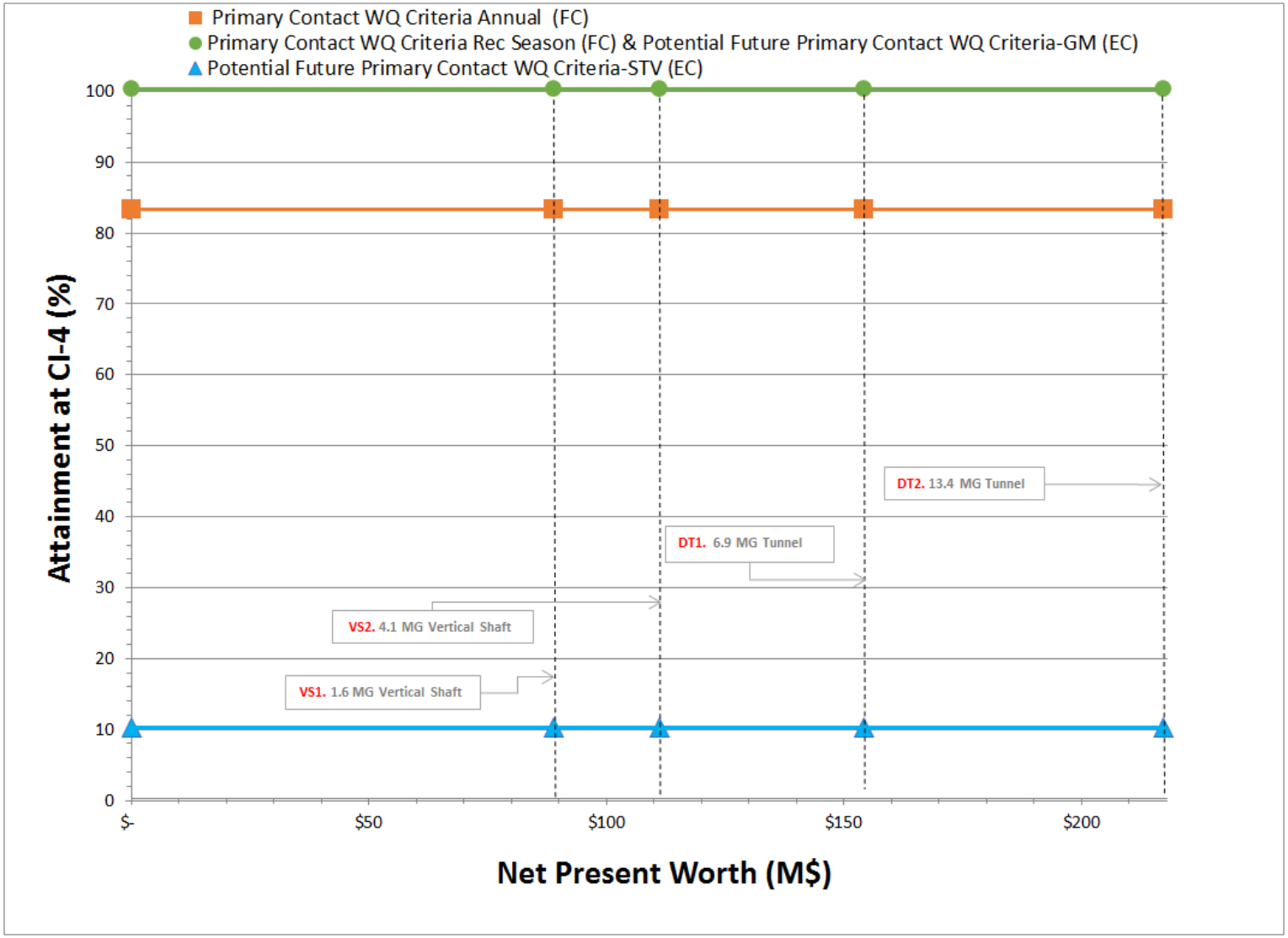


Figure 8-13. Cost vs. Bacteria Attainment at Station CI-4 (2008 Rainfall)

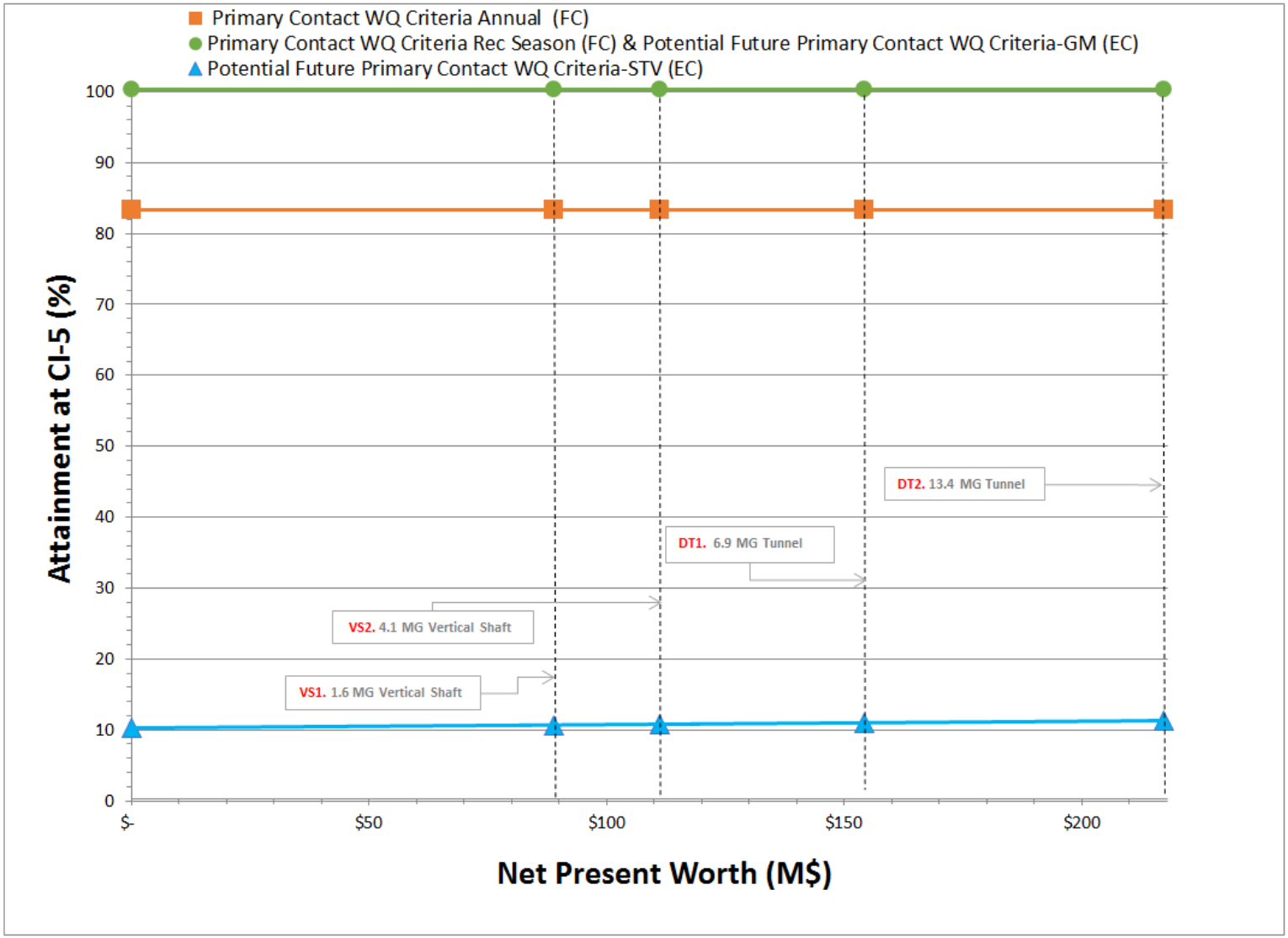


Figure 8-14. Cost vs. Bacteria Attainment at Station CI-5 (2008 Rainfall)

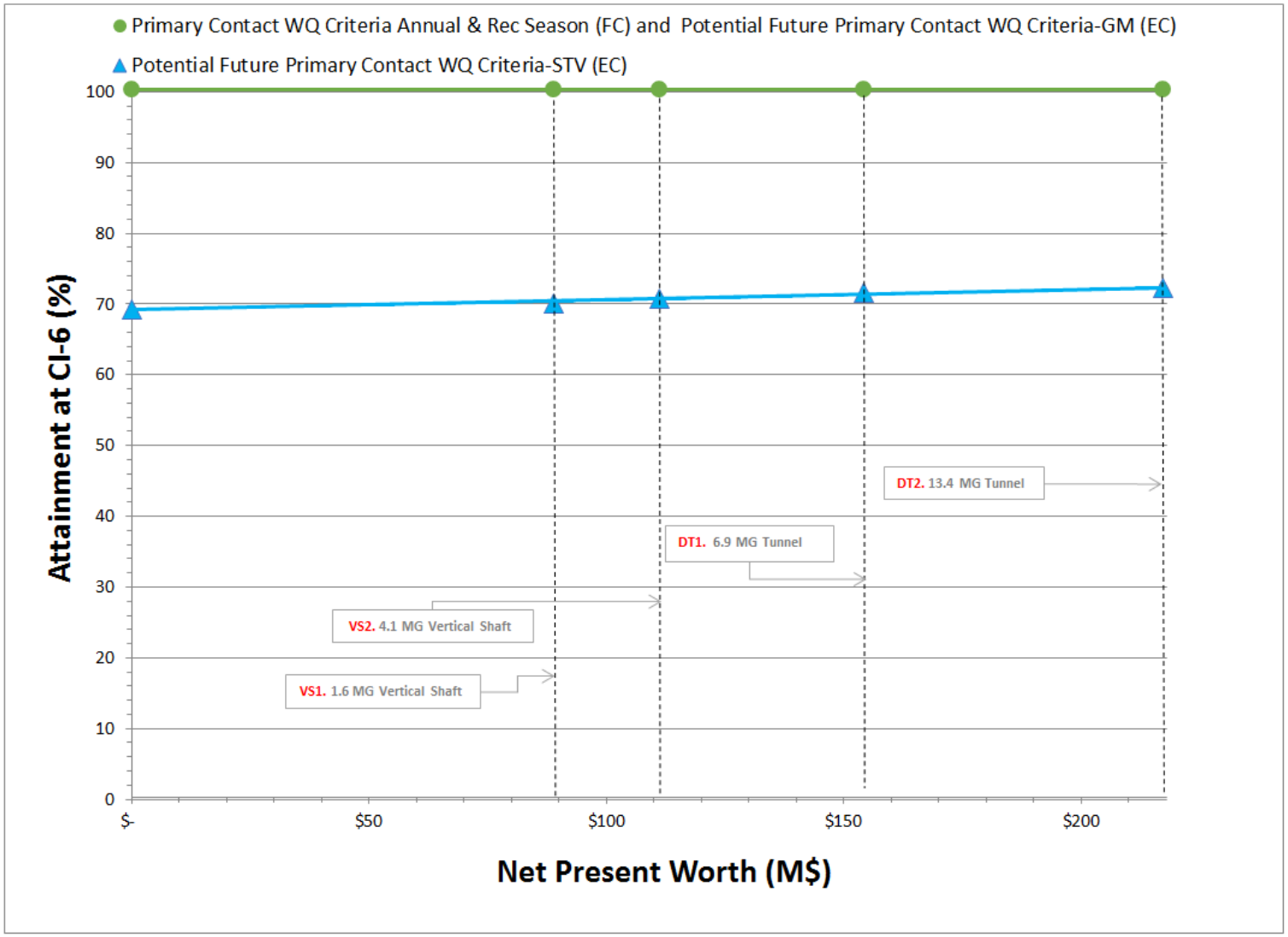


Figure 8-15. Cost vs. Bacteria Attainment at Station CI-6 (2008 Rainfall)

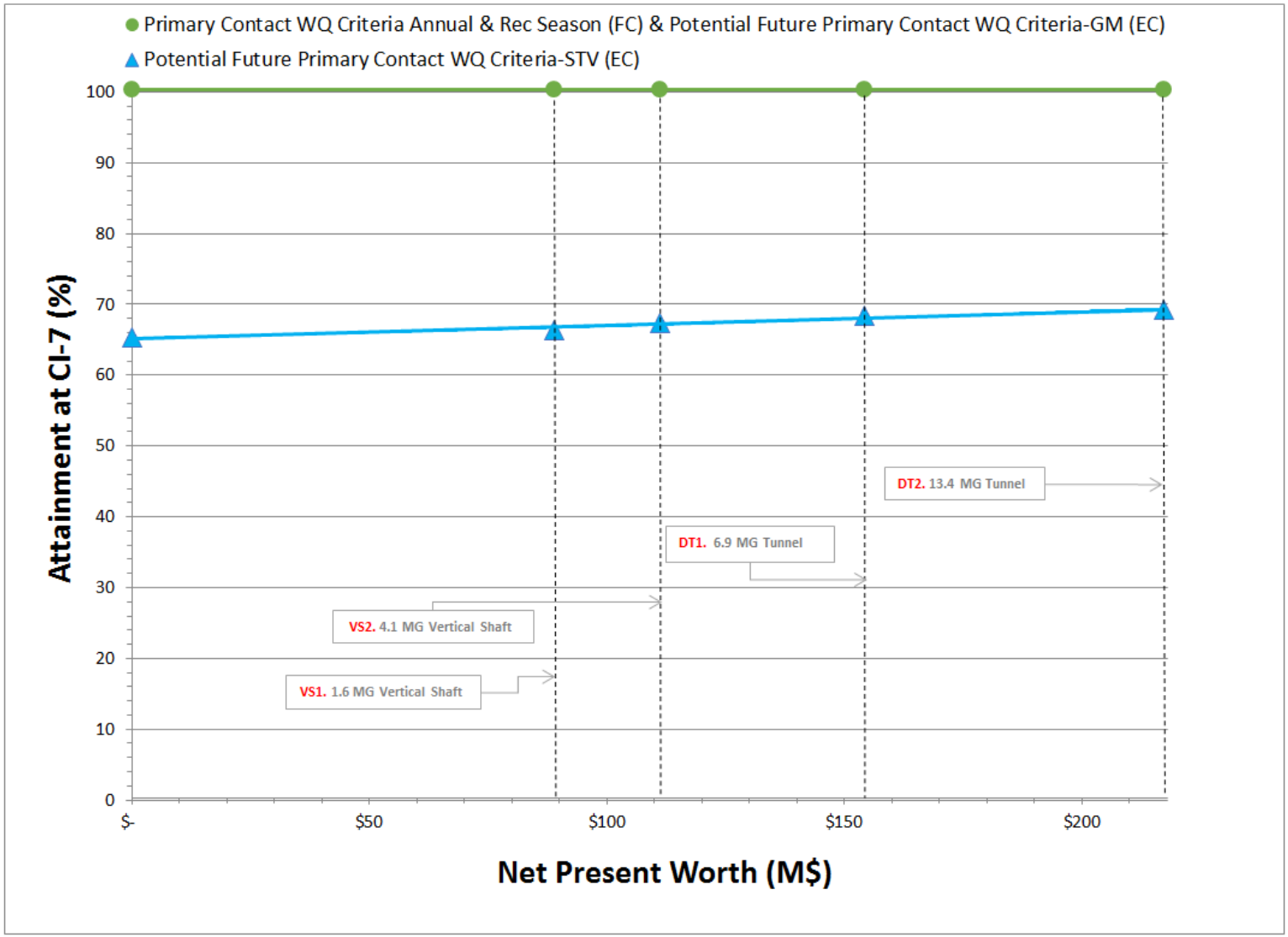


Figure 8-16. Cost vs. Bacteria Attainment at Station CI-7 (2008 Rainfall)

As indicated in Figures 8-10 to 8-16, Coney Island Creek is predicted to be in compliance with the Primary Contact WQ fecal coliform criterion during the recreational season (May 1st through October 31st) at all stations, for baseline conditions and all four alternatives evaluated, for the 2008 typical year. At Stations CI-1 to CI-5, annual attainment of the Primary Contact WQ Criteria is predicted to be lower, with the minimum attainment being 58 percent at the head end of the Creek (Station CI-1). None of the alternatives resulted in a change in the annual attainment values, so even with 100% CSO control, the Primary Contact WQ Criteria would not be attained on an annual basis at all of the stations.

As demonstrated in Section 6.0, and shown graphically on Figures 8-10 through 8-16, the seasonal Primary Contact WQ Criteria attainment is already achieved under baseline conditions. The greatest benefit of a hypothetical implementation of 100% CSO control within the Coney Island Creek watershed would be at Station CI-3, where attainment of the GM Potential Future Primary Contact WQ Criteria would increase from 70 percent under baseline conditions to 75 percent with 100% CSO control. The required level of control for such a minor improvement in attainment of the Potential Future Primary Contact WQ Criteria would have a NPW cost of about $217M.

All the retained alternatives that offer intermediate levels of CSO control are projected to realize even less improvement in attainment of current or potential future WQS.

8.5.c Conclusion on Preferred Alternative

The selection of the preferred alternative for the Coney Island Creek LTCP included consideration of public input, predicted environmental and water quality benefits and costs. The following discussion presents the rationale for selecting the retained alternative that was deemed the preferred alternative.

The previous sections described the results of the cost-performance and cost-attainment analyses that were performed on the retained alternatives for the Coney Island Creek LTCP. The cost-performance curves showed either Alternative VS1 or VS2 as the most cost-effective retained alternative with respect to the level of CSO control. Based on the slope of the line through the points, Alternatives DT1 and DT2 appeared to show slightly diminishing returns versus cost. However, no clear inflection point was evident from the plot.

When the retained alternatives are evaluated in terms of their cost-effectiveness in improving attainment of WQS, it is clear that no meaningful gains are associated with any level of CSO control, including 100 percent.

Based on the findings above, it is evident that the most cost-effective alternative for significantly reducing CSOs to Coney Island Creek has already been implemented. That project, the upgrade of the Avenue V Pumping Station, resulted in nearly a 70 percent reduction in the annual CSO volume discharged to Coney Island Creek. Since the retained alternatives for additional levels of CSO control presented above would have minimal to no impact on improving attainment of WQS, the preferred alternative for the Coney Island Creek LTCP is the continuation of the GI implementation program included in the baseline conditions, as well as other sewer improvements planned or already taking place in the Coney Island Creek watershed.

The CICWQM model was used to characterize WQS attainment for this preferred alternative by running the model for the full 10-year (2002-2011) simulation period. During this simulation period it was assumed that any potential illicit discharges to the Creek are abated. Results from this broader 10-year simulation

period are presented in Tables 8-13 through 8-16. In particular, Table 8-13 shows the attainment with the Primary Contact WQ fecal coliform criterion on an annual and recreational season (May 1st through October 31st) basis; Table 8-14 shows the attainment with the existing (Class I) WQ criteria for DO; Table 8-15 shows the attainment with the Class SC DO criteria; and Table 8-16 calculated 10-year preferred alternative attainment of Potential Future Primary Contact WQ Criteria.

It should be noted that these modeling analyses were conducted using the assumption that ongoing microbial analyses will show that the existing high levels of fecal coliform in the Creek are not enteric related and will be resolved through changes to microbial laboratory analyses. Should this not be the case, these analyses will need to be revised.

Table 8-13. Calculated 10-year Preferred Alternative Attainment of Existing WQ Criteria and Bacteria Primary Contact WQ Criteria

Station(1)		Fecal Coliform Attainment (%)	
		Annual	Recreational Season(1)
CI-1	Primary Contact Fecal Coliform GM < 200 cfu/100mL	57	93
CI-2		56	93
CI-3		65	98
CI-4		90	100
CI-5		91	100
CI-6		100	100
CI-7		100	100

Notes:
(1) The Recreational Season is from May 1st through October 31st. Class I standard of fecal coliform is 200 cfu/100ml.

Table 8-14. Model Calculated Preferred Alternative DO Attainment – Existing WQ Criteria (2008) Station

		DO Annual Attainment (%)
		Entire Water Column
		≥ 4.0 mg/L
CI-1	Saline (Class I)	90
CI-2		95
CI-3		96
CI-4		98
CI-5		99
CI-6		99
CI-7		99

Table 8-15. Model Calculated 2008 Preferred Alternative DO Attainment - Class SC WQ Criteria

Station		DO Annual Attainment (%) (Water Column)	
		Preferred Alternative	
		≥ 4.8 mg/L	≥ 3.0 mg/L
CI-1	Saline (Class SB)	82	95
CI-2		92	98
CI-3		92	99
CI-4		94	100
CI-5		95	100
CI-6		95	100
CI-7		97	100

Table 8-16. Calculated 10-year Preferred Alternative Attainment of Potential Future Primary Contact Water Quality Criteria

Station		Enterococci Attainment Recreational Season (%)	
		GM <30	90th Percentile STV <110
CI-1	Potential Future Primary Contact WQ Bacteria Criteria	47	2
CI-2		48	2
CI-3		62	5
CI-4		81	14
CI-5		82	16
CI-6		99	70
CI-7		99	59

The preferred alternative is projected to result in a very high level of seasonal attainment with existing bacteria WQ. The other retained alternatives would require expenditure of significant cost and would provide only marginal benefit. The majority of the non-attainment is attributable to other non-CSO loading sources, and even 100 percent CSO control would not provide further WQS improvement. For these reasons, the preferred alternative, representing baseline conditions, is the most suitable outcome for this LTCP.

8.6 Use Attainability Analysis

The 2012 CSO Consent Order requires that a UAA be included in an LTCP "where existing WQS do not meet the Section 101(a)(2) goals of the CWA, or where the proposed alternative set forth in the LTCP will not achieve existing WQS or the Section 101(a)(2) goals". The UAA shall "examine whether applicable waterbody classifications, criteria, or standards should be adjusted by the State." The UAA process specifies that States can remove a designated use which is not an existing use if the scientific assessment can demonstrate that attaining the designated use is not feasible for at least one of six reasons:

1. Naturally occurring loading concentrations prevent the attainment of the use; or
2. Natural, ephemeral, intermittent or low flow conditions or water levels prevent the attainment of the use, unless these conditions may be compensated for by the discharge of sufficient volume of effluent discharges without violating State water conservation requirements to enable uses to be met; or
3. Human caused conditions or sources of pollution prevent the attainment of the use and cannot be remedied or would cause more environmental damage to correct than to leave in place; or
4. Dams, diversions or other types of hydrologic modifications preclude the attainment of the use, and it is not feasible to restore the waterbody to its original condition or to operate such modification in a way that would result in the attainment of the use; or
5. Physical conditions related to the natural features of the waterbody, such as the lack of a proper substrate, cover, flow, depth, pools, riffles, and the like, unrelated to water quality, preclude attainment of aquatic life protection uses; or
6. Controls more stringent than those required by Sections 301(b) and 306 of the Act would result in substantial and widespread economic and social impact.

As part of the LTCP, elements of a UAA, including the six conditions presented above, will be used to determine if changes to the designated use are warranted, considering a potential adjustment to the designated use classification as appropriate.

For Coney Island Creek, projected compliance, i.e., at least 95 percent attainment, will not be met for the following water quality criteria:

- Annual Primary Contact Fecal coliform monthly geometric mean criterion of 200 cfu/100mL.
- Recreational Season Primary Contact Fecal coliform monthly geometric mean criterion of 200 cfu/100mL.
- Annual Class I DO criterion of never less than 4.0 mg/L.

The non-compliance with these WQS is discussed in the UAA in Appendix C.

8.6.a Use Attainability Analysis Elements

The objectives of the CWA include providing for the protection and propagation of fish, shellfish, wildlife, and recreation in and on the water. Cost-effectively maximizing the water quality benefits associated with CSO reduction is a cornerstone of this LTCP.

To simplify this process, DEP and DEC have developed a framework that outlines the steps taken under the LTCP in two possible scenarios:

1. Waterbody meets WQ requirements. This may either be the existing WQS (where primary contact is already the designated best use) or assess for an upgrade. In either case, a high-level assessment of the factors that define a given designated use is performed, and if the level of control required to meet this goal can be reasonably implemented, a change in designation may be pursued following implementation of CSO controls and post-construction compliance monitoring.

2. Waterbody does not meet WQ requirements. In this case, if a higher level of control is not feasible, the UAA must justify the shortcoming using at least one of the six criteria (see Section 8.6 above). It is assumed that if 100 percent elimination of CSO sources does not result in attainment, the UAA would include factor number 3 at a minimum as justification (human caused conditions or sources of pollution prevent the attainment of the use and cannot be remedied, or would cause more environmental damage to correct than to leave in place).

As discussed in Section 2.0 and 6.0, stormwater, direct drainage and CSOs contribute to bacteria levels in Coney Island Creek. As noted in Table 6-12 of Section 6.0, the 2008 component analysis also indicates that 100 percent removal of CSOs would not result in complete attainment of the Primary Contact WQ Criterion for fecal coliform and demonstrates that other sources contribute to the non-attainment of bacteria Primary Contact WQS criteria. These non-CSO sources also preclude attainment of the designated Class I and next higher classification SC DO criteria, as demonstrated in Table 6-7, where it is reported that 100% CSO control would not bring the upper head end of the Creek into compliance, i.e., 95 percent at a minimum.

8.6.b Fishable/Swimmable Waters

The goal of this LTCP is to identify appropriate CSO controls necessary to achieve waterbody-specific WQS, consistent with EPA's CSO Control Policy and subsequent guidance. DEC considers that compliance with Class I WQS, the current classification of Coney Island Creek, as fulfillment of the CWA's fishable/swimmable goal.

The preferred alternative summarized in Section 8.5 results in the levels of attainment with fishable/swimmable criteria as follows.

Water quality modeling analyses conducted for the 10-year simulation period, summarized in Tables 8-13 and 8-17, show that portions of Coney Island Creek are not projected to comply with the Existing WQ Criteria (Class I) monthly fecal coliform criterion of 200 cfu/100mL for that period. For the recreational season (May 1st through October 31st), the waterbody will be very close to compliance, with 100 percent attainment throughout except at the head end of the Creek, where projected attainment levels are 93 percent.

Compliance with the Potential Future Primary Contact WQ Criteria of 30 cfu/100mL for enterococci is predicted (Table 8-17) to be lower than attainment of the fecal coliform criterion. Attainment of the enterococci 30-day rolling GM during the recreational season (May 1st through October 31st) ranged from 47 to 99 percent. Attainment of the 110 cfu/100mL STV criterion during the recreational season (May 1st through October 31st) ranged from 2 to 70 percent.

Based on the previously demonstrated non-CSO related cause for non-attainment of WQS, DEP is proposing that the continued efficient operation of the Avenue V Pumping Station, in addition to the implementation of the currently planned GI for the Coney Island Creek watershed, constitute the LTCP recommended plan.

A UAA is required to justify this selection based on the relevant criteria listed above. Since the analyses proved that even 100 percent elimination of CSO sources does not result in attainment, the UAA in Appendix C includes a discussion on the sources of pollution that prevent the attainment of WQS.

8.6.c Assessment of Highest Attainable Use

The analyses contained herein, as noted above in Section 8.5.c and summarized in Table 8-17, indicate that Coney Island Creek is not projected to comply with the Primary Contact WQ Criteria 100 percent of the time on an annual or recreational season (May 1st through October 31st) basis. For the purpose of this LTCP, compliance with the standards was considered to be achieved for 95 percent attainment or higher. The modeling analysis assessed whether the recommended plan would improve water quality to allow for attainment of the Primary Contact WQ Criteria, both annually and during the recreational season (May 1st through October 31st). As shown in Table 8-13 above, fecal coliform bacteria levels are projected to meet the criterion seasonally, under the modeling assumptions, at all but two locations near the head of the Creek (Stations CI-1 and CI-2) but still do not attain the criterion on an annual basis at all but two locations closer to Lower New York Bay (Stations CI-6 and CI-7). Table 8-17 summarizes the compliance for the identified plan.

Table 8-17. LTCP Compliance with WQ Standards

Location	Meets Existing WQ Criteria (Class I)	Meets Potential Future Primary Contact WQ Criteria
Coney Island Creek	NO(1,2)	NO(1)

Note:
(1) NO indicates attainment is calculated to be ≤ 95 percent of time.
(2) Primary Contact WQ monthly geomean criteria not met annually or during the recreational season (May 1st through October 31st).

8.7 Water Quality Goals

8.7.a Existing Water Quality

Based on the analyses of Coney Island Creek and the WQS associated with the designated uses, it is concluded that Coney Island Creek is a productive Class I waterbody that essentially can support existing uses, kayaking and wildlife propagation towards the mouth and wildlife propagation throughout its extension. As previously noted, upstream areas of the Creek at the head end, where non-CSO loading sources are primarily responsible for the localized decline in attainment WQS, are not fully protective of its designated use.

8.7.b Potential Future Water Quality Criteria

DEP is committed to improving water quality in Coney Island Creek. However, as demonstrated throughout this LTCP, CSOs are not the primary source of non-attainment of WQS. Based on this assessment, DEP has identified instruments for Coney Island Creek that will allow DEP to continue to improve water quality in the system over time. Wet-weather advisories based on time-to-recovery analysis are recommended for consideration while the work advances on abatement of other non-CSO sources of pollution. The goal of this process will ultimately be attainment of the Existing WQ Criteria, and potentially others under consideration by DEC, including Potential Future Primary Contact WQ Criteria consistent with the EPA 2012 RWQC.

8.7.c Time to Recovery

Although Coney Island Creek could possibly be protective of the primary contact use during the recreational season (May 1st through October 31st), it will not be capable of supporting primary contact 100 percent of the time towards the head end. Even with the significant CSO reductions resulting from grey infrastructure currently in operation, as well as planned GI, the waterbody cannot support primary contact during and following rainfall events. Toward the goal of maximizing the amount of time that Coney Island Creek can achieve water quality levels to support primary contact, DEP has performed an analysis to assess the amount of time following the end of a rainfall event required for Coney Island Creek to recover and return to fecal coliform concentrations less than 1,000 cfu/100mL. The analyses consisted of examining the water quality model simulation of the August 14-15, 2008 storm. Details on the selection of this storm are provided in Section 6.0. The time to return to 1,000 cfu/100mL was then tabulated for each location along Coney Island Creek. As with the other water quality runs for Coney Island Creek, the time-to-recovery analysis was based on a condition that illicit discharges are abated. The results of this analysis are summarized in Table 8-18. As noted, the duration of time within which bacteria concentrations are expected to be higher than the DOH considers safe for primary contact varies by location in Coney Island Creek. The time to recovery, however, is within the DEC desired target of 24-hours for the preferred alternative. In Coney Island Creek, the predicted time to recovery is driven primarily by the non-CSO wet-weather loadings impacting the Creek.

Table 8-18. Time to Recovery with Recommended Plan (August 14-15, 2008)

Station	Preferred Alternative Time to Recovery (hrs) Fecal Coliform Target (1,000 cfu/100mL)
CI-1	24
CI-2	23
CI-3	20
CI-4	11
CI-5	9
CI-6	0
CI-7	0

8.8 Recommended LTCP Elements to Meet Water Quality Goals

Water quality in Coney Island Creek has significantly improved with the recent upgrades to the Avenue V Pumping Station located upstream of Outfall OH-021, the only CSO outfall that discharges to Coney Island Creek. The LTCP demonstrated that further reduction of CSO discharges, up to 100 percent control, would not result in tangible improvements in attainment of WQS. As such, DEP recommends that efforts to improve water quality in the Creek focus on other non-CSO sources of pollution outside the purview of this LTCP.

This LTCP includes a UAA that assesses compliance with Primary Contact WQ Criteria based on projected performance of the currently operational CSO controls.

A wet-weather advisory during the recreational season (May 1st through October 31st) during which primary or secondary contact would not be recommended in Coney Island Creek will be established in coordination with the DOHMH. The LTCP includes a recovery time analysis that can be used to establish the duration of the wet-weather advisory for public notification.

DEP is committed to improving water quality in this waterbody, which will be advanced by the improvements and actions identified under watershed improvement programs outside the CSO LTCP framework.

DEP will also continue its trackdown program to remove illicit discharges, and on a parallel track, will continue the additional fecal coliform microbial testing. These efforts will either result in a reduction in Coney Island Creek fecal coliform levels by the elimination of illicit discharges or by changes made to the microbial laboratory analyses design to target enteric pathogen indicators only.

9.0 LONG-TERM CSO CONTROL PLAN IMPLEMENTATION

The evaluations performed for this Coney Island Creek LTCP concluded that the Creek does not meet its current Class I water quality classification for bacteria. The evaluations also found that 100 percent control of CSO discharges would not result in full attainment of the annual Class I or the seasonal Primary Contact WQ Criteria, the key LTCP bacteria criterion. As detailed in Sections 6.0 and 8.0, due to the influence of other wet-weather pollution sources in Coney Island Creek, full attainment of Primary Contact WQ Criteria cannot be achieved through the control of CSO discharges to the Creek alone. In sum, other factors affecting the Creek's water quality limit its highest attainable use to secondary contact recreation.

9.1 Adaptive Management (Phased Implementation)

As defined by EPA, adaptive management is the process by which new information about the characteristics of a watershed is incorporated into a watershed management plan on a continuing basis. The process relies on establishing a monitoring program, evaluating monitoring data and trends and making adjustments or changes to the plan. The DEP will continue to apply the principles of adaptive management to this LTCP based on its annual evaluation of monitoring data, which will be collected to sustain the operation and effectiveness of the CSO controls currently operational.

NYC is also developing a program to further address stormwater discharges as required under NYC's Municipal Separate Stormwater Sewer System (MS4) permit. This program, together with the actions identified in this LTCP, may further improve water quality in Coney Island Creek.

DEP will also continue to monitor the water quality of Coney Island Creek through its ongoing monitoring programs. Continuing DEP's initiatives from 2014 through 2016, mentioned in Section 2.0, if evidence of dry-weather sources of pollution is found, track downs will be initiated. Such activities will be reported to the DEC on a quarterly basis as is currently required under the Owls Head WWTP SPDES permit.

9.2 Implementation Schedule

No recommended projects are proposed by this LTCP. However, the planned GI included in the LTCP baseline conditions for this waterbody is scheduled to be fully implemented by the year 2030.

9.3 Operational Plan/O&M (Operation and Maintenance)

Although no recommended projects are proposed by this LTCP, DEP is nevertheless committed to continue operating the components of the combined sewers associated with Outfall OH-021, particularly the upgraded Avenue V Pumping Station, to the highest level of efficiency.

9.4 Projected Water Quality Improvements

Improvements in water quality will continue to be realized as GI projects are completed. These future improvements are included in the LTCP baseline and are not a recommendation of this LTCP. DEP is also developing a Stormwater Management Program as part of the MS4 permit to manage urban sources of stormwater runoff to protect and provide additional improvements to water quality.

9.5 Post-Construction Monitoring Plan and Program Reassessment

Ongoing DEP monitoring programs will continue, including the HSM and SM Programs. Harbor Survey data collected from Stations CIC2 and CIC3 will be used to periodically review and assess the water quality trends in Coney Island Creek. Depending on the findings, the data from these programs could form the basis of additional recommendations for inclusion in, as appropriate, the 2017 Citywide LTCP.

9.6 Consistency with Federal CSO Control Policy

The Coney Island Creek LTCP was developed to comply with the requirements of the Federal or EPA CSO Control Policy and associated guidance documents, and with the CWA. The LTCP revealed that Coney Island Creek does not attain the WQS of its designated classification (Class I), the primary contact water quality criterion for bacteria, or the Class SC/SB dissolved oxygen acute or chronic criteria. LTCP projections also reveal that Coney Island Creek will not attain the Potential Future Primary Contact WQ Criteria. This is so because, as this LTCP's analyses demonstrate, non-CSO sources of pollutant loadings are the cause of non-attainment.

9.6.a Affordability and Financial Capability Introduction

EPA has recognized the importance of taking a community's financial status into consideration, and in 1997, issued "Combined Sewer Overflows: Guidance for Financial Capability Assessment and Schedule Development." EPA's financial capability guidance contains a two-phased assessment approach. Phase I examines affordability in terms of impacts to residential households. This analysis applies the residential indicator (RI), which examines the average cost of household water pollution costs (wastewater and stormwater) relative to a benchmark of two percent of service area-wide MHI. The results of this preliminary screening analysis are assessed by placing the community in one of three categories:

- Low economic impact: average wastewater bills are less than one percent of MHI.
- Mid-range economic impact: average wastewater bills are between one percent and two percent of MHI.
- High economic impact: average wastewater bills are greater than two percent of MHI.

The second phase develops the Permittee Financial Capability Indicators (FCI), which examine several metrics related to the financial health and capabilities of the impacted community. The indicators are compared to national benchmarks and are used to generate a score that is the average of six economic indicators: bond rating; net debt; MHI; local unemployment; property tax burden; and property tax collection rate within a service area. Lower FCI scores imply weaker economic conditions, and thus the increased likelihood that additional controls would cause substantial economic impact.

The results of the RI and the FCI are then combined in a Financial Capability Matrix to give an overall assessment of the permittee's financial capability. The result of this combined assessment can be used to establish an appropriate CSO control implementation schedule.

Significantly, EPA recognizes that the procedures set out in its guidance are not the only appropriate analyses to evaluate a community's ability to comply with CWA requirements. EPA's 2001 "Guidance: Coordinating CSO Long-term Planning with Water Quality Standards Reviews" emphasizes this by stating:

> *The 1997 Guidance "identifies the analyses States may use to support this determination [substantial and widespread impact] for water pollution control projects, including CSO LTCPs. States may also use alternative analyses and criteria to support this determination, provided they explain the basis for these alternative analyses and/or criteria* (U.S. EPA, 2001, p. 31)".

Likewise, EPA has recognized that its RI and FCI metrics are not the sole socioeconomic basis for considering an appropriate CSO compliance schedule. EPA's 1997 guidance recognizes that there may be other important factors in determining an appropriate compliance schedule for a community, and contains the following statement that authorizes communities to submit information beyond that which is contained in the guidance:

> *It must be emphasized that the financial indicators found in this guidance might not present the most complete picture of a permittee's financial capability to fund the CSO controls. … Since flexibility is an important aspect of the CSO Policy, permittees are encouraged to submit any additional documentation that would create a more accurate and complete picture of their financial capability* (U.S. EPA, 1997, p. 7).

Furthermore, in 2012, EPA released its "Integrated Municipal Stormwater and Wastewater Planning Approach Framework," which is supportive of a flexible approach to prioritizing projects with the greatest water quality benefits and the use of innovative approaches like GI (U.S. EPA, 2012). In November of 2014, EPA released its "Financial Capability Assessment Framework" clarifying the flexibility within their CSO guidance. Although EPA did not modify the metrics established in the 1997 guidance, the 2014 Framework reiterates that permittees are encouraged to supplement the core metrics with additional information that would "create a more accurate and complete picture of their financial capability" that may "affect the conclusion" of the analysis.

For example, EPA will consider:

- All CWA costs presented in the analysis described in the 1997 Guidance, and
- SDWA obligations as additional information about a permittee's financial capability.

EPA will also consider alternative disaggregation of household income (e.g., quintiles), as well as economic indicators including, but not limited to:

- Actual poverty rates,
- Rate of home ownership,
- Absolute unemployment rates, and
- Projected, current, and historical wastewater (sewer and stormwater costs) as a percentage of household income, quintile, geography or other breakdown.

The purpose of presenting these data is to demonstrate that the local conditions facing the municipality deviate from the national average to the extent that the metrics established in the 1997 guidance are inadequate for accurately assessing the municipality's financial capacity for constructing, operating, and implementing its LTCP in compliance with its regulatory mandates.

This section of this LTCP begins to explore affordability and financial capability concerns as outlined in the 1997 and 2001 guidance documents and the 2014 Framework, and analyzes the financial capability of NYC to make additional investments in CSO control measures, in light of the relevant financial indicators, the overall socioeconomic conditions in NYC, and the need to continue spending on other water and sewer projects. The analysis is presented both in terms of the EPA's Financial Capability Guidance framework and by applying several additional factors of particular relevance to NYC's unique socioeconomic character.

Because DEP is tasked with preparing ten LTCPs for individual waterbodies and one LTCP for the East River and Open Waters, DEP expects that a complete picture of the effect of the comprehensive CSO program will be available in 2017 to coincide with the schedule for completion of all the plans. This affordability and financial capability section will be refined in each LTCP submittal as project costs are further developed, and to reflect the latest available socioeconomic metrics.

9.6.b Residential Indicator

As discussed above, the first economic test as part of EPA's 1997 CSO guidance is the RI, which compares the average annual household water pollution control cost (wastewater and stormwater related charges) to the MHI of the service area. Average household wastewater cost can be estimated by approximating the residential share of wastewater treatment and dividing it by total number of households. In NYC, the wastewater bill is a function of water consumption. Therefore, average household costs and the RI are estimated based on consumption rates by household type, as shown in Table 9-1.

Table 9-1. Residential Water and Wastewater Costs compared to Median Household Income (MHI)

	Average Annual Wastewater Bill ($/year)	Wastewater RI (Wastewater Bill/MHI[(1)]) (%)	Total Water and Wastewater Bill ($/Year)	Water and Wastewater RI (Water and Wastewater Bill/MHI) (%)
Single-family[(2)]	661	**1.23**	1,077	**2.00**
Multi-family[(3)]	430	**0.80**	700	**1.30**
Average Household Consumption[(4)]	542	**1.00**	883	**1.64**
MCP[(5)]	617	**1.14**	1,005	**1.86**

Notes:
(1) Latest MHI data is $52,996 based on 2014 ACS data, estimated MHI adjusted to present is $53,961.
(2) Based on 80,000 gallons/year consumption and proposed Fiscal Year (FY) 2017 Rates.
(3) Based on 52,000 gallons/year consumption and proposed FY2017 Rates.
(4) Based on average consumption across all metered residential units of 65,534 gallons/year and proposed FY2017 Rates.
(5) Multi-family Conservation Plan (MCP) is a flat fee per unit for customers who will implement certain conservation measures.

As shown in Table 9-1, the RI for wastewater costs varies between 0.8 percent of MHI to 1.23 percent of MHI depending on household type. Because DEP is a water and wastewater utility and the ratepayers

receive one bill for both charges, it is also appropriate to look at the total water and wastewater bill in considering the RI, which varies from 1.3 percent to 2.0 percent of MHI.

Based on this initial screen, current wastewater costs pose a low to mid-range economic impact according to the 1997 EPA guidance. However, several factors limit using MHI as a financial indicator for a city like New York. NYC has a large population and more than three million households. Even if a relatively small percentage of households were facing unaffordable water and wastewater bills, there would still be a significant number of households experiencing this hardship. For example, more than 702,000 households in NYC (about 22 percent of NYC's total) earn less than $20,000 per year and have estimated wastewater costs well above 2 percent of their household income. Therefore, there are several other socioeconomic indicators to consider in assessing residential affordability, as described later in this section.

9.6.c Financial Capability Indicators

The second phase of the 1997 CSO guidance develops the Permittee FCI, which examine several metrics related to the financial health and capabilities of the impacted community. The indicators are compared to national benchmarks and are used to generate a score that is the average of six economic indicators, including bond rating, net debt, MHI, local unemployment, property tax burden, and property tax collection rate within a service area. Lower FCI scores imply weaker economic conditions and thus the increased likelihood that additional controls would cause substantial economic impact.

Table 9-2 summarizes the FCI scoring as presented in the 1997 CSO guidance. NYC's FCI score based on this test is presented in Table 9-3 and further described below.

Table 9-2. Financial Capability Indicator Scoring

Financial Capability Metric	Strong (Score = 3)	Mid-range (Score = 2)	Weak (Score = 1)
Debt Indicator			
Bond rating (G.O. bonds, revenue bonds)	AAA-A (S&P) Aaa-A (Moody's)	BBB (S&P) Baa (Moody's)	BB-D (S&P) Ba-C (Moody's)
Overall net debt as percentage of full market value	Below 2%	2–5%	Above 5%
Socioeconomic Indicator			
Unemployment rate	More than 1 percentage point below the national average	+/- 1 percentage point of national average	More than 1 percentage point above the national average
MHI	More than 25% above adjusted national MHI	+/- 25% of adjusted national MHI	More than 25% below adjusted national MHI
Financial Management Indicator			
Property tax revenues as percentage of Full Market Property Value (FMPV)	Below 2%	2–4%	Above 4%
Property tax revenue collection rate	Above 98%	94–98%	Below 94%

Table 9-3. NYC Financial Capability Indicator Score

Financial Capability Metric	Actual Value	Score
Debt Indicators		
Bond rating (G.O. bonds)	AA (S&P) AA (Fitch) Aa2 (Moody's)	Strong/3
Bond rating (Revenue bonds)	AAA (S&P) AA+ (Fitch) Aa1 (Moody's)	
Overall net debt as percentage of FMPV	4.1%	Mid-range/2
G.O. Debt	$40.5B	
Market value	$986.0B	
Socioeconomic Indicators		
Unemployment rate (2015 annual average)	0.4 percent above the national average	Mid-range/2
NYC unemployment rate	5.7%	
United States unemployment rate	5.3%	
MHI as percentage of national average	98.8%	Mid-range/2
Financial Management Indicators		
Property tax revenues as percentage of FMPV	2.3%	Mid-range/2
Property tax revenue collection rate	98.6%	Strong/3
Permittee Indicators Score		2.3

Notes:
Debt and Market Value Information as of June 30, 2015.

9.6.c.1 Bond Rating

The first financial benchmark is NYC's bond rating for both general obligation (G.O.) and revenue bonds. A bond rating performs the isolated function of credit risk evaluation. While many factors go into the investment decision-making process, bond ratings can significantly affect the interest that the issuer is required to pay, and thus the cost of capital projects financed with bonds. According to EPA's criteria – based on the ratings NYC has received from all three rating agencies [Moody's, Standard & Poor's (S&P), and Fitch Ratings] – NYC's financing capability is considered "strong" for this category.

NYC's G.O. rating and Municipal Water Finance Authority's (MWFA) revenue bond ratings are high due to prudent fiscal management, the legal structure of the system, and the Water Board's historic ability to raise water and wastewater rates. However, mandates over the last decade have significantly increased the leverage of the system, and future bond ratings could be impacted by further increases to debt beyond what is currently forecasted.

9.6.c.2 Net Debt as a Percentage of Full Market Property Value (FMPV)

The second financial benchmark measures NYC's outstanding debt as a percentage of FMPV. At the end of FY2015, NYC had more than $40.5 billion in outstanding G.O. debt, and the FMPV within NYC was $986.0 billion. This results in a ratio of outstanding debt to FMPV of 4.1 percent and a "mid-range" rating for this indicator. If $29.9B of MWFA revenue bonds that support the system are included, net debt as a percentage of FMPV increases to 7.1 percent, which results in a "weak" rating for this indicator.

Furthermore, if NYC's $42.2B of additional debt that is related to other services and infrastructure is also included, the resulting ratio further increases to 11.4 percent net debt as a percentage of FMPV.

9.6.c.3 Unemployment Rate

For the unemployment benchmark, the 2015 annual average unemployment rate for NYC was compared to that for the U.S. NYC's 2015 unemployment rate of 5.7 percent is 0.4 percent higher than the national average of 5.3 percent. Based on EPA guidance, NYC's unemployment benchmark would be classified as "mid-range". It is important to note that over the past two decades, NYC's unemployment rate has generally been significantly higher than the national average. Due to the recession, the national unemployment is now closer to NYC's unemployment rate. Additionally, the unemployment rate measure identified in the 1997 financial guidance sets a relative comparison at a snapshot in time. It is difficult to predict whether the unemployment gap between the United States and NYC will once again widen further, and it may be more relevant to look at longer term historical trends of the service area.

9.6.c.4 Median Household Income (MHI)

The MHI benchmark compares the community's MHI to the national average. Using American Community Survey (ACS) 2014 single-year estimates, NYC's MHI is $52,996 and the nation's MHI is $52,657. Thus, NYC's MHI is nearly 100 percent of the national MHI, resulting in a "mid-range" rating for this indicator. However, as discussed above in this section, MHI does not provide an adequate measure of affordability or financial capability. MHI is a poor indicator of economic distress and bears little relationship to poverty or other measures of economic need. In addition, reliance on MHI alone can be a very misleading indicator of the affordability impacts in a large and diverse city such as NYC.

9.6.c.5 Tax Revenues as a Percentage of Full Market Property Value

This indicator, which EPA also refers to as the "property tax burden", attempts to measure "the funding capacity available to support debt based on the wealth of the community," as well as "the effectiveness of management in providing community services". According to the NYC Property Tax Annual report issued for FY2015, NYC had billed $22.6B in real property taxes against a $986.0B FMPV, which amounts to 2.3 percent of FMPV. For this benchmark, NYC received a "mid-range" score. This figure does not include water and wastewater revenues; including $3.8B of FY2015 system revenues increases the ratio to 2.7 percent of FMPV.

However, this indicator (including or excluding water and wastewater revenues) is misleading because NYC obtains a relatively low percentage of its tax revenues from property taxes. In 2007, property taxes accounted for less than 41 percent of NYC's total non-exported taxes, meaning that taxes other than property taxes (e.g., income taxes, sales taxes) account for nearly 60 percent of the locally borne NYC tax burden.

9.6.c.6 Property Tax Collection Rate

The property tax collection rate is a measure of "the efficiency of the tax collection system and the acceptability of tax levels to residents". The FY2015 NYC Property Tax Annual report indicates NYC's total property tax levy was $22.6B, of which 98.6 percent was collected, resulting in a "strong" rating for this indicator.

It should be noted, however, that the processes used to collect water and wastewater charges and the enforcement tools available to water and wastewater agencies differ from those used to collect and enforce real property taxes. The DOF, for example, can sell real property tax liens on all types of non-exempt properties to third parties, who can then take action against the delinquent property owners. DEP, in contrast, can sell liens on multi-family residential and commercial buildings whose owners have been delinquent on water bills for more than one year, but it cannot sell liens on single-family homes. The real property tax collection rate thus does not accurately reflect the local agency's ability to collect the revenues used to support water supply and wastewater capital spending.

9.6.d Summary of the Phase 1 and Phase 2 Indicators

The results of the Phase 1 (Residential Indicator) and the Phase 2 (Permittee Financial Capability Indicators) evaluations are combined in the Financial Capability Matrix (see Table 9-4), to evaluate the level of financial burden the current CWA program costs may impose on NYC. Based on a RI score of 1.0 percent (using average household consumption), and a FCI score of 2.3, NYC's Financial Capability Matrix score is "Medium Burden". The score falls more solidly in the "Medium Burden" category when considering the higher RI scores of 1.23 percent and 1.14 percent for single-family and multi-family conservation plan households, respectively.

Table 9-4. Financial Capability Matrix

Permittee Financial Capability Indicators Score (Socioeconomic, Debt, and Financial Indicators)	Residential Indicator (Cost Per Household as a % of MHI)		
	Low Impact (Below 1.0%)	**Mid-Range (Between 1.0 and 2.0%)**	**High Impact (Above 2.0%)**
Weak (Below 1.5)	Medium Burden	High Burden	High Burden
Mid-Range (Between 1.5 and 2.5)	Low Burden	**Medium Burden**	High Burden
Strong (Above 2.5)	Low Burden	Low Burden	Medium Burden

9.6.e Socioeconomic Considerations in the New York City Context

As encouraged by EPA's financial capability assessment guidance, several additional factors of particular relevance to NYC's unique socioeconomic character are provided in this section to aid in the evaluation of affordability implications of the costs associated with anticipated CWA compliance on households in NYC.

9.6.e.1 Income Levels

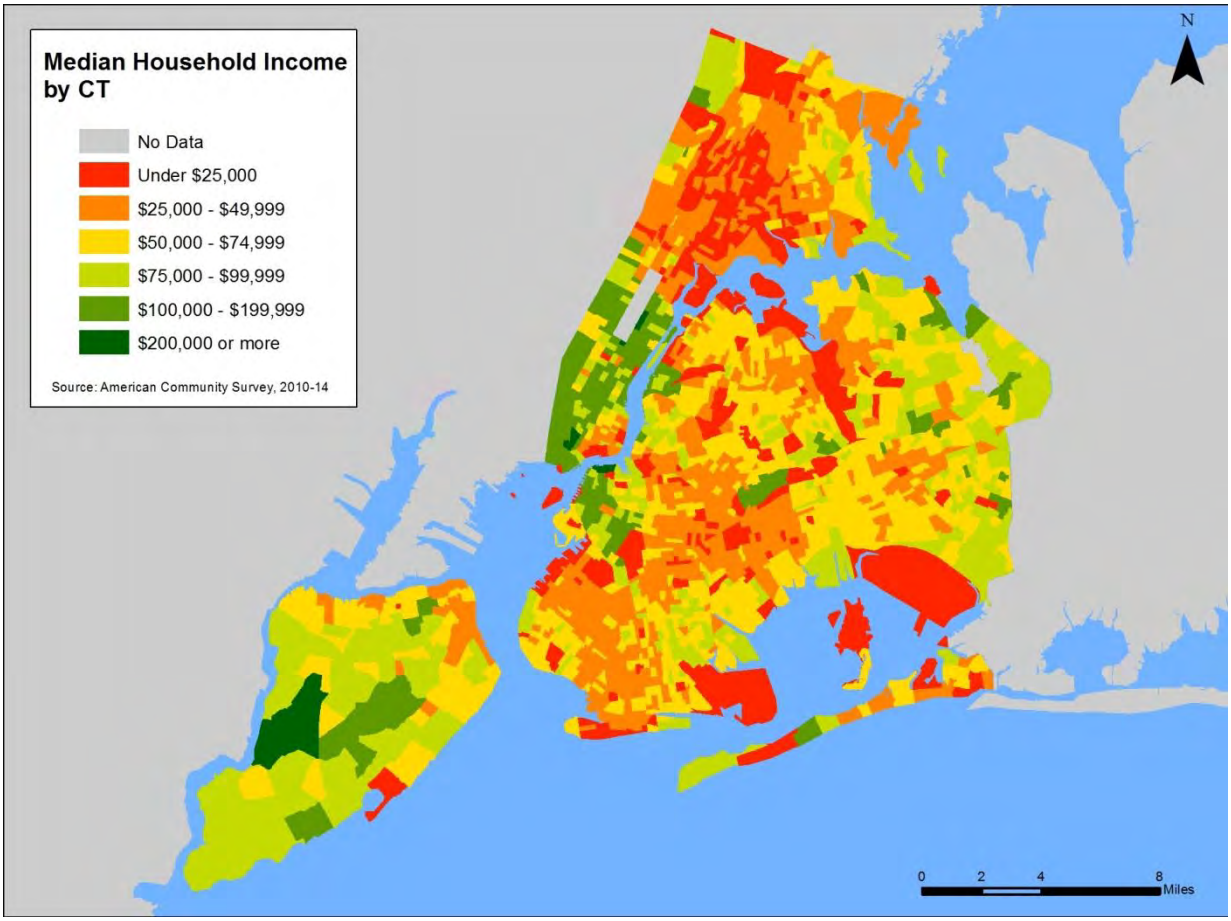
In 2014, the latest year for which Census data is available, the MHI in NYC was $52,996. As shown in Table 9-5, across the NYC boroughs, MHI ranged from $33,712 in the Bronx to $76,089 in Manhattan. Figure 9-1 shows that income levels also vary considerably across NYC neighborhoods, and there are several areas in NYC with high concentrations of low-income households.

As shown in Figure 9-2, after 2008, MHI in NYC actually decreased for several years, and it took several years to recover to the 2008 level. However, during this period, the cost of living continued to increase.

Table 9-5. Median Household Income

Location	2014 (MHI)
United States	$53,657
New York City	$52,996
Bronx	$33,712
Brooklyn	$47,966
Manhattan	$76,089
Queens	$57,241
Staten Island	$71,121

Source: U.S. Census Bureau 2014 ACS 1-Year Estimates.



Source: U.S. Census Bureau 2010-2014 ACS 5-Year Estimates.

Figure 9-1. Median Household Income by Census Tract

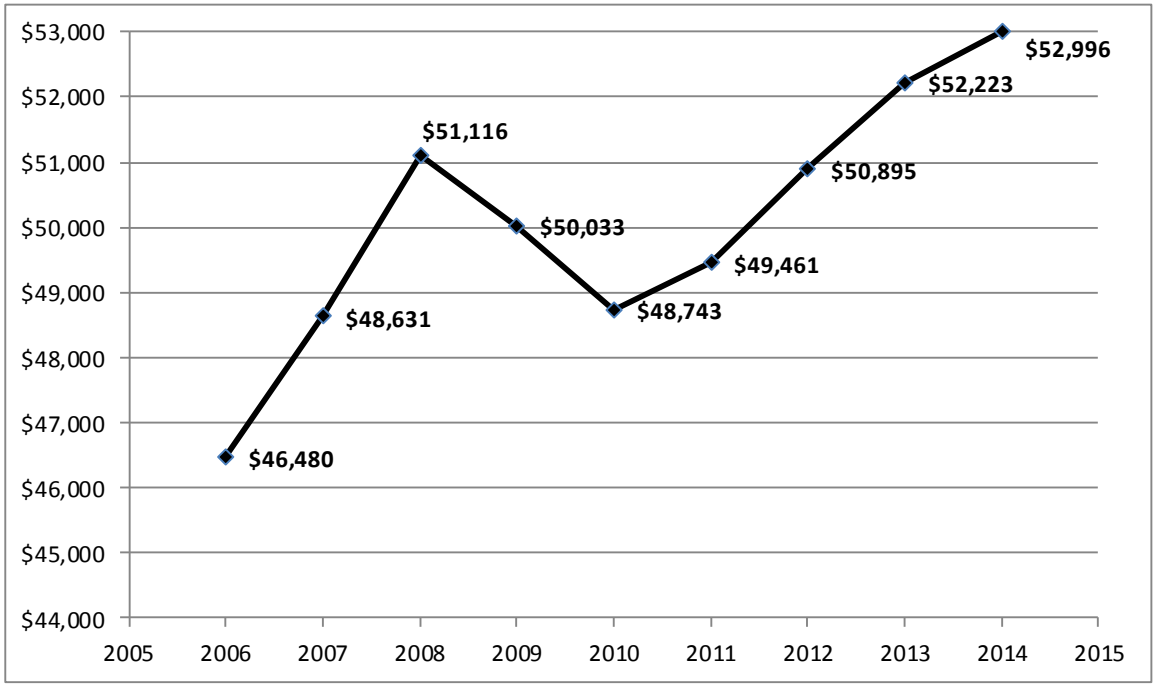
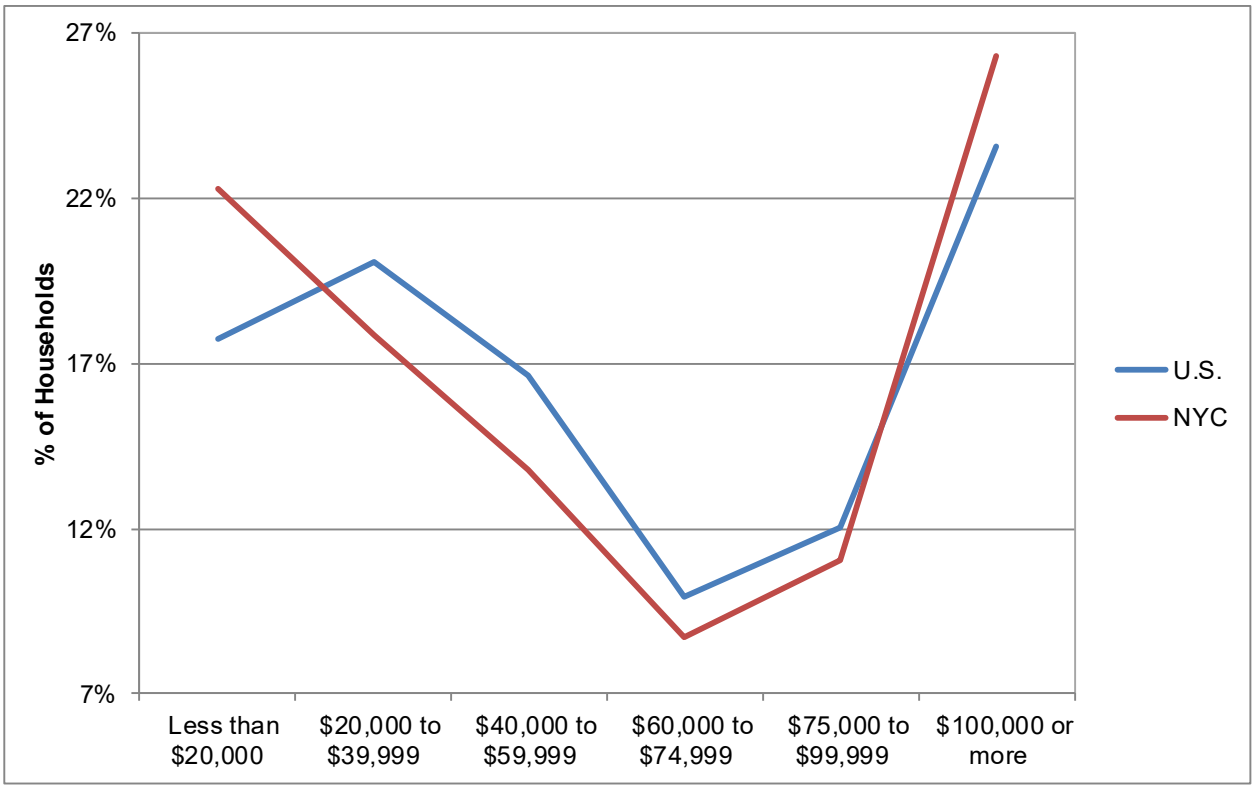


Figure 9-2. NYC Median Household Income over Time

9.6.e.2 Income Distribution

NYC currently ranks as one of the most unequal cities in the United States (U.S.) in terms of income distribution. NYC's income distribution highlights the need to focus on metrics, other than citywide MHI to capture the disproportionate impact on households in the lowest income brackets. It is clear that MHI does not represent "the typical household" in NYC. As shown in Figure 9-3, incomes in NYC are not clustered around the median. Rather, a greater percentage of NYC households exist at either end of the economic spectrum. Also, the percentage of the population with middle-class incomes between $20,000 and $100,000 is 7.3 percent less in NYC than in the United States generally.

As shown in Table 9-6, the income level that defines the upper end of the Lowest Quintile (i.e., the lowest 20 percent of income earners) in NYC is $17,691, compared to $21,909 nationally. This further demonstrates that NYC has a particularly vulnerable, and sizable, lower income population. Table 9-7 compares the average household consumption RI for the Lowest Quintile, Second Quintile, and MHI for NYC using the proposed FY 2017 rates. As shown in this table, households in the Lowest Quintile have a RI of at least 3.01 percent, which easily exceeds EPA's "High Financial Impact" threshold of 2.0 percent.



Source: U.S. Census Bureau 2014 ACS 1-Year Estimates.

Figure 9-3. Income Distribution for NYC and U.S.

Table 9-6. Household Income Quintile Upper Limits in New York City and the United States (2014$)

Quintile	New York City	United States
Lowest Quintile	$17,691	$21,909
Second Quintile	$39,774	$42,004
Third Quintile	$70,330	$67,650
Fourth Quintile	$119,854	$109,108
Lower Limit of Top 5 Percent	$249,609	$203,671

Source: U.S. Census Bureau 2014 ACS 1-Year Estimates.

Table 9-7. Average Household Consumption Residential Indicator for Different Income Levels using Proposed FY 2017 Rates

Income Level	RI[(1)]
Lowest Quintile Upper Limit	3.01%
Second Quintile Upper Limit	1.34%
MHI	1.00%

Note:
(1) RI calculated by dividing average household consumption annual wastewater bill of $542 (using proposed FY 2017 rates) by income level values adjusted to 2016 dollars.

9.6.e.3 Poverty Rates

Based on the latest available Census data, 20.9 percent of NYC residents are living below the federal poverty level (more than 1.7 million people, which is greater than the entire population of Philadelphia). This is significantly higher than the national poverty rate of 15.5 percent, despite similar MHI levels for NYC and the U.S. as a whole. As shown in Table 9-8, across the NYC boroughs, poverty rates vary from 14.5 percent in Staten Island to 31.6 percent in the Bronx.

Table 9-8. NYC Poverty Rates

Location	Percentage of Residents Living Below the Federal Poverty Level
United States	15.5
New York City	20.9
Bronx	31.6
Brooklyn	23.4
Manhattan	17.6
Queens	15.2
Staten Island	14.5

Source: U.S. Census Bureau 2014 ACS 1-Year Estimates.

Figure 9-4 shows that poverty rates also vary across neighborhoods, with several areas in NYC having a relatively high concentration of people living below the federal poverty level. Each green dot represents 250 people living in poverty. While poverty levels are highly concentrated in some areas, smaller pockets of poverty exist throughout NYC. Because an RI that relies on MHI alone fails to capture these other indicators of economic distress, two cities with similar MHI could have disparate levels of poverty.

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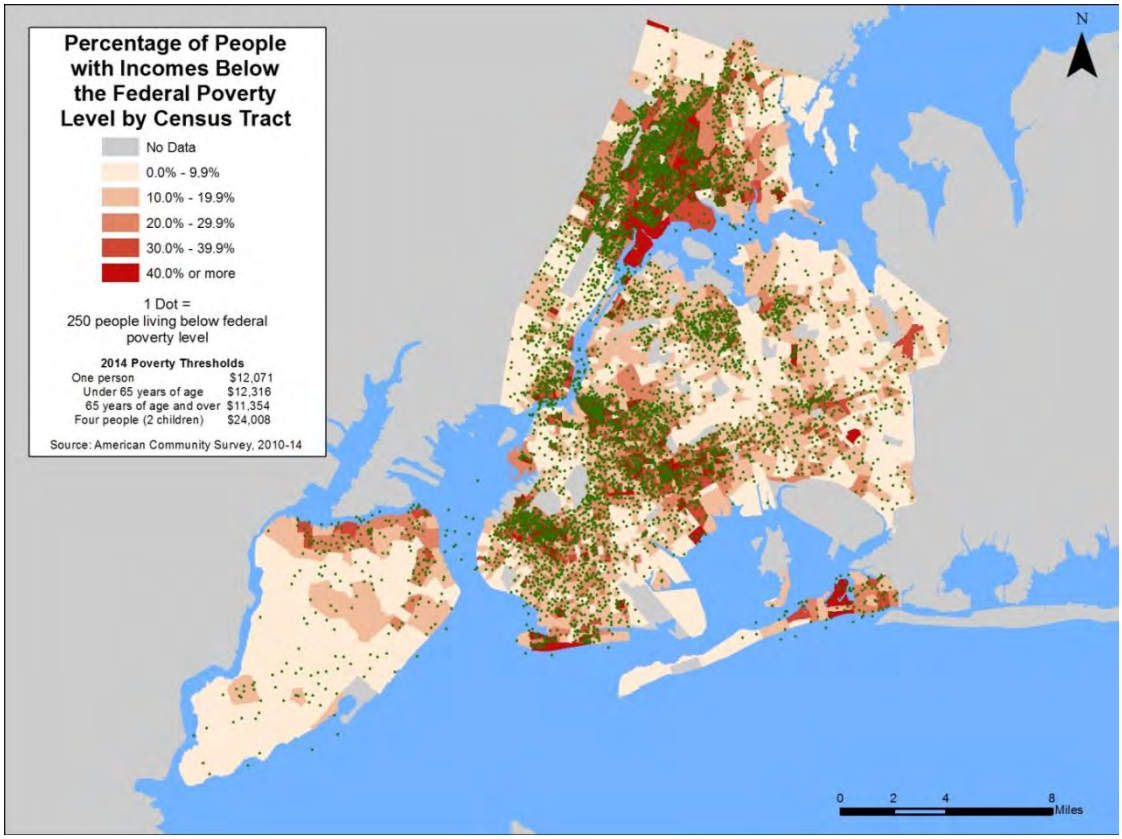
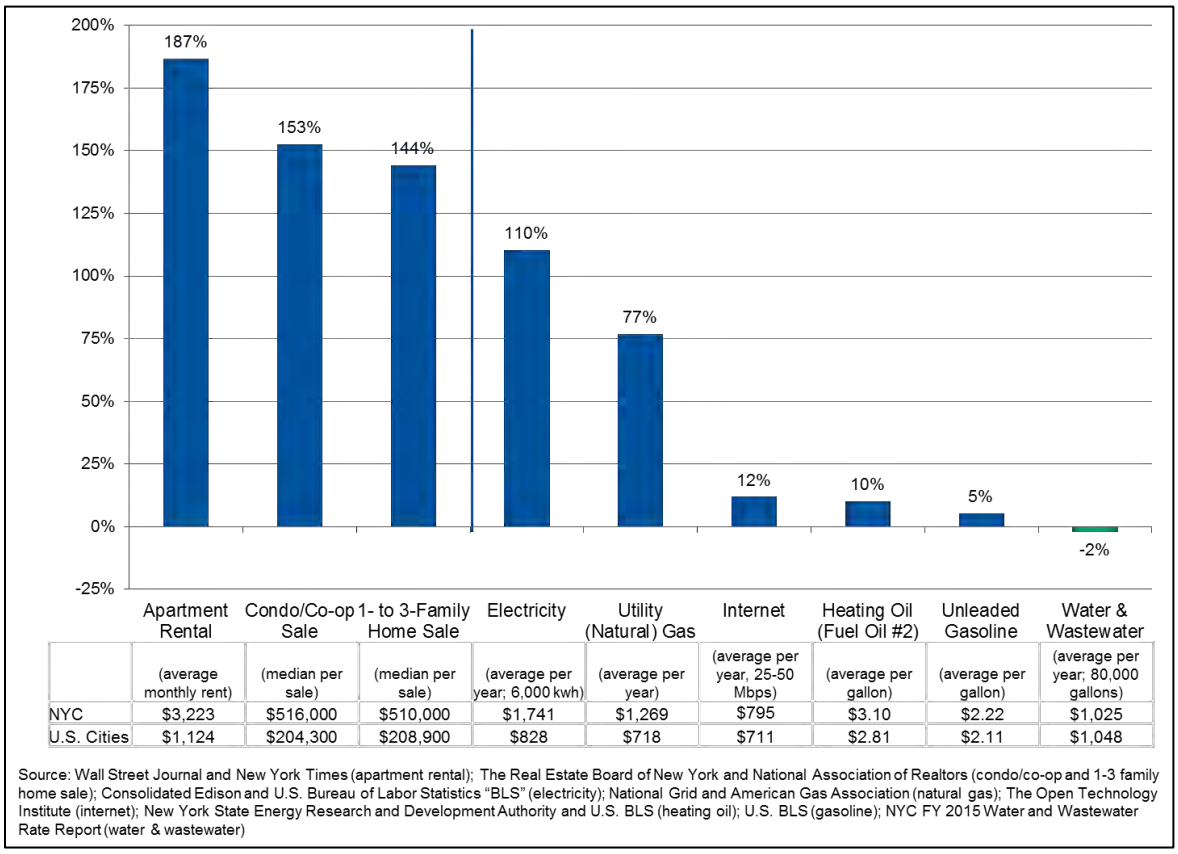


Source: U.S. Census Bureau 2010-2014 ACS 5-Year Estimates

Figure 9-4. Poverty Clusters and Rates in NYC

9.6.e.4 Cost of Living and Housing Burden

NYC residents face relatively high costs for nondiscretionary items (e.g., housing, utilities) compared to individuals living almost anywhere else in the nation, as shown in Figure 9-5. While water costs are slightly less than the average for other major United States cities, the housing burden is significantly higher.



	Apartment Rental (average monthly rent)	Condo/Co-op Sale (median per sale)	1- to 3-Family Home Sale (median per sale)	Electricity (average per year; 6,000 kwh)	Utility (Natural) Gas (average per year)	Internet (average per year, 25-50 Mbps)	Heating Oil (Fuel Oil #2) (average per gallon)	Unleaded Gasoline (average per gallon)	Water & Wastewater (average per year; 80,000 gallons)
NYC	$3,223	$516,000	$510,000	$1,741	$1,269	$795	$3.10	$2.22	$1,025
U.S. Cities	$1,124	$204,300	$208,900	$828	$718	$711	$2.81	$2.11	$1,048

Source: Wall Street Journal and New York Times (apartment rental); The Real Estate Board of New York and National Association of Realtors (condo/co-op and 1-3 family home sale); Consolidated Edison and U.S. Bureau of Labor Statistics "BLS" (electricity); National Grid and American Gas Association (natural gas); The Open Technology Institute (internet); New York State Energy Research and Development Authority and U.S. BLS (heating oil); U.S. BLS (gasoline); NYC FY 2015 Water and Wastewater Rate Report (water & wastewater)

Figure 9-5. Comparison of Costs between NYC and other U.S. Cities

Approximately 67 percent of all households in NYC are renter-occupied, compared to about 35 percent of households nationally. In recent years, affordability concerns have been compounded by the fact that gross median rents in NYC have increased, while median renter income has declined. Although renter households may not directly receive water and wastewater bills, these costs are often indirectly passed on to them in the form of rent increases. Increases in water and sewer costs that are born by landlords and property owners could also indirectly impact tenants, as it may limit the ability to perform necessary maintenance. Although it can be difficult to discern precisely how much the water and sewer rates impact every household, particularly those in multi-family buildings and affordable housing units, EPA's 1997 Guidance nevertheless requires that all households in the service area be identified and used to establish an average cost per household for use in financial capability and affordability analyses. This LTCP financial capability assessment considers a lower average annual wastewater bill for households in multi-family buildings (due to a lower annual consumption value) as compared to single-family households, and also examines average consumption across the board.

Most government agencies consider housing costs of between 30 percent and 50 percent of household income to be a moderate burden in terms of affordability; costs greater than 50 percent of household income are considered a severe burden.

A review of 2014 ACS Census data shows approximately 18 percent of NYC households (close to 174,000 households) spent between 30 percent and 50 percent of their income on housing, while about 20 percent (193,000 households) spent more than 50 percent. This compares to 15 percent of

households nationally that spent between 30 percent and 50 percent of their income on housing and 10 percent of households nationally that spent more than 50 percent. This means that 38 percent of households in NYC versus 25 percent of households nationally spent more than 30 percent of their income on housing costs.

NYCHA is responsible for 172,223 affordable housing units (9 percent of the total renter households in NYC). NYCHA paid approximately $182M for water and wastewater in FY2015. This total represents approximately 5.8 percent of its $3.14B operating budget. Even a small increase in rates could potentially impact the agency's ability to provide affordable housing and/or other programs and, in recent years, NYCHA has experienced funding cuts and operational shortfalls.

In sum, the financial capability assessment for NYC must look beyond the EPA 1997 Guidance, and must additionally consider the socioeconomic conditions discussed in this section including NYC's income distribution, water and wastewater rate impacts on households with income below the median level, poverty rates, housing costs, total tax burden, and long-term debt. Because many utilities provide both drinking and wastewater services and households often pay one consolidated bill, financial capability and affordability must consider total water and wastewater spending. Scheduling and priorities for future spending should consider the data presented here and below with respect to historical and future commitments.

9.6.f Background on Historical DEP Spending

As the largest water and wastewater utility in the nation, DEP provides over a billion gallons of drinking water daily to more than eight million NYC residents, visitors and commuters, as well as to one million upstate customers. DEP maintains over 2,000 square miles of watershed comprised of 19 reservoirs, three controlled lakes, several aqueducts, and 6,600 miles of water mains and distribution pipes. DEP also collects and treats wastewater. Averaged across the year, the system treats approximately 1.3 billion gallons of wastewater per day collected through 7,500 miles of sewers, 95 pump stations and 14 in-NYC WWTPs. In wet-weather, the system can treat up to 3.5 billion gallons per day of combined storm and sanitary flow. In addition to its WWTPs, DEP also has four CSO storage facilities. In 2010, DEP launched a 20-year, $2.4B GI program, of which $1.5B will be funded by DEP, with the remainder funded through private partnerships.

9.6.f.1 Historical Capital and Operations and Maintenance Spending

As shown in Figure 9-6, from FY2002 through FY2015, 64 percent of DEP's capital spending was for wastewater and water mandates. Figure 9-7 identifies associated historical wastewater and water operating expenses from FY2005 through FY2015, which have generally increased over time reflecting the additional operational costs associated with NYC's investments. Many projects have been important investments that safeguard our water supply and improve the water quality of our receiving waters in the Harbor and its estuaries. These mandates and associated programs are described below.

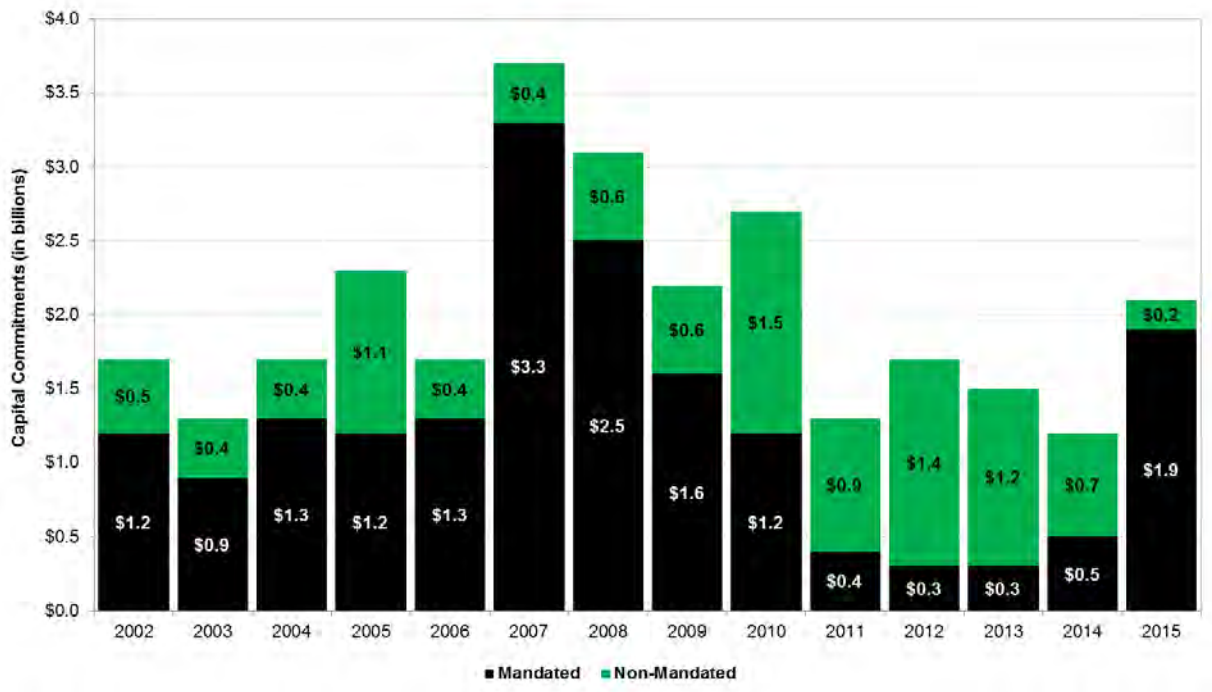


Figure 9-6. Historical Capital Commitments

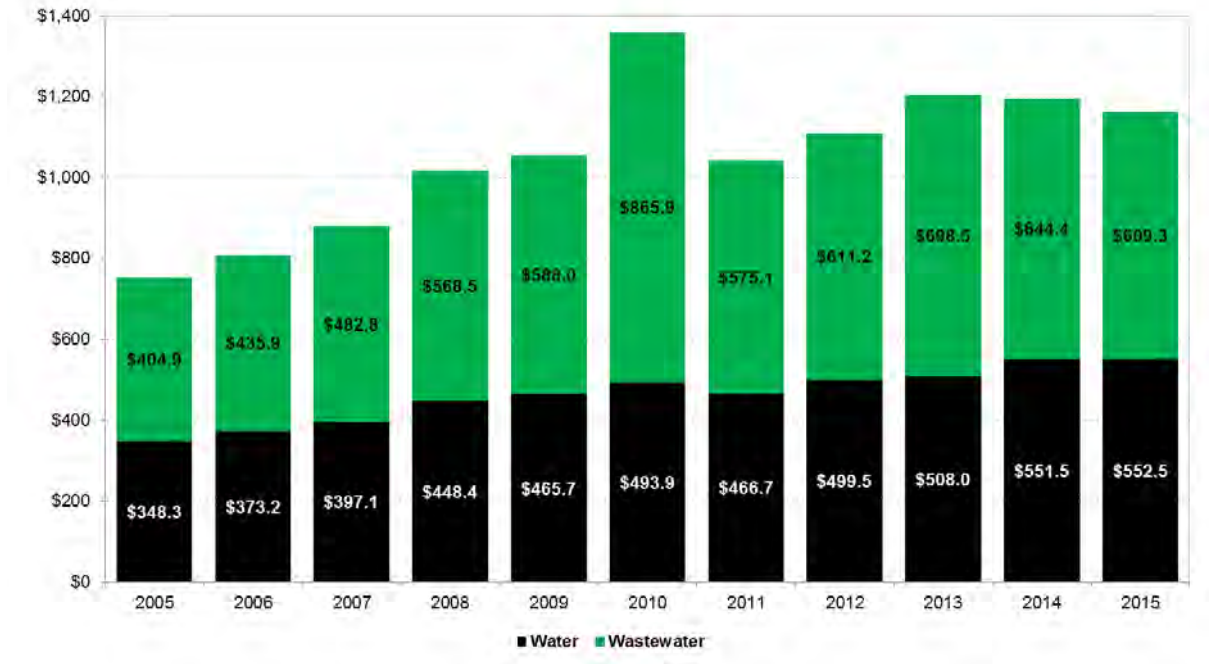


Figure 9-7. Historical Operating Expenses

9.6.f.2 Wastewater Mandated Programs

The following wastewater programs and projects have been initiated to comply with federal and state laws and permits:

- CSO abatement and stormwater management programs

  DEP has initiated a number of projects to reduce CSOs, including construction of CSO abatement facilities, optimization of the wastewater system to reduce the volume of CSO discharge, controls to prevent floatables and debris that enters the combined wastewater system from being discharged, dredging of CSO sediments that contribute to low DO and poor aesthetic conditions, and other water quality based enhancements to enable attainment of the WQS. These initiatives impact both the capital investments that DEP must make, and its O&M expenses. Historical commitments and those currently in DEP's ten year capital plan for CSOs are estimated to cost $4.3B. DEP expects that additional investments in stormwater controls will be required of it, as they will be for other NYC agencies, pursuant to MS4 requirements.

- Biological nitrogen removal

  In 2006, NYC entered into a Consent Judgment with DEC, which required DEP to upgrade five WWTPs by 2017 to reduce nitrogen discharges and comply with draft SPDES nitrogen limits. Pursuant to a modification and amendment to the Consent Judgment in 2011, DEP agreed to upgrade three additional WWTPs and to install additional nitrogen controls at one of the WWTPs included in the original Consent Judgment. As in the case of CSOs and stormwater, these initiatives include capital investments made by DEP (over $1B to-date and an additional $103M in the 10-year capital plan) as well as O&M expenses. (Chemicals alone in FY2014 amounted to $3.2M per year and by FY2017 are estimated to be about $21M per year.)

- Wastewater Treatment Plant Upgrades

  The Newtown Creek WWTP has been upgraded to secondary treatment pursuant to the terms of a Consent Judgment with DEC. The total cost of the upgrade is estimated to be $5B. In 2011, DEP certified that the Newtown Creek WWTP met the effluent discharge requirements of the CWA, bringing all 14 WWTPs into compliance with the secondary treatment requirements.

9.6.f.3 Drinking Water Mandated Programs

Under the federal SDWA and the New York State Sanitary Code, water suppliers are required to either filter their surface water supplies or obtain and comply with a determination from EPA that allows them to avoid filtration. In addition, EPA promulgated a rule known as Long Term 2 (LT2) that required that unfiltered water supplies receive a second level of pathogen treatment (e.g., ultraviolet [UV] treatment in addition to chlorination) by April 2012. LT2 also requires water suppliers to cover or treat water from storage water reservoirs. The following DEP projects have been undertaken in response to these mandates:

- Croton Watershed - Croton Water Treatment Plant

  Historically, NYC's water has not been filtered because of its good quality and long retention times in reservoirs. However, more stringent federal standards relating to surface water treatment resulted in a federal court consent decree, which mandated the construction of a full-scale water treatment facility to filter water from NYC's Croton watershed. Construction on the Croton Water Treatment Plant began in late 2004, and the facility began operating in 2015. To-date, DEP has spent roughly $3.2B in capital costs. Since commencement of operations, DEP is also now incurring annual expenses for labor, power, chemicals, and other costs associated with plant O&M. For FY2015, O&M costs are estimated to be about $23M.

- Catskill/Delaware Watershed - Filtration Avoidance Determination

  Since 1993, DEP has been operating under a series of Filtration Avoidance Determinations (FADs), which allow NYC to avoid filtering surface water from the Catskill and Delaware systems. In 2007, EPA issued a new FAD (2007 FAD), which requires NYC to take certain actions over a ten-year period to protect the Catskill and Delaware water supplies. In 2014, the DOH issued mid-term revisions to the 2007 FAD. Additional funding was added to the Capital Improvement Plan (CIP) through 2017 to support these mid-term FAD revisions. DEP has committed about $1.7B to-date and anticipates that expenditures for the next FAD will amount to $200M.

- UV Disinfection Facility

  In January 2007, DEP entered into an Administrative Consent Order (UV Order) with EPA pursuant to EPA's authority under LT2 requiring DEP to construct a UV facility by 2012. Since late 2012, water from the Catskill and Delaware watersheds has been treated at DEP's new UV disinfection facility in order to achieve Cryptosporidium inactivation. To-date, capital costs committed to the project amount to $1.6B. DEP is also now incurring annual expenses for property taxes, labor, power, and other costs related to plant O&M. FY2015 O&M costs were $19.3M, including taxes.

9.6.f.4 Other: State of Good Repair Projects

In addition to mandated water and wastewater programs, DEP has invested in critical projects related to maintenance and repair of its assets and infrastructure.

9.6.f.5 Initiatives to Reduce Operational Expenditures

To mitigate rate increases, DEP has diligently managed operating expenses and has undertaken an agency-wide program to review and trim costs and to improve the efficiency of the agency's operations. DEP has already implemented changes through this program that will result in a financial benefit of approximately $98.2M in FY2016.

9.6.g History of DEP Water and Sewer Rates

9.6.g.1 Background on DEP Rates

The NYC Water Board is responsible for setting water and wastewater rates sufficient to cover the costs of operating NYC's water supply and wastewater systems (the System). Water supply costs include those associated with water treatment, transmission, distribution, and maintaining a state of good repair. Wastewater service costs include those associated with wastewater conveyance and treatment, stormwater service, and maintaining a state of good repair. The NYC MWFA issues revenue bonds to finance NYC's water and wastewater capital programs, and the costs associated with debt service consume a significant portion of the system revenues. As shown in Figure 9-8, increases in capital expenditures have resulted in increased debt. While confirmed expenditures may decline over the next few years, debt service continues to be on the rise in future years, and will continue to do so with future spending commitments. In FY2015, debt service represented a large percentage (approximately 44 percent) of the System's operating budget.

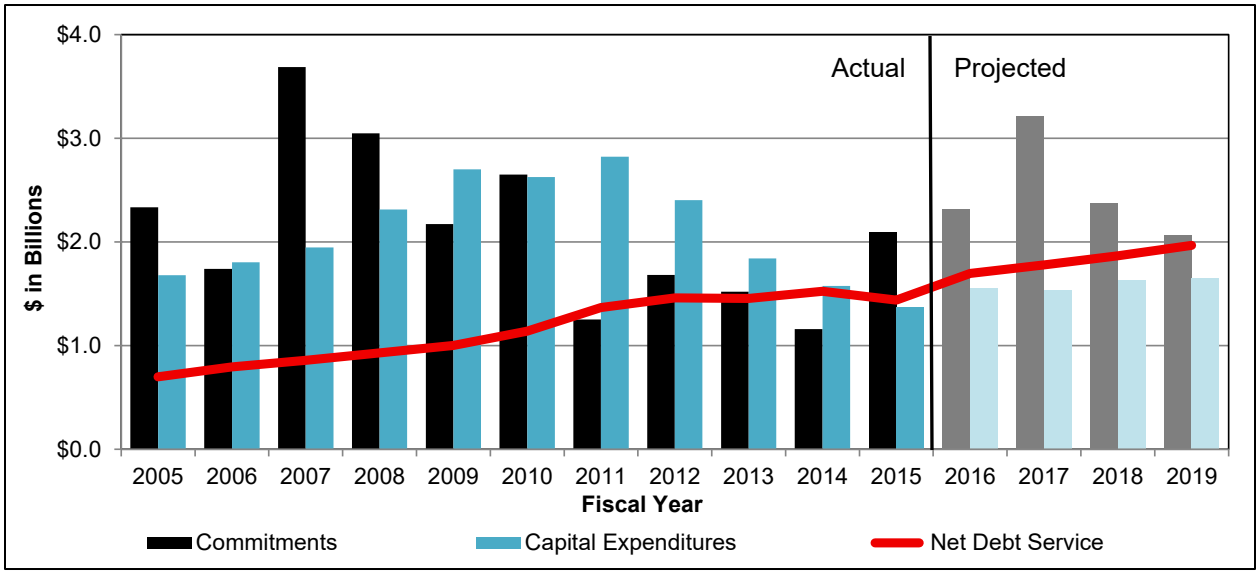


Figure 9-8. Past Costs and Debt Service

For FY2017, most customers will be charged a proposed uniform water rate of $0.52 per 100 gallons of water. Wastewater charges are levied at 159 percent of water charges ($0.83 per 100 gallons). A small percentage of properties are billed a fixed rate. Under the Multi-family Conservation Program (MCP), some properties are billed at a fixed per-unit rate if they comply with certain conservation measures. Some nonprofit institutions are also granted exemption from water and wastewater charges on the condition that their consumption is metered and falls within specified consumption threshold levels. Select properties can also be granted exemption from wastewater charges (i.e., pay only for water services) if they can prove that they do not burden the wastewater system (e.g., they recycle wastewater for subsequent use on-site).

9.6.g.2 Historical Rate Increases to meet Cost of Service

Figure 9-9 shows how water and sewer rates have increased over time and how that compares with system demand and population. Despite a rise in population, water consumption rates have been falling

since the 1990s due to metering and increases in water efficiency measures. The increase in population has not kept pace with the increase in the cost of service associated with DEP's capital commitments over the same time period. Furthermore, the total cost of service is spread across a smaller demand number due to the decline in consumption rates. As a result, DEP has had to increase its rates to meet the cost of service. DEP operations are funded almost entirely through rates paid by our customers. From FY2000 to FY2017, water and sewer rates have risen 199 percent, almost tripling. This is despite the fact that DEP has diligently trimmed operating costs and improved the efficiency of the agency's operations

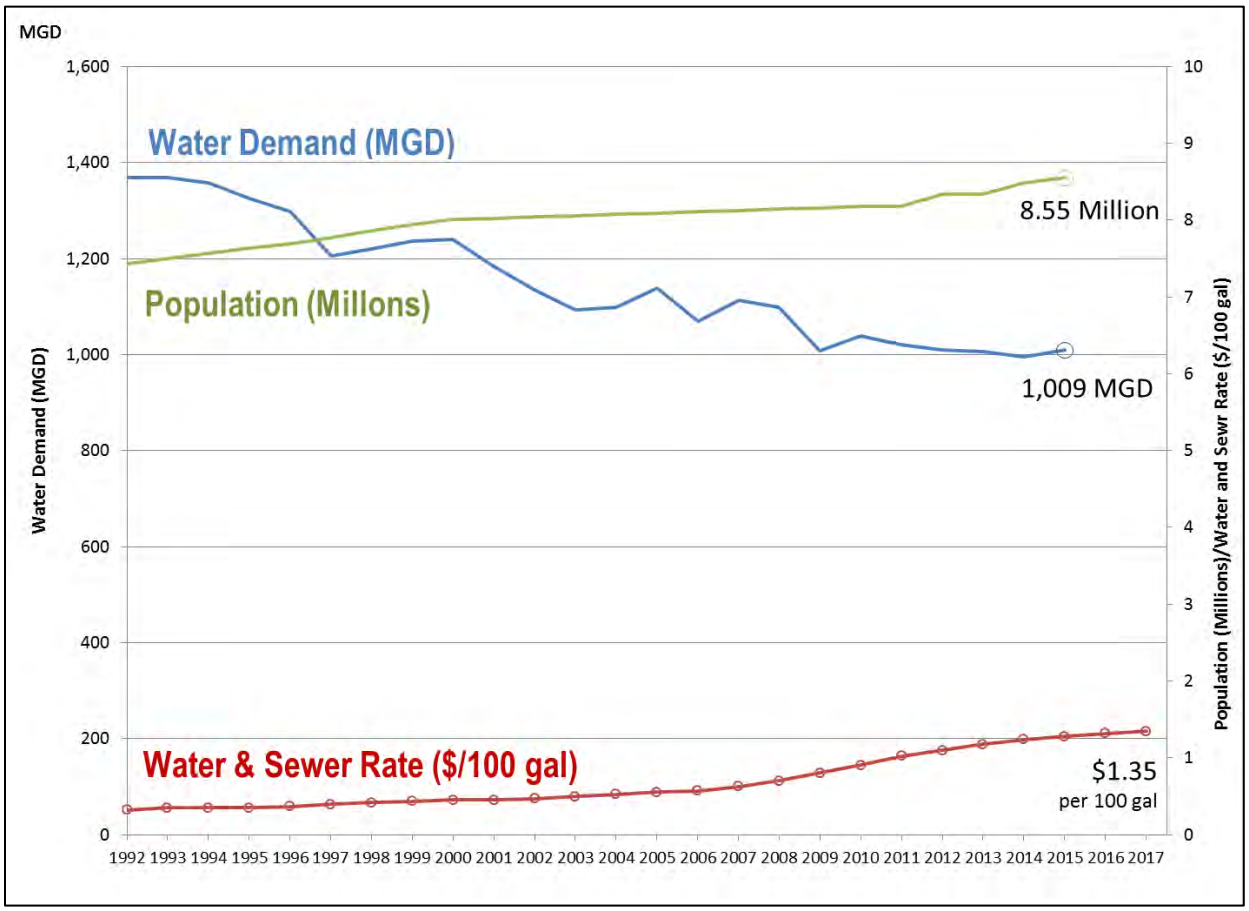


Figure 9-9. Population, Consumption Demand, and Water and Sewer Rates over Time

9.6.g.3 Customer Assistance Programs

Several programs provide support and assistance for customers in financial distress, and DEP continues to expand these programs. The Safety Net Referral Program uses an existing network of NYC agency and not-for-profit programs to help customers with financial counseling, low-cost loans, and legal services. The Water Debt Assistance Program provides temporary water debt relief for qualified property owners who are at risk of mortgage foreclosure. While water and wastewater charges are a lien on the property served, and NYC has the authority to sell these liens to a third party, or lienholder, in a process called a lien sale, DEP offers payment plans for customers who may have difficulty paying their entire bill at one time. DEP and the Water Board also recently created a Home Water Assistance Program (HWAP) to assist low-income homeowners. In this program, DEP has partnered with the NYC Human Resources Administration, which administers the Federal Home Energy Assistance Program (HEAP), and DOF,

which provides tax exemptions to senior and disabled homeowners, to identify low-income homeowners who receive HEAP assistance and/or tax exemptions and, thus, are automatically eligible to receive a credit on their DEP bill. DEP is proposing to raise the credit by the general rate increase in FY2017 to $118.32 and to expand HWAP to include as many as 68,200 additional seniors with annual income of less than $50,000 based on DOF verification (approximately 14 percent of total accounts). The proposed expansion of the HWAP program is detailed in Table 9-9.

Table 9-9. Proposed Expansion of the Home Water Assistance Program

Recipient	Current Recipients	Benefit of Current Program with Credit of $118.32 ($M)	Recipients Including Additional Seniors	Benefit with Additional Seniors ($M)
HEAP	11,600	$1.37	11,600	$1.37
Disabled	3,300	$0.39	3,300	$0.39
Seniors	36,800	$4.35	105,000	$12.42
Total	**51,700**	**$6.12**	**119,900**	**$14.19**
Increase in Benefit			**68,200**	**$8.07**

In addition, approximately 58.5 percent of NYCHA customers are on the MCP, whereby they pay a flat fee, provided they implement certain conservation measures. There is also a proposed Multi-family Water Assistance Program for Affordable Housing, where a $250 credit per housing unit would be issued for qualified projects identified by the NYC Housing Preservation and Development. The credit reflects 25 percent of the MCP rate, on which many of the eligible properties are billed. Up to 40,000 housing units will receive this credit, providing $10M of assistance.

The agency has undertaken a communications campaign to ensure that customers know about these programs and any benefits they may be qualified to receive.

9.6.h Future System Investment

Over the next decade, the percentage of mandated project costs already identified in the CIP is anticipated to decrease, but DEP will be funding critical state of good repair projects and other projects needed to maintain NYC's infrastructure to deliver clean water and treat wastewater. Accordingly, as of September 2015, DEP's capital budget for FY2016 through FY2025 is $17.3B. This budget projects capital commitments averaging $1.5B per year, which is similar to the average spending from FY2011 through FY2015 shown in Figure 9-6 above. Moreover, DEP anticipates that there will be additional mandated investments as a result of MS4 compliance, proposed modifications to DEP's in-City WWTP SPDES permits, Superfund remediation, and the 2014 CSO BMP Consent Order. It is also possible that DEP will be required to construct a cover for Hillview Reservoir, as well as other additional wastewater and drinking water mandates. This additional spending is identified as encouraged by the EPA financial capability assessment guidance to create a more accurate and complete picture of NYC's financial capability. Additional details for anticipated future mandated and non-mandated programs are provided below.

9.6.h.1 Potential or Unbudgeted Wastewater Regulations

- Municipal Separate Storm Sewer System (MS4) Permit Compliance

  DEC issued a citywide MS4 permit to NYC, effective on August 1, 2015, that covers municipal separate stormwater system for all NYC agencies.

  DEP is required to coordinate efforts with other NYC agencies and to develop a stormwater management program plan for NYC to facilitate compliance with the permit. This plan will include the necessary legal authority to implement and enforce the stormwater management program, and will develop enforcement and tracking measures and provide adequate resources to comply with the MS4 permit. Some of the stormwater control measures identified through this plan may result in increased costs to DEP, and those costs will be more clearly defined upon completion of the plan. The permit also requires NYC to conduct fiscal analysis of the capital and O&M expenditures necessary to meet the requirements of this permit, including any development, implementation and enforcement activities required, within three years of the effective permit date.

  The full MS4 permit compliance costs are yet to be estimated. DEP's annual historic stormwater capital and O&M costs have averaged $131.6M. However, given the more stringent requirements in the MS4 permit, future MS4 compliance costs are anticipated to be significantly higher than DEP's current stormwater program costs. The future compliance costs will also be shared by other NYC agencies that are responsible for managing stormwater. The projected cost for stormwater and CSO programs in other major urban areas such as Philadelphia and Washington DC are quite high, $2.4B and $2.6B, respectively. According to preliminary estimates completed by Washington District Department of Environment, the MS4 cost could be $7B (green build-out scenario) or as high as $10B (traditional infrastructure) to meet the TMDLs. In FY2014, Philadelphia reported $95.4M for MS4 spending, whereas Washington DC reported $19.5M as part of these annual reports (Philadelphia, 2014; Washington DC, 2014).

  Limited data currently exists for estimating future NYC MS4 compliance costs. Based on estimates from other cities, stormwater retrofit costs have been estimated between $25,000 and $35,000 per impervious acre on the low end, to between $100,000 and $150,000 on the high end. Costs would vary based on the type and level of control selected. For the purpose of developing preliminary MS4 cost estimates for NYC for this analysis, a stormwater retrofit cost of $35,000 per impervious acre was assumed, which results in estimated MS4 compliance costs of about $2B for NYC.

- SPDES Permit Compliance

  On November 1, 2015, newly modified SPDES permits for DEP 14 WWTPs went into effect. These modifications to the SPDES permits may have significant monetary impacts to DEP and include the following requirements:

  – New effluent ammonia limits at many of the DEP WWTPs, and these new effluent ammonia limits may require upgrades at the North River, 26th Ward, and Jamaica WWTPs.

- Monthly sampling for free cyanide with results submitted in a report due on February 1, 2017. After review of the results, DEC may reopen the permits to add a limit or action level for free cyanide.

- Beginning three years from the effective date of the Permit (11/01/2018), maintain and implement an Asset Management Plan (AMP) covering the DEP's WWTPs, pump stations, and CSO control facilities to prioritize the rehabilitation and replacement of capital assets that comprise the AMP Treatment System.

- Develop, implement, and maintain a Mercury Minimization Program (MMP). The MMP is required because the 50 nanograms/liter (ng/L) permit limit exceeds the statewide water quality based effluent limit (WQBEL) of 0.70 ng/L for Total Mercury. The goal of the MMP will be to reduce mercury effluent levels in pursuit of the WQBEL.

- DEC has also advised DEP that fecal coliform, which is the parameter that has been historically used to evaluate pathogen kills and chlorination performance/control, will be changing to enterococcus in accordance with the requirements under the EPA Recreational Water Quality Criteria. This change could result in additional compliance costs.

- The BMPs for CSOs section of the permit has been revised as follows:

    - Additional requirements related to DEP's CSOs to maximize flow were added to the permit as a new Additional CSO BMP Special Condition section, as required pursuant to the 2014 CSO BMP Order. The SPDES Additional CSO Special Conditions include monitoring of any CSOs from specified regulators, reporting requirements for bypasses, and providing notification of equipment out-of-service at the WWTPs during rain events. DEP to assess compliance with requirements to "Maximize Flow to the WWTP" using CSO data from key regulators and to identify options for reducing or eliminating CSOs that occur prior to the WWTP achieving twice design flow. A schedule for reasonable and costs effective options that can be completed within two years must be submitted to DEC for review and approval. Other projects that cannot be completed within two years shall be considered as part of the LTCP process. The costs for compliance for this new permit requirement have not yet been determined, but DEP expects this program will require the expenditure of additional capital and expense dollars.

- Total Residual Chlorine (TRC) Consent Order

  As part of the TRC Consent Order effective October 8, 2015, DEP is required to construct alternate disinfection at 6 WWTPs and following completion of ambient water quality monitoring for TRC may need to develop TRC Facility Plans for the WWTPs that may require further upgrades to the disinfection facility to comply with the TRC SPDES limit.

- Superfund Remediation

  Two major Superfund sites in NYC may affect DEP's Long Term Control Plans, and are at different stages of investigation. The Gowanus Canal Remedial Investigation/ Feasibility Study

(RI/FS) is complete, and remedial design work will take place in the next three to five years. The Newtown Creek RI/FS completion is anticipated for 2018.

DEP's ongoing costs for these projects are estimated to total approximately $50-60M for the next ten years, excluding design or construction costs. EPA's selected remedy for the Gowanus Canal requires that NYC build two combined sewage overflow retention tanks. Potential Superfund costs for the Gowanus Canal range from $650M to $1B. Similar Superfund mandated CSO controls at Newtown Creek could add costs of over $1B.

9.6.h.2 Potential, Unbudgeted Drinking Water Regulation

- Hillview Reservoir Cover

LT2 also mandates that water from uncovered storage facilities, including DEP's Hillview Reservoir, be treated or that the reservoir be covered. DEP has entered into an Administrative Order with the NYSDOH and an Administrative Order with EPA, both of which mandate NYC to begin work on a reservoir cover by the end of 2018. In August 2011, EPA announced that it would review LT2 and its requirement to cover uncovered finished storage reservoirs such as Hillview. DEP has spent significant funds analyzing water quality, engineering options, and other matters relating to the Hillview Reservoir. Potential costs affiliated with construction are estimated to be on the order of $1.6B.

9.6.h.3 Other: State of Good Repair Projects and Sustainability/Resiliency Initiatives

Wastewater Projects

- Climate Resiliency

In October 2013, on the first anniversary of Hurricane Sandy, DEP released the NYC Wastewater Resiliency Plan, the nation's most detailed and comprehensive assessment of the risks that climate change poses to a wastewater collection and treatment system. The groundbreaking study, initiated in 2011 and expanded after Hurricane Sandy, was based on an asset-by-asset analysis of the risks from storm surge under new flood maps at all 14 WWTPs and 58 of NYC's pumping stations, representing more than $1B in infrastructure.

DEP estimates that it will spend $447M in cost-effective upgrades at these facilities to protect valuable equipment and to minimize disruptions to critical services during future storms. It is estimated that investing in these protective measures today will help protect this infrastructure from over $2B in repeated flooding losses over the next 50 years. DEP is currently pursuing funding through the EPA State Revolving Fund Storm Mitigation Loan Program for these upgrades.

DEP will coordinate this work with the broader coastal protection initiatives, such as engineered barriers and wetlands, described in the 2013 report, "A Stronger, More Resilient New York," and continue to implement the energy, drinking water, and drainage strategies identified in the report to mitigate the impacts of future extreme events and climate change. This includes ongoing efforts to reduce CSOs with GI as part of LTCPs and build-out of high level storm sewers that

reduce both flooding and CSOs. It also includes build-out of storm sewers in areas of Queens with limited drainage and continued investments and build-out of the Bluebelt system.

- Energy projects at WWTPs

  NYC's blueprint for sustainability, PlaNYC 2030: A Greener, Greater New York, set a goal of reducing NYC's greenhouse gases (GHG) emissions from 2006 levels by 30 percent by 2017. This goal was codified in 2008 under Local Law 22. In April 2015, NYC launched an update to PlaNYC called One New York: The Plan for a Strong and Just City (OneNYC), which calls for reducing New York City's greenhouse gas emissions by 80 percent below 2005 levels by 2050. In order to meet the OneNYC goal, DEP is working to reduce energy consumption and GHG emissions through reduction of fugitive methane emissions; investment in cost-effective, clean energy projects; and energy efficiency improvements. DEP has approximately $500M allocated in its CIP to make additional system repairs to flares, digester domes, and digester gas piping, in order to maximize capture of fugitive emissions for beneficial use or flaring. A 12 megawatt cogeneration and electrification system is currently in design for the North River WWTP and is estimated to be in operation in winter 2020. The total project cost is estimated at $278M. To reduce energy use and increase energy efficiency, DEP has completed energy audits at all 14 in-City WWTPs. Close to 150 energy conservation measures (ECMs) relating to operational and equipment improvements to aeration, boilers, dewatering, digesters, heating, ventilation and air conditioning, electrical, thickening, and main sewage pumping systems have been identified and accepted for implementation. Energy reductions from these ECMs have the potential to reduce greenhouse gas emissions by over 160,000 MT of carbon emissions at an approximate cost of $140M.

Water Projects

- Water for the Future

  In 2011, DEP unveiled Water for the Future, a comprehensive program to permanently repair the leaks in the Delaware Aqueduct, which supplies half of New York's drinking water. Based on a 10-year investigation and more than $200M of preparatory construction work, DEP is designing a bypass for a section of the Delaware Aqueduct in Roseton and internal repairs for a tunnel section in Wawarsing. Since DEP must shut down the Aqueduct when it is ready to connect the bypass tunnel, DEP is also working on projects that will supplement NYC's drinking water supply during the shutdown, such as implementing demand reduction initiatives, such as offering a toilet replacement program, replacing municipal fixtures, and providing demand management assistance to the wholesale customers located north of NYC. Construction of the shafts for the bypass tunnel is underway, and the project will culminate with the connection of the bypass tunnel in 2022. The cost for this project is estimated to be about $1.5B.

- Gilboa Dam

  DEP is currently investing in a major rehabilitation project at Gilboa Dam at Schoharie Reservoir. Reconstruction of the dam is the largest public works project in Schoharie County, and one of the largest in the entire Catskills. The rehabilitation of Gilboa Dam is part of an approximately $458M program to build and improve other facilities near the dam.

- Kensico Eastview Connection 2

  To ensure the resilience and provide critical redundancy of infrastructure in NYC's water supply system, DEP will be constructing a new tunnel between the Kensico Reservoir and the Ultraviolet Disinfection Facility. The cost for this project is estimated to be about $1.1B.

- Activation of City Tunnel No. 3 Brooklyn/Queens

  The Brooklyn/Queens leg of City Tunnel No. 3 is a 5.5-mile section in Brooklyn that connects to a 5-mile section in Queens. The project is scheduled for completion in the 2020s. When activated, the Brooklyn/Queens leg will deliver water to Staten Island, Brooklyn, and Queens and provide critical redundancy in the system. This project is estimated to cost about $652M.

9.6.i Potential Impacts of CSO LTCPs to Future Household Costs

As previously discussed, DEP is facing significant future wastewater spending commitments associated with several regulatory compliance programs. This section presents the anticipated CSO LTCP implementation costs for NYC and describes the potential resulting impacts to future household costs for wastewater service, when coupled with DEP's current and future investments. As described below, estimating the future rate and income increases through 2040 based on the cumulative impacts of this investment and DEP's other future spending, up to 50 percent of households could pay two percent or more of their income for wastewater services. The information in this section will be refined in future LTCP waterbody submittals.

9.6.i.1 Estimated Costs for Waterbody CSO Preferred Alternative

As discussed in Section 8.8, the preferred LTCP alternative for Coney Island Creek does not include further CSO control related projects. Existing floatables control measures at the Cropsey Avenue Bridge will continue controlling the discharge of floatables associated with the remaining CSO volume at Outfall OH-021. DEP will continue to conduct PCM to determine benefits to bacteria and DO levels from the recently upgraded Avenue V Pumping Station and associated infrastructure. Plans also include management of one percent of the combined sewer impervious area by implementing GI in Coney Island Creek watershed by 2030 and were included in the LTCP baseline conditions. As such, there are no costs directly ascribable to the LTCP preferred alternative.

To-date, approximately $200M has been committed to grey CSO control infrastructure in the Coney Island Creek system.

9.6.i.2 Overall Estimated Citywide CSO Program Costs

DEP's LTCP planning process was initiated in 2012 and will extend through the end of 2017 pursuant to the 2012 CSO Consent Order schedule. Overall anticipated CSO program costs for NYC will not be known until all of the LTCPs have been developed and approved. Capital costs for the LTCP preferred alternatives that have been identified to-date are presented in Table 9-10. Also, GI is a major component of the 2012 CSO Consent Order. The overall GI program cost is estimated at $2.4B, of which $1.5B will be spent by DEP. The GI program costs are in addition to the grey CSO program costs and are therefore presented as a separate line item.

As illustrated in Table 9-10, from FY2002-FY2014, DEP has committed about $2B to CSO control. While the LTCP process is not complete, DEP has committed additional funding towards CSO in the current CIP. Approximately $1.68B has been committed towards CSO investments, which could be some combination of grey, green, and treatment options from F2015- FY2025.

Costs for waterbodies where a LTCP has not yet been prepared will be identified in future LTCP waterbody submittals. The LTCP preferred alternatives for these waterbodies could be a mix of treatment and storage options.

Table 9-10. Committed Costs and Range of Future CSO Program Costs and Water Quality Improvements[1]

Waterbody / Watershed	Historical and Current CIP Commitments	Incurred Cost FY2002-FY2014	Committed Cost FY2015-FY2025[4]	Total Existing CSO Program Cost	LTCP Costs[5]	CSO Reductions from LTCP	
						CSO Volume Reduced (Million Gallons)	CSO Volume Treated (Million Gallons)
Alley Creek and Little Neck Bay	CSO Abatement Facilities and East River CSO	$139,131,521	$12,000,000	$151,131,521	$7,600,000	0	131
Westchester Creek	Hunts Point WWTP Headworks, Regulator Modification, Pugsley Creek Parallel Sewer	$7,800,000	$78,062,000	$85,862,000	$0	0	0
Hutchinson River	Hunts Point WWTP Headworks	$2,876,930	$108,000,000	$110,876,930	$90,000,000	0	584
Flushing Creek	Flushing Bay Corona Avenue Vortex Facility, Flushing Bay CSO Retention, Flushing Bay CSO Storage	$357,015,599	$10,549,000	$367,564,599	$6,890,000	0	82
Bronx River	Installation of Floatable Control Facilities, Hunts Point WWTP Headworks	$46,989,901	$0	$46,989,901	$110,100,000	170	0
Gowanus Canal	Gowanus Flushing Tunnel Reactivation, Gowanus Facilities Upgrade	$176,165,050	$314,463,000	$490,628,050	Included in Superfund Costs [6]	90	0
Coney Island Creek	Avenue V Pumping Station, Force Main Upgrade	$200,899,634	($958,000)	$199,941,634	$0	0	0
Jamaica Bay	Improvements of Flow Capacity to 26th Ward Drainage Area, Hendrix Creek Canal Dredging, Shellbank Destratification, Spring Creek AWCP Upgrade, 26 Ward Wet Weather Improvements	$173,711,633	$397,389,000	$571,110,633			
Flushing Bay[2]	High Level Regulator Mods, Low Level Diversion Sewer (See Flushing Creek for Costs)	$0	$60,094,000	$60,094,000			
Newtown Creek	English Kills Aeration, Newtown Creek Headworks, Bending Weirs, & Floatables Control	$159,639,614	$91,103,000	$250,742,614			
East River and Open Waters	Bowery Bay Headworks, Inner Harbor In-Line Storage, Port Richmond Throttling Facility, Tallman Island Conveyance Improvements, Outer Harbor CSO Regulator Improvements	$153,145,476	($69,000)	$153,076,476			
Bergen and Thurston Basins[3]	Warnerville Pumping Station and Force Main, Bending Weirs	$41,771,863	($187,000)	$41,584,863			
Paerdegat Basin	Retention Tanks, Paerdegat Basin Water Quality Facility	$397,046,297	($5,019,000)	$392,027,297			
Green Infrastructure Program	Miscellaneous Projects Associated with City-wide Green Infrastructure Program	$176,118,589	$ 989,645,000	$1,165,763,589			
Other CSO Controls		$10,429,814	$ 940,050,000	$ 950,479,814			
Total Grey		$1,866,623,333	$2,005,477,000	$3,872,100,333			
Total Grey + Green		$ 2,042,741,921	$ 2,995,122,000	$ 5,037,863,921			

Notes:
(1) All costs reported in this table reflect estimated capital costs only (i.e., probable bid cost). Projected O&M costs are not included. Capital costs are based on estimates from September 2015.
(2) Committed costs for Flushing Bay are captured in the committed costs reported for Flushing Creek;
(3) Bergen and Thurston Basins and Paerdegat Basin are not part of the current LTCP effort; thus, no LTCP detail is provided for them.
(4) Negative values reflect de-registration of committed funds.
(5) LTCP Construction Costs are based on 2015 dollars and are not escalated out to mid-point of construction. None of the LTCPs have been approved and the costs are subject to change.
(6) Potential Superfund costs for the Gowanus Canal range from $650M to $1B

9.6.i.3 Potential Impacts to Future Household Costs

The potential future rate impacts of the possible future CSO control capital costs were determined by considering capital investments in the current CIP (FY2017-2025); estimated future DEP investments from 2026 to 2040 of $1.5B per year, which is based on the current CIP average of $1.5B per year, inflated by 3 percent per year beginning in 2026; and a conceptual $5B in LTCP spending through 2040 (actual costs have not yet been determined). This potential $5B in LTCP spending is in addition to the $4.2B in existing commitments associated with the WWFP grey CSO control projects and the citywide GI program, resulting in a potential total CSO program financial commitment of $9.2B (see Table 9-11). The cost estimates presented will evolve over the next two years as the LTCPs are completed for the remaining waterbodies and will be updated as the LTCPs are completed.

Table 9-11. Financial Commitment to CSO Reduction

New York City's CSO Program	Financial Commitment ($B)
Waterbody/Watershed Facility Plan and other CSO Projects	$2.7
Green Infrastructure Program	$1.5
LTCP	$5.0(1)
Total	**$9.2**

Notes:
(1) Total LTCP costs are not currently known. For conceptual purposes, up to $5B in LTCP spending through 2040 is assumed. Actual costs will be determined as part of the LTCP planning process.

A 4.75 percent interest rate was used to determine the estimated annual interest cost associated with the capital costs, and the annual debt service was divided by the FY2017 Revenue Plan value to determine the resulting percent rate increase. This also assumes bonds are structured for a level debt service amortization over 32 years. Note that interest rates on debt could be significantly higher in the future. For illustration purposes, future annual O&M increases and other incremental costs were estimated based on historical data.

As Table 9-12 shows, implementation of the current CIP (FY2017-2025) would result in a 60 percent rate increase by 2025. Additional potential mandates and CIP investments from 2026 to 2040 (using an average of $1.5B per year, inflated by 3 percent per year), as well as the up to $5B in total LTCP spending, could add an additional 134 percent. Cumulatively the rates could increase on the order of 194 percent higher than 2016 values.

Table 9-13 shows the potential range of future spending and its impact on household cost compared to MHI for the analysis years of 2016 (current conditions), 2025 (end of current CIP), and 2040 (accounts for anticipated additional spending). While these estimates are preliminary, it should be noted (as discussed in detail earlier in this section), that comparing household cost to MHI alone does not tell the full story since a large percentage of households below the median could be paying a larger percentage of their income on these costs.

Table 9-12. Potential Future Spending Incremental Additional Household Cost Impact

Analysis Year	Percent Rate Increase from Proposed FY 2017 Rates	Additional Annual Household Cost		
		Single-family Home	Multi-family Unit	Average Cost
2025[1]	60%	$645	$420	$528
2040[2]	134%	$1,447	$940	$1,186
Cumulative Total	**194%**	**$2,092**	**$1,360**	**$1,714**

Notes:
(1) Includes costs for the Current CIP (2017-2025), which has $1.2B in LTCP spending.
(2) Reflects costs in addition to costs through 2025. Includes an estimated $1.5B in annual spending with inflation for 2025-2040. Total LTCP costs are not currently known. For conceptual purposes, up to $5B in LTCP spending through 2040 is assumed.

Figure 9-10 shows the average estimated household cost for wastewater services compared to household income, versus the percentage of households in various income brackets for 2016 (using the proposed FY 2017 rate) and projected future rates for 2025 and 2040 (based on detail included in Table 9-10). As shown, roughly 30 percent of households are estimated to pay two percent or more of their income on wastewater service alone in 2016. Estimating the future rate and income increases to 2025 and 2040 (based on the projected costs in Table 9-12 and historic Consumer Price Index data, respectively), up to 50 percent of households could be paying more than 2 percent of their income on wastewater services when all future spending scenarios would be in place—the average wastewater bill is estimated to be about 2 percent of MHI in 2040. This is summarized in Table 9-14.

Table 9-13. Total Estimated Cumulative Future Household Costs / Median Household Income

Year	Total Projected Annual Household Cost[1]			Projected MHI[2]	Total Water and Wastewater HH Cost / MHI			Total Wastewater HH Cost / MHI		
	Single-family Home	Multi-family Unit	Average HH Cost		Single-family Home	Multi-family Unit	Average HH Cost	Single-family Home	Multi-family Unit	Average HH Cost
2016	$1,078	$700	$883	$53,961	2.00%	1.30%	1.64%	1.23%	0.80%	1.00%
2025	$1,723	$1,120	$1,411	$63,026	2.73%	1.78%	2.24%	1.68%	1.09%	1.37%
2040	$3,170	$2,060	$2,597	$79,830	3.97%	2.58%	3.25%	2.44%	1.58%	2.00%

Notes:
(1) Projected household costs are estimated from rate increases presented in Table 9-12.
(2) Costs were compared to assumed MHI projection which was estimated using Census and Consumer Price Index data.

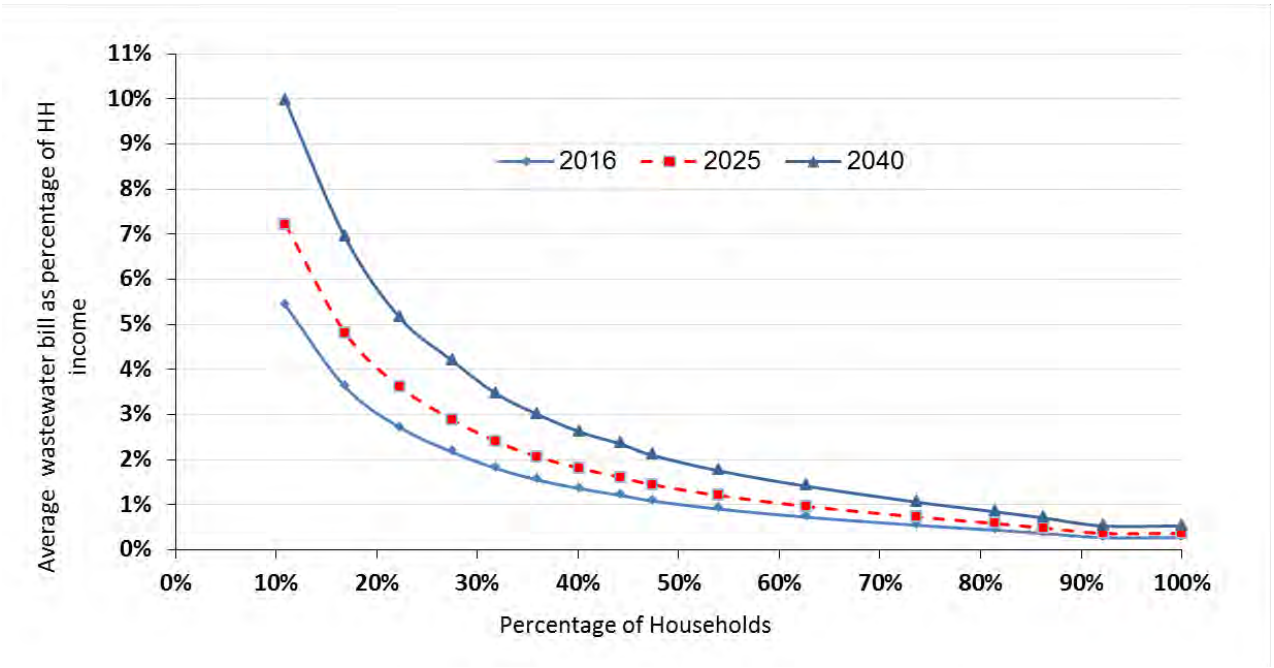


Figure 9-10. Estimated Average Wastewater Household Cost Compared to Household Income (2016, 2025, and 2040)

Table 9-14. Average Household Wastewater Bill / Income Snapshot over Time

Year	RI using Average Wastewater Cost/MHI	RI using Average Wastewater Cost/Upper Limit of Lowest Quintile	RI using Average Wastewater Cost/Upper Limit of Second Quintile	Percent of HH estimated to be paying more than 2% of HH income on Wastewater Services
2016	1.0%	3.0%	1.3%	30%
2025	1.4%	4.1%	1.8%	35%
2040	2.0%	6.0%	2.6%	50%

DEP, like many utilities in the nation, provides both water and wastewater service, and its rate payers see one bill. Currently the average combined water and sewer bill is around 1.6 percent of MHI, but approximately 22 percent of households are estimated to be paying more than 4.5 percent of their income, and that could increase to about 38 percent of households in future years by 2040 as shown in Figure 9-11.

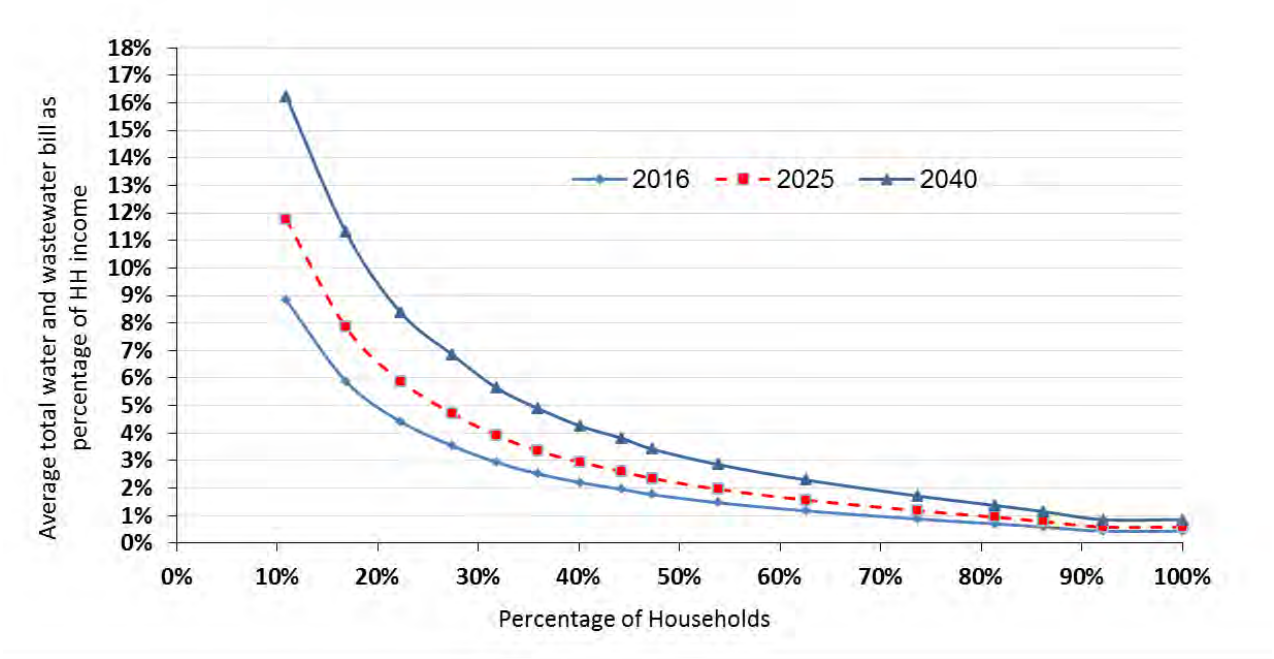


Figure 9-11. Estimated Average Total Water and Wastewater Household Cost Compared to Household Income (2016, 2025, and 2040)

9.6.j Benefits of Program Investments

DEP has been in the midst of an unprecedented period of investment to improve water quality in New York Harbor. Projects worth almost $10B have been completed or are underway since 2002 alone, including projects for nutrient removal, CSO abatement, marshland restoration in Jamaica Bay, and hundreds of other projects. In-NYC investments are improving water quality in the Harbor and restoring a world-class estuary while creating new public recreational opportunities and inviting people to return to NYC's 578 miles of waterfront. A description of citywide water quality benefits resulting from previous and ongoing programs is provided below, followed by the anticipated benefits of water quality improvements to the Coney Island Creek resulting from implementation of the baseline projects.

9.6.j.1 Citywide Water Quality Benefits from Previous and Ongoing Programs and Anticipated Coney Island Creek Water Quality Benefits

Water quality benefits have been documented in the Harbor and its tributaries from the almost $10B investment that NYC has already made in grey and GI since 2002. Approximately 95 percent of the Harbor is available for boating and kayaking, and 14 of NYC's beaches provide access to swimmable waters in the Bronx, Brooklyn, Queens and Staten Island.

Figure 9-12 shows the historical timeline of DEP's investments in wastewater infrastructure since the CWA of 1972. Of the $10B invested since 2002, almost 20 percent has been dedicated to controlling CSOs and stormwater. That investment has resulted in NYC capturing and treating over 70 percent of the combined stormwater and wastewater that otherwise would be directly discharged to our waterways

during periods of heavy rain or runoff. Projects that have already been completed include: GI projects in 26th Ward, Hutchinson River and Newtown Creek watersheds; area-wide GI contracts; Avenue V Pumping Station and Force Main; and the Bronx River Floatables Control. Several other major projects are in active construction or design. The water quality improvements already achieved have allowed greater access of the waterways and shorelines for recreation, as well as enhanced environmental habitat and aesthetic conditions in many of NYC's neighborhoods.

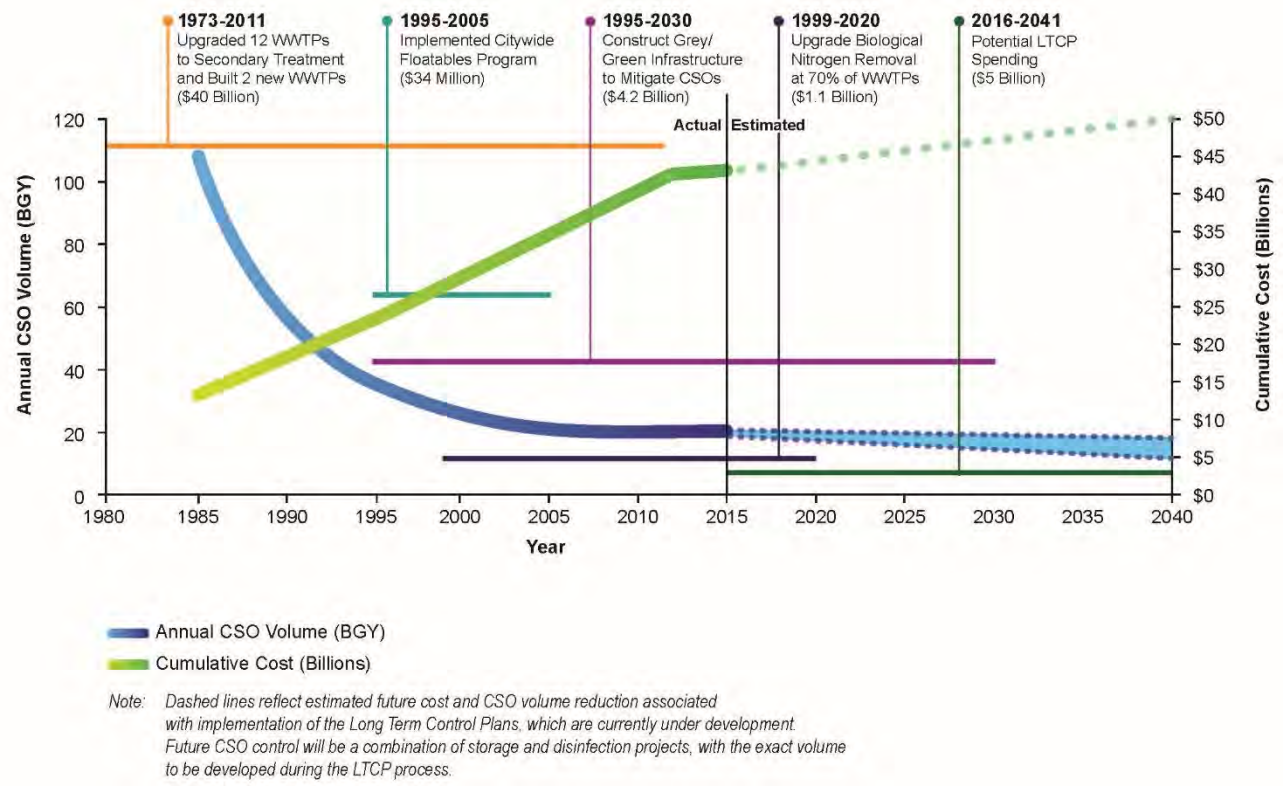


Figure 9-12. Historical Timeline for Wastewater Infrastructure Investments and CSO Reduction Over Time

Although significant investments have been made for water quality improvements Harbor-wide, more work is needed. DEP has committed to working with DEC to further reduce CSOs and make other infrastructure improvements to gain additional water quality improvements. The 2012 CSO Consent Order between DEP and DEC outlines a combined grey and green approach to reduce CSOs. This LTCP for the Coney Island Creek is just one of the detailed plans that DEP is preparing by the year 2017 to evaluate and identify additional control measures for reducing CSO and improving water quality in the Harbor. DEP is also committed to extensive water quality monitoring throughout the Harbor which will allow better assessment of the effectiveness of the controls implemented.

As noted above, a major component of the 2012 CSO Consent Order that DEP and DEC developed is GI stormwater control measures. DEP is targeting implementing GI in priority combined sewer areas citywide. GI will take multiple forms, including green or blue roofs, bioinfiltration systems, right-of-way

bioswales, rain barrels, and porous pavement. These measures provide benefits beyond their associated water quality improvements. Depending on the measure installed, they can recharge groundwater, provide localized flood attenuation, provide sources of water for non-potable use (such as watering lawns or gardens), reduce heat island effect, improve air quality, enhance aesthetic quality, and provide recreational opportunities. These benefits contribute to the overall quality of life for residents of NYC.

A detailed discussion of anticipated water quality improvements to the Coney Island Creek is included in Section 8.0.

9.6.k Conclusions

As part of the LTCP process, DEP will continue to develop and refine the affordability and financial capability assessments for each individual waterbody as it works toward an expanded analysis for the citywide LTCP. In addition to what is outlined in the Federal CSO guidance on financial capability, DEP has presented in this section a number of additional socioeconomic factors for consideration in the context of affordability and assessing potential impacts to our ratepayers. Furthermore, it is important to include a fuller range of future spending obligations and DEP has presented an initial picture of that in this section. Ultimately, the environmental, social, and financial benefits of all water-related obligations should be considered when priorities for spending are developed and implementation of mandates are scheduled, so that resources can be focused where the community will get the most environmental benefit.

9.7 Compliance with Water Quality Goals

As noted above, Coney Island Creek is currently not attaining the Class I bacteria criterion. The assessment of the waterbody indicates that Coney Island Creek does not attain Primary Contact WQ Criteria, nor is it suitable for such uses. A UAA is included with this LTCP.

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11.0 GLOSSARY

1.5xDDWF:	One and One-half Times Design Dry Weather Flow
2xDDWF:	Two Times Design Dry Weather Flow
AACE:	Association for the Advancement of Cost Engineering
AMP:	Asset Management Plan
BEACH:	Beaches Environmental Assessment and Coastal Health
BGY:	Billon Gallons Per Year
BMP:	Best Management Practice
BOD:	Biochemical Oxygen Demand
CEG:	Cost Effective Grey
CI:	Coney Island
CIC:	Coney Island Creek
CICWQM:	Coney Island Creek Water Quality Model
CIP:	Capital Improvement Plan
CPK:	Central Park
CSO:	Combined Sewer Overflow
CSS:	Combined Sewer System
CWA:	Clean Water Act
DCIA:	Directly Connected Impervious Areas
DCP:	New York City Department of City Planning
DDC:	New York City Department of Design and Construction
DDWF:	Design Dry Weather Flow
DEC:	New York State Department of Environmental Conservation
DEP:	New York City Department of Environmental Protection
DOB:	New York City Department of Buildings

DOE:	New York City Department of Education
DOF:	New York City Department of Finance
DOH:	New York State Department of Health
DOHMH:	New York City Department of Health and Mental Hygiene
DPR:	New York City Department of Parks and Recreation
DWF:	Dry Weather Flow
EBP:	Environmental Benefit Project
ECL:	New York State Environmental Conservation Law
ECM:	Energy Conservation Measure
EDC:	New York City Economic Development Corporation
EPA:	United States Environmental Protection Agency
ET:	Evapotranspiration
EWR:	Newark Liberty International Airport
FAD:	Filtration Avoidance Determination
FCA:	Financial Capability Analysis
FCI:	Financial Capability Indicators
FMPV:	Full Market Property Value
FT:	Abbreviation for “Feet”
FY:	Fiscal Year
GHG:	Greenhouse Gases
GI:	Green Infrastructure
GIS:	Geographical Information System
GM:	Geometric Mean
G.O.:	General Obligation
GRTA:	NYC Green Roof Tax Abatement
HEAP:	Home Energy Assistance Program

HH:	Household
HLSS:	High Level Storm Sewers
HRC:	High Rate Classification
HSM:	Harbor Survey Monitoring Program
HWAP:	Home Water Assistance Program
IEC:	Interstate Environmental Commission
in.:	Abbreviation for “Inches”.
in/hr:	Inches per hour
IW:	InfoWorks CS™
JFK:	John F. Kennedy International Airport
KOTC:	Knee-of-the-Curve
lbs/day:	pounds per day
lf:	Linear feet
LGA:	LaGuardia Airport
LT2:	Long Term 2
LTCP:	Long Term Control Plan
MCP:	Multifamily Conservation Program
mg/L:	milligrams per liter
MG:	Million Gallons
MGD:	Million Gallons Per Day
MGY:	Million Gallons Per Year
MHI:	Median Household Income
MMP:	Mercury Minimization Program
MOU:	Memorandum of Understanding
MPN:	Most probable number
MS4:	Municipal separate storm sewer systems

MWFA:	New York City Municipal Water Finance Authority
NMC:	Nine Minimum Control
NOAA:	National Oceanic and Atmospheric Administration
NPDES:	National Pollutant Discharge Elimination System
NPW:	Net Present Worth
NYC:	New York City
NYCHA:	New York City Housing Authority
NYCRR:	New York Codes, Rules and Regulations
NYCT:	New York City Transit
NYS:	New York State
O&M:	Operation and Maintenance
OGI:	Office of Green Infrastructure
OH:	Owls Head
PBC:	Probable Bid Cost
PCM:	Post-Construction Compliance Monitoring
POTW:	Publicly Owned Treatment Plant
PS:	Pump Station or Pumping Station
RI:	Residential Indicator
ROD:	Record of Decision
ROW:	Right-of-Way
ROWB:	Right-of-way bioswales
RTB:	Retention Treatment Basin
RWQC:	Recreational Water Quality Criteria
S&P:	Standard and Poor
SCA:	NYC School Construction Authority
SDWA:	Safe Drinking Water Act

SM:	Sentinel Monitoring
SPDES:	State Pollutant Discharge Elimination System
SSS:	Sanitary Sewer Systems
STV:	Statistical Threshold Value
SWIM:	Stormwater Infrastructure Matters Coalition
SYNOP:	Synoptic Surface Plotting Models
TBD:	To Be Determined
TMDL:	Total Maximum Daily Load
TOC:	Total Organic Carbon
TRC:	Total Residual Chlorine
TSS:	Total Suspended Solids
UAA:	Use Attainability Analysis
U.S.:	United States
UV:	Ultraviolet Light
WQ:	Water Quality
WQBEL:	Water Quality Based Effluent Limitations
WQS:	Water Quality Standards
WWFP:	Waterbody/Watershed Facility Plan
WWOP:	Wet Weather Operating Plan
WWTP:	Wastewater Treatment Plant

Appendix A: Supplemental Tables

**Annual CSO, Stormwater, Direct Drainage,
Local Source Baseline Volumes (2008 Rainfall)**

Combined Sewer Outfalls			
Waterbody	**Outfall**	**Regulator**	**Total Discharge (MG/Yr)**
Coney Island Creek	OH-021	V	74.5
Gravesend Bay	OH-015	9	1105.7
		Total CSO	**1180.2**

MS-4 Outfalls			
Waterbody	**Outfall**	**Regulator**	**Total Discharge, (MG/Yr)**
Coney Island Creek	CI-601	NA	38.4
Coney Island Creek	CI-602	NA	79.0
Coney Island Creek	CI-639	NA	118.9
Coney Island Creek	CI-640	NA	49.3
Coney Island Creek	CI-641	NA	78.6
Coney Island Creek	CI-653	NA	65.0
Coney Island Creek	CI-664	NA	65.9
Coney Island Creek	CI-665	NA	42.7
Coney Island Creek	OH-021	NA	721.5
		Total MS-4	**1259.2**

Stormwater Outfalls			
Waterbody	**Outfall**	**Regulator**	**Total Discharge, (MG/Yr)**
Coney Island Creek	OH--62	NA	9.5
Gravesend Bay	OH--63	NA	10.6
Gravesend Bay	OH--64	NA	15.2
Gravesend Bay	OH--65	NA	38.0
Gravesend Bay	OH-875	NA	33.3
		Total Stormwater	**106.6**

Direct Runoff Outfalls			
Waterbody	**Outfall**	**Regulator**	**Total Discharge, (MG/Yr)**
Coney Island Creek	OH--68	NA	3.5
Coney Island Creek	OH--69	NA	5.1
Coney Island Creek	OH--70	NA	2.2
Coney Island Creek	OH--71	NA	3.3
Coney Island Creek	OH--72	NA	7.0
Coney Island Creek	OH--73	NA	6.0
Coney Island Creek	CI--61a	NA	5.5
Coney Island Creek	CI--61b	NA	4.6
Coney Island Creek	CI--61c	NA	2.8
Coney Island Creek	CI--61d	NA	3.9
Gravesend Bay	OH--61	NA	16.2
Gravesend Bay	OH--66	NA	9.3
Gravesend Bay	OH--67	NA	6.5
Gravesend Bay	OH--86	NA	9.4
Gravesend Bay	OH--87	NA	21.1
Gravesend Bay	CI--61	NA	68.6
		Total Direct Runoff	**175.3**

Highway Outfalls			
Waterbody	**Outfall**	**Regulator**	**Total Discharge (MG/Yr)**
Coney Island Creek	CI--61e		11.7
Gravesend Bay	OH--88		7.6
		Total Highway	**19.3**

Totals by Waterbody			
Waterbody	**Outfall**	**Regulator**	**Total Discharge (MG/Yr)**
Coney Island Creek			1399.0
Gravesend Bay			1341.7

Totals by Source			
Waterbody	**Outfall**	**Regulator**	**Total Discharge (MG/Yr)**
CSO			1180.2
MS-4			1259.2
Stormwater			106.6
Direct Runoff			175.3
Highway			19.3

Totals by Source by Waterbody			
Waterbody	**Outfall**	**Percent**	**Total Discharge (MG/Yr)**
Coney Island Creek	CSO	3	74.5
	MS-4	46	1259.2
	Stormwater	0	9.5
	Direct Runoff	2	44.1
	Highway	0	11.7
Gravesend Bay	CSO	40	1105.7
	MS-4	0	0.0
	Stormwater	4	97.1
	Direct Runoff	5	131.2
	Highway	0	7.6
		Total	**2740.7**

**Annual CSO, Stormwater, Direct Drainage,
Local Sources Enterococci Loads (2008 Rainfall)**

Combined Sewer Outfalls			
Waterbody	**Outfall**	**Regulator**	**Total Load (10^{12} cfu/Yr)**
Coney Island Creek	OH-021	V	548.1
Gravesend Bay	OH-015	9	7010.5
		Total CSO	**7558.5**

MS-4 Outfalls			
Waterbody	**Outfall**	**Regulator**	**Total Load (10^{12} cfu/Yr)**
Coney Island Creek	CI-601	NA	40.2
Coney Island Creek	CI-602	NA	82.6
Coney Island Creek	CI-639	NA	124.4
Coney Island Creek	CI-640	NA	13.1
Coney Island Creek	CI-641	NA	82.2
Coney Island Creek	CI-653	NA	68.0
Coney Island Creek	CI-664	NA	69.0
Coney Island Creek	CI-665	NA	44.8
Coney Island Creek	OH-021	NA	753.6
		Total MS-4	**1277.8**

Stormwater Outfalls			
Waterbody	**Outfall**	**Regulator**	**Total Load (10^{12} cfu/Yr)**
Coney Island Creek	OH--62	NA	10.1
Gravesend Bay	OH--63	NA	11.3
Gravesend Bay	OH--64	NA	16.1
Gravesend Bay	OH--65	NA	39.7
Gravesend Bay	OH-875	NA	34.8
		Total Stormwater	**111.9**

Direct Runoff Outfalls			
Waterbody	**Outfall**	**Regulator**	**Total Load (10^{12} cfu/Yr)**
Coney Island Creek	OH--68	NA	0.9
Coney Island Creek	OH--69	NA	1.2
Coney Island Creek	OH--70	NA	0.6
Coney Island Creek	OH--71	NA	0.8
Coney Island Creek	OH--72	NA	1.6
Coney Island Creek	OH--73	NA	1.4
Coney Island Creek	CI--61a	NA	1.3
Coney Island Creek	CI--61b	NA	1.1
Coney Island Creek	CI--61c	NA	0.7
Coney Island Creek	CI--61d	NA	0.9
Gravesend Bay	OH--61	NA	3.7
Gravesend Bay	OH--66	NA	2.2
Gravesend Bay	OH--67	NA	1.5
Gravesend Bay	OH--86	NA	2.1
Gravesend Bay	OH--87	NA	4.8
Gravesend Bay	CI--61	NA	15.6
		Total Direct Runoff	**40.6**

Highway Outfalls			
Waterbody	**Outfall**	**Regulator**	**Total Load (10^{12} cfu/Yr)**
Coney Island Creek	CI--61e		3.6
Gravesend Bay	OH--88		2.3
		Total Highway	**5.9**

Totals by Waterbody			
Waterbody	**Outfall**	**Regulator**	**Total Load (10^{12} cfu/Yr)**
Coney Island Creek			1850.2
Gravesend Bay			7144.6

Totals by Source			
Waterbody	**Outfall**	**Regulator**	**Total Load (10^{12} cfu/Yr)**
CSO			7558.5
MS-4			1277.8
Stormwater			111.9
Direct Runoff			40.6
Highway			5.9

Totals by Source by Waterbody			
Waterbody	**Outfall**	**Percent**	**Total Load (10^{12} cfu/Yr)**
Coney Island Creek	CSO	6	548.1
	MS-4	14	1,277.8
	Stormwater	0	10.1
	Direct Runoff	0	10.6
	Highway	0	3.6
Gravesend Bay	CSO	78	7010.5
	MS-4	0	0.0
	Stormwater	1	101.8
	Direct Runoff	0	30.0
	Highway	0	2.3
		Total	**8,994.7**

**Annual CSO, Stormwater, Direct Drainage,
Local Sources Fecal Coliform Loads (2008 Rainfall)**

Combined Sewer Outfalls			
Waterbody	**Outfall**	**Regulator**	**Total Load (10^{12} cfu/Yr)**
Coney Island Creek	OH-021	V	971.5
Gravesend Bay	OH-015	9	24927.9
		Total CSO	**25899.4**

MS-4 Outfalls			
Waterbody	**Outfall**	**Regulator**	**Total Load (10^{12} cfu/Yr)**
Coney Island Creek	CI-601	NA	39.5
Coney Island Creek	CI-602	NA	81.1
Coney Island Creek	CI-639	NA	122.1
Coney Island Creek	CI-640	NA	22.4
Coney Island Creek	CI-641	NA	80.7
Coney Island Creek	CI-653	NA	66.8
Coney Island Creek	CI-664	NA	67.7
Coney Island Creek	CI-665	NA	43.9
Coney Island Creek	OH-021	NA	739.9
		Total MS-4	**1264.2**

Stormwater Outfalls			
Waterbody	**Outfall**	**Regulator**	**Total Load (10^{12} cfu/Yr)**
Coney Island Creek	OH--62	NA	9.9
Gravesend Bay	OH--63	NA	11.1
Gravesend Bay	OH--64	NA	15.8
Gravesend Bay	OH--65	NA	39.0
Gravesend Bay	OH-875	NA	34.1
		Total Stormwater	**109.9**

Direct Runoff Outfalls			
Waterbody	**Outfall**	**Regulator**	**Total Load (10^{12} cfu/Yr)**
Coney Island Creek	OH--68	NA	0.6
Coney Island Creek	OH--69	NA	0.8
Coney Island Creek	OH--70	NA	0.4
Coney Island Creek	OH--71	NA	0.6
Coney Island Creek	OH--72	NA	1.1
Coney Island Creek	OH--73	NA	0.9
Coney Island Creek	CI--61a	NA	0.9
Coney Island Creek	CI--61b	NA	0.7
Coney Island Creek	CI--61c	NA	0.5
Coney Island Creek	CI--61d	NA	0.6
Gravesend Bay	OH--61	NA	2.5
Gravesend Bay	OH--66	NA	1.4
Gravesend Bay	OH--67	NA	1.0
Gravesend Bay	OH--86	NA	1.4
Gravesend Bay	OH--87	NA	3.2
Gravesend Bay	CI--61	NA	10.4
		Total Direct Runoff	**27.0**

Highway Outfalls			
Waterbody	**Outfall**	**Regulator**	**Total Load (10^{12} cfu/Yr)**
Coney Island Creek	CI--61e		9.0
Gravesend Bay	OH--88		5.8
		Total Highway	**14.8**

Totals by Waterbody			
Waterbody	**Outfall**	**Regulator**	**Total Load (10^{12} cfu/Yr)**
Coney Island Creek			2261.7
Gravesend Bay			25053.6

Totals by Source			
Waterbody	**Outfall**	**Regulator**	**Total Load (10^{12} cfu/Yr)**
CSO			25899.4
MS-4			1264.2
Stormwater			109.9
Direct Runoff			27.0
Highway			14.8

Totals by Source by Waterbody			
Waterbody	**Outfall**	**Percent**	**Total Load (10^{12} cfu/Yr)**
Coney Island Creek	CSO	4	971.5
	MS-4	5	1,264.2
	Stormwater	0	9.9
	Direct Runoff	0	7.1
	Highway	0	9.0
Gravesend Bay	CSO	91	24927.9
	MS-4	0	0.0
	Stormwater	0	100.0
	Direct Runoff	0	20.0
	Highway	0	5.8
		Total	**27,315.3**

**Annual CSO, Stormwater, Direct Drainage,
Local Sources BOD_5 Loads (2008 Rainfall)**

Combined Sewer Outfalls			
Waterbody	**Outfall**	**Regulator**	**Total Load (Lbs/Yr)**
Coney Island Creek	OH-021	V	10839.3
Gravesend Bay	OH-015	9	294987.1
		Total CSO	**305826.3**

MS-4 Outfalls			
Waterbody	**Outfall**	**Regulator**	**Total Load (Lbs/Yr)**
Coney Island Creek	CI-601	NA	2887.9
Coney Island Creek	CI-602	NA	5930.9
Coney Island Creek	CI-639	NA	8927.3
Coney Island Creek	CI-640	NA	3702.6
Coney Island Creek	CI-641	NA	5896.9
Coney Island Creek	CI-653	NA	4882.6
Coney Island Creek	CI-664	NA	4950.2
Coney Island Creek	CI-665	NA	3213.1
Coney Island Creek	OH-021	NA	54066.3
		Total MS-4	**94457.8**

Stormwater Outfalls			
Waterbody	**Outfall**	**Regulator**	**Total Load (Lbs/Yr)**
Coney Island Creek	OH--62	NA	726.9
Gravesend Bay	OH--63	NA	811.3
Gravesend Bay	OH--64	NA	1152.6
Gravesend Bay	OH--65	NA	2849.1
Gravesend Bay	OH-875	NA	2495.7
		Total Stormwater	**8035.5**

Direct Runoff Outfalls			
Waterbody	**Outfall**	**Regulator**	**Total Load (Lbs/Yr)**
Coney Island Creek	OH--68	NA	290.7
Coney Island Creek	OH--69	NA	403.3
Coney Island Creek	OH--70	NA	182.6
Coney Island Creek	OH--71	NA	274.6
Coney Island Creek	OH--72	NA	542.9
Coney Island Creek	OH--73	NA	468.6
Coney Island Creek	CI--61a	NA	429.6
Coney Island Creek	CI--61b	NA	361.9
Coney Island Creek	CI--61c	NA	231.4
Coney Island Creek	CI--61d	NA	308.2
Gravesend Bay	OH--61	NA	1227.6
Gravesend Bay	OH--66	NA	716.9
Gravesend Bay	OH--67	NA	510.7
Gravesend Bay	OH--86	NA	706.3
Gravesend Bay	OH--87	NA	1584.9
Gravesend Bay	CI--61	NA	5150.0
		Total Direct Runoff	**13390.3**

Highway Outfalls			
Waterbody	**Outfall**	**Regulator**	**Total Load (Lbs/Yr)**
Coney Island Creek	CI--61e		890.7
Gravesend Bay	OH--88		571.6
		Total CSO	**1462.3**

Totals by Waterbody			
Waterbody	**Outfall**	**Regulator**	**Total Load (Lbs/Yr)**
Coney Island Creek			110408.5
Gravesend Bay			312763.7

Totals by Source			
Waterbody	**Outfall**	**Regulator**	**Total Load (Lbs/Yr)**
CSO			305826.3
MS-4			94457.8
Stormwater			8035.5
Direct Runoff			13390.3
Highway			1462.3

Totals by Source by Waterbody			
Waterbody	**Outfall**	**Percent**	**Total Load (Lbs/Yr)**
Coney Island Creek	CSO	3	10839.3
	MS-4	22	94,457.8
	Stormwater	0	726.9
	Direct Runoff	1	3493.7
	Highway	0	890.7
Gravesend Bay	CSO	70	294987.1
	MS-4	0	0.0
	Stormwater	2	7308.6
	Direct Runoff	2	9896.5
	Highway	0	571.6
		Total	**423,172.2**

Appendix B: Long Term Control Plan (LTCP) Coney Island Creek Meeting #1 – Summary of Meeting and Public Comments Received

On November 4, 2015 DEP hosted the first public meeting for the water quality planning process for long term control of combined sewer overflows (CSOs) in Coney Island Creek. The two-hour event, held at the PS 90, Brooklyn, provided overview information about DEP's Long Term Control Plan (LTCP) Program, presented information on the Coney Island Creek watershed characteristics and status of waterbody improvement projects, obtained public information on waterbody uses in Coney Island Creek, and described additional opportunities for public input and outreach. The presentation can be found at http://www.nyc.gov/dep/ltcp.

Approximately fifteen people from the public attended the event as well as representatives from the Department of Environmental Protection and the New York State Department of Environmental Conservation. The following summarizes the questions and comments from attendees as well as responses given.

Q. An attendee asked what is the rest of the City's sewer area besides 60% of combined sewer area?

A. DEP stated that the rest of the area is separate stormwater and direct drainage.

Q. An attendee asked if gravity and slope have influence on the CSO activation?

A. DEP stated that topography and slope of the area do impact how the CSO flows.

Q. An attendee expressed a concern about odor issues near Outfall OH-021 during dry weather?

A. DEP stated that they did not experience strong odors during recent waterbody excursion some staff had taken. During the excursion, some dry weather flows were and were identified as potential illicit connections. Regarding illicit connections, DEP stated that over 30 establishments were dye tested and six were found to have illicit connections. The Sentinel Monitoring program abated these connections and continues to work on track down and abatement of illicit connections within the creek.

Q. An attendee asked what were the number of activations for Coney Island Creek obtained from the model?

A. DEP stated that flowmeters were installed and the data was used to calibrate the model and calculate the number of CSO events.

Q. An attendee asked what is DEC's input and does DEC approve/disapprove LTCP plans?

A. DEP stated that we conduct sampling, modeling and analytical work and then engineers develop alternatives and prepare an LTCP report which gets submitted for DEC for review and approval. There is a comment process between DEP and DEC until a final decision is made.

Q. An attendee asked if DEP has any coordination with EDC?

A. DEP stated that they and EDC coordinate closely.

Q. An attendee asked if DEP advocates eating fish?

A. DEP stated that recommended use for the Coney Island Creek is “Recreational Fishing” for sports not eating, as per the DEC fish advisory on the DEC website.

Q. An attendee asked if DEP collects benthic samples?

A. DEP stated that it tests only for water quality such as bacteria and dissolved oxygen (DO). There are other specific programs that sample for benthic but it is much more labor intense and therefore samples on less frequent bases.

Q. An attendee asked why DEP doesn’t sample for other toxic chemicals in the Creek and who is going to test if this is not under DEP’s mandate?

A. DEP stated that the LTCP CSO program is focused on pathogens and DO and as a result there are limits to what water quality tests are conducted for the process. Other agencies such as the New York State Department of Environmental Conservation conduct their own water quality tests and initiate water quality programs.

Q. An attendee asked why bacteria from dogs fecal matter that washes with stormwater is not addressed?

A. DEP stated that public education to encourage people to properly dispose of dog waste is part of the solution.

Q. An attendee asked what would cause DEP to dredge a waterbody?

A. DEP stated that one of the causes is exposed contaminated with heavy metals sediment mounds. CSO typically is not a source of heavy metals

Long Term Control Plan (LTCP) Coney Island Creek Meeting # 2 – Summary of Meeting and Public Comments Received

On April 20, 2016 DEP hosted the second public meeting for the water quality planning process for the Long Term Control Plan (LTCP) of combined sewer overflows (CSOs) in Coney Island Creek. The two-hour event was held at the New York Aquarium's Education Hall in Coney Island, Brooklyn. DEP presented information on:

- Addressing previous public comments received regarding: evaluation of alternatives that will make the Creek safe for fishing and swimming; concerns about legacy contamination in the Creek; elimination of illicit discharges; and assessment of Green Infrastructure in the vicinity of the Creek.
- Recent investments and ongoing construction within the Coney Island Creek watershed.
- NYC Green Infrastructure program.
- Results from LTCP sampling program.
- Evaluation of potential alternatives.

Four breakout sessions were then held to further discuss:

- Public concern and interests in CSO control
- Water quality classifications and uses
- Green Infrastructure and municipal separate storm sewer system (MS4) program, and
- Water rates and affordability.

The event finished with DEP providing a summary of discussions held during the breakout sessions, the ongoing LTCP public participation program, the next steps for the LTCP, and a brief question and answer session. The presentation and breakout session poster boards can be found at http://www.nyc.gov/dep/ltcp.

Approximately forty people from the public attended the event, as well as representatives from the Department of Environmental Protection (DEP). The following summarizes the questions and comments from attendees, as well as responses given.

Q: An attendee asked if the issue has been addressed at Ave. V Pump Station where dry weather discharges were occurring.

A: DEP responded that there was a rare issue caused by an electrical problem within the Variable Frequency Pumping, but it is resolved now.

Q: An attendee asked whether the new construction on Neptune and Mermaid Avenues and 33rd and Bayview is related to a DEP project.

A: DEP stated that yes this is correct. DEP is currently installing storm and sanitary sewers, as well as trunk and distribution mains in this area.

Q: DEP presented a slide on Legacy Industrial Contamination and environmental dredging that was conducted by the New York State Department of Environmental Conservation (DEC). An attendee asked where the dredged material was transported to.

A: DEP responded that there are strict regulations as to where materials can be disposed. There are several different facilities depending upon the type of contamination. A public meeting attendee stated that he believes the material was treated on site.

Q: An attendee asked for confirmation that DEP was referring to the site of the former gas tanks.

A: DEP responded yes, the project was related to the former Brooklyn Borough Gas Works site at the head end of Coney Island Creek.

Q: An attendee asked how stormwater flow can be tracked in the sewer.

A: DEP responded that a dye study is conducted in order to determine the flow. In the past, smoke testing was used in the sewer pipe.

Q: An attendee asked what the status of the water quality is now compared to the goals that DEP has set for the future.

A: DEP responded that this question will be discussed later in the presentation.

Q: An attendee asked if any studies were ever conducted regarding retention time at different parts of the Creek.

A: DEP responded that retention time is a part of the model used for Coney Island Creek. However, the retention time is not a variable that is typically looked at but can be generated.

Q: An attendee asked if the DEP speaker is referring to the 2009 HydroQual model and if sampling has been done since that study.

A: DEP responded that the 2009 HydroQual model was the starting point. Additional sampling was done in 2015 to add data and evaluate the model.

Q: An attendee asked if there are any plans for the Pump Station located at W. 24th Street near the Mark Twain Junior High School.

A: DEP responded that this is a former fire control Pumping Station and New York City is looking into potential uses of it.

Q: An attendee commented that new developments are being constructed on the east side of Coney Island Creek. The attendee stated that these developers should provide shoreline access points for the public and that by not doing so an opportunity was missed.

A: DEP responded that the comment will be taken into consideration.

Q: An attendee expressed concern about new developments and additional stormwater runoff that could contribute to CSOs. The attendee asked if DEP is taking these developments into consideration.

A: DEP responded that any new development in the CSO area has to comply with the 2012 stormwater rule which greatly increased how much runoff new development must control onsite. For the Long Term Control Plans the DEP model is based on future projections (year 2040) from City planning that takes into consideration the flows and loads with future development.

Q: An attendee asked what the purpose of the vertical and horizontal storage tanks/pumping stations and where do they pump to, Avenue V?

A: DEP responded that both a vertical shaft and a horizontal tunnel are types of CSO storage that will hold the CSO until the storm is over. The mixture of stormwater and sanitary flow is then pumped to Avenue V during dry weather and then to the Wastewater Treatment Plant.

Q: An attendee asked how deep vertical shafts and horizontal tunnels go.

A: DEP responded that the horizontal tunnels can be 40 to 80 feet deep while vertical shafts are often 100 feet deep.

Q: An attendee expressed concern about observing a truck dumping possible food products into the water recently. Is there a direct number to call regarding the issue?

A: DEP responded that DEC should be contacted though 1-8844-DEC-ECOS or 1-844-332-3267 and that it is always good to inform several parties. DEP asked to contact them as well and they will speak with DEC regarding the issue.

Q: An attendee asked how the storage tanks and tunnels are to be constructed.

A: DEP responded that they are looking into the topography of Coney Island. The terrain has some construction challenges but DEP believes that it could be possible. DEP has reached out to a consulting company that specializes in tunnels to see what is viable or not.

Q: An attendee asked if DEP has established a timeline as to when the vertical tunnel construction will start.

A: DEP responded that right now they do not even have a recommendation from the consulting company, and DEP is still evaluating their options. DEP also reiterated that the most cost-effective CSO project was already implemented with the construction of the Ave. V pump station upgrade. CSO volumes were reduced by 69% as a result of the project.

Breakout Session Summaries

Following the presentation, 4 breakout sessions were convened throughout the room for 30 minutes to allow for more detailed discussion surrounding the following topics:

- CSO controls
- Water Quality Classification and Uses
- Green Infrastructure and MS4
- Water Rates and Affordability

CSO Controls

Approximately 11 individuals visited the CSO controls breakout session hosted by Jim Mueller. The following topics were discussed during the session:

- Bending wire heights
- Illegal discharges
- Separate sewer system
- Diminishing returns for additional CSO control
- Continue to focus on illicit discharges
- Source control as a part of Toolbox option
- Educational programs along the Coney Island Creek
- Source control for existing MS4
- Relocation of stormwater discharges
- Fecal/Enterococcus ratio
- Impact of stormwater on flooding
- Illegal curb cuts and impervious pavement within privet properties
- CSO control before and now

Water Quality Classification and Uses

Approximately 10 individuals visited the Water Quality Classification and Uses breakout session hosted by Keith Mahoney and Lily Lee. The following topics were discussed during the session:

- Sampling program and remediation of dry weather sources
- Floatables control within the Creek
- Coastal barrier and how it can affect the water quality
- MS4 program
- Capping off all MS4 outfalls
- Dissolved oxygen attainment within the Creek
- Illicit discharges to the Creek and ways of preventing it
- Oyster shelling program within the Creek
- Grant programs available within the Coney Island Creek watershed

Green Infrastructure and MS4

Approximately 9 individuals visited the Green Infrastructure and MS4 breakout session hosted by Mikelle Adgate. The following topics were discussed during the session:

- What is MS4 and how it can be connected with Green Infrastructure Programs
- Why Green Infrastructure was not included in LTCP for Coney Island Creek
- How many Green Infrastructure Programs are feasible within Coney Island Creek watershed
- What is bioswale and how bioswale implementation can help the community
- Impact and limitations of groundwater towards Green Infrastructure projects
- Green roofs as a part of Green Infrastructure Program
- What public spaces can be used for Green Infrastructure and MS4
- Public and Privet Grant Programs
- MS4 as a new initiative to expand Green Infrastructure opportunities within the Creek
- Funding allocation for CSO and MS4
- Possibility of waterborne insects within Green Infrastructure Programs and MS4 (Zika Virus)

Affordability

Approximately 3 individuals visited the Affordability breakout session hosted by Sangamithra Iyer. The following topics were discussed during the session:

- Cost funding and schedule for CSO projects
- Funding schedule for each project
- Home Water Assistance Programs
- Water and sewer rates



S.W.I.M. Coalition
Stormwater Infrastructure Matters: utilizing stormwater as a resource, not a waste!

December 4, 2015

The Honorable Emily Lloyd
Commissioner
NYC DEP
59-17 Junction Blvd
Flushing, NY 11373

RE: S.W.I.M. Coalition Comments on the forthcoming Coney Island Creek CSO Long Term Control Plan

Dear Commissioner Lloyd,

The Stormwater Infrastructure Matters (S. W. I. M.) Coalition submits this letter in response to the New York City Department of Environmental Protection's (DEP) invitation for public comments concerning the development of the Coney Island Creek CSO Long Term Control Plan (LTCP).

The S.W.I.M. Coalition represents over 70 organizations dedicated to ensuring swimmable and fishable waters around New York City through natural, sustainable stormwater management practices. Our members are a diverse group of community-based, citywide, regional and national organizations, water recreation user groups, institutions of higher education, and businesses.

On behalf of the S.W.I.M. Coalition Steering Committee, please accept these comments regarding the Coney Island Creek LTCP process:

Public Participation

At the November 4th Kick-off meeting for the Coney Island Creek CSO LTCP, community members raised concerns regarding the public notification process for DEP's public meetings and suggested that DEP post fliers in highly trafficked public spaces in order to accomplish better attendance of the meetings. There were no more than a dozen attendees for the November 4th public meeting outside of NYC DEP, and including representatives from NYS DEC and SWIM Coalition. Several attendees noted that they did not see any public notices about the meeting but rather heard about it through personal contacts.

We appreciate DEP's efforts over the last several years to improve its openness about the CSO LTCP planning process and its willingness to receive constructive feedback from S.W.I.M. and other members of the public. Engaging the community is an educational opportunity and a chance for DEP to build alliances with and promote the need for an informed citizenry that understands the relationship of water consumption and water quality.

Lack of attendance at the public meetings results in missed educational opportunities for the community. A scarcity of public notification loses the trust of the local community who would like to be informed of water quality improvements in the neighborhood, and who can influence their neighbors and build awareness about ways citizens can assist the City's water quality improvement efforts.

Outreach could be expanded by sending fliers to residents in the watershed, reaching out to local community organizations for help with distribution of the flyers, and making announcements in local news sources used by the community in languages that reflect the demographics of the population. Offering to webcast the meetings for those unable to physically attend the meeting would result in DEP's ability to reach a larger number of people, some of whom cannot physically travel to the meetings in person.

In addition to the specific comments above, we'd like to reiterate several recommendations for improved public engagement that we've included in past comment letters, specifically in our September 2014 letter to Commissioner Emily Lloyd regarding DEP's LTCP process for all waterbodies. Below is a summary of some of those suggestions:

- Presentations should be tailored to the audience in a style to which recreational water users and concerned citizens can relate on a personal level.

- For the second public meeting, the public must be given more time to comment and must be provided with a real draft plan as well as the power point summary

- DEP should explore online technologies to solicit feedback, such as crowd-sourcing anecdotal data or using an interactive map to demonstrate where and how participants use the waterways.

Integration With Area-wide Planning

According to the Kick-off meeting presentation, the Coney Island Creek watershed is served mostly (76 percent) by the Municipal Separate Stormwater Sewer System (MS4). Stormwater runoff from the MS4 area results in 1.5 billion gallons of stormwater discharge, compared to the 235 million gallons of CSO discharge. The forthcoming MS4 stormwater management plan (SWMP) will have to manage more than three-quarters of the ongoing pollution that impacts Coney Island Creek. Even a one hundred percent CSO reduction will only address a fraction of the ongoing pollution in the creek, so alternatives for CSO reduction cannot be evaluated alone.

Beyond MS4 and CSO considerations, other significant activity in the area, such as the Economic Development Corporation's (EDC) Feasibility Study, is a concern for residents of Coney Island and the surrounding neighborhoods, and will have an impact on DEP's water quality improvement plans. We recommend that DEP acknowledge the EDC study in the proposed Long Term Control Plan, and outline how various outcomes of the study could impact the City's water quality improvement plans for the Creek.

At the next public meeting, it would be useful to provide a review of all the recent water quality improvement programs that have taken place in the area to-date (DEP's efforts and those of other agencies and entities working in the area) and those which will take place over the next 3-5 years (i.e. the MS4 Stormwater Management Plan). This would give community members a better understanding of all the long term work slated to be conducted in their neighborhoods, how DEP's work in the area is related to the bigger picture, and what DEP's full scope of work will entail in the years ahead.

To echo City Council Member Trager's comments at the November 4th public meeting, it is vitally important to view the Coney Island Creek drainage area in the broader context of how it connects to the entire peninsula, and to portray how the proposed alternatives in the Coney Island Creek CSO LTCP can contribute to peninsula-wide solutions.

It is important to note that several attendees at the November 4th public meeting raised concerns about industrial pollutants in the Creek. We understand that NYC DEP's LTCP process is limited to solely addressing CSO reduction. However, the ultimate goal of the long term control plans is to improve water quality in Coney Island Creek and NYC waterways. This cannot be attained without assessing water quality holistically and considering other sources of water pollution. In addition to the MS4 sources of stormwater runoff, this includes the industrial pollutants that locals believe may include PCBs and heavy metals.

We recommend that DEP coordinate with NYS DEC to properly characterize the water quality in the public presentation and fact sheets for the Creek and to develop a comprehensive, coordinated plan to address all pollutants of concern to human and environmental health.

Existing Uses

Regardless of the designated use, it's important to note that people eat the fish caught in Coney Island Creek, community members stated this very clearly during the meeting. DEP's compliance with federal water quality standards is to ensure that the City's waterways are fishable and swimmable.

We hope that DEP's water quality improvement plans for Coney Island Creek will propose alternatives that ensure the waterbody will ultimately be fishable and clean enough for the education programs, such as the Coastal Classroom program led by City Parks Foundation in Kaiser Park, as well as the community stewardship projects and other activities conducted near the water's edge to continue without risking the health of the citizens who participate in them. As already mentioned, this approach would require addressing MS4 discharge and industrial contaminants, in addition to wet and dry weather CSO discharges.

Illicit sewer connections

In the public meeting, DEP noted that dry weather sampling indicated illegal discharges of sewage into the creek. One citizen from the area noted that she had identified a specific dry weather discharge site in the sewershed which appeared to be a significant contributor to contamination in the Creek. Such actions by local community members are vital to water quality improvement and should be recognized as exemplary and whenever possible, featured in DEP's public communication materials. If more citizens are rewarded and recognized publicly for their efforts, it is likely that others will get involved and help locate and monitor illegal discharges.

Also, a clear communication of DEP's investigative process for eliminating illegal discharges would help citizens understand how much time it takes to locate and disconnect the source of the discharges. We find it important for DEP to outline, in their forthcoming proposed water quality improvement plans, how the agency will conduct investigations into the origins of current illicit connections and what DEP plans to do to eliminate them in the future.

Green Infrastructure

NYC DEP's Green Infrastructure Plan has a goal of managing stormwater, through green infrastructure, on 10 percent of all impervious surfaces in combined sewer service areas of the City by 2030.

S. W. I. M. Coalition commends DEP for its diligence in implementing the ambitious citywide GI plan. However, these efforts have not yet been equally distributed throughout the city.

Coney Island Creek watershed has received no green infrastructure so far through the City's GI plan, and is only scheduled to have 7 of the 3,470 acres of impervious surface (in the drainage area) managed through green infrastructure investment by 2030.

We believe that there is opportunity in the Coney Island Creek watershed for more than 7 acres (a mere 1% of the of CSO impervious area) to be managed by green infrastructure. We recommend that DEP broaden the scope of GI in the Coney Island Creek watershed to include practices beyond bioswales, such as green roofs and permeable pavers and expand GI into upstream areas covered by the MS4.

We would also like to note that there are several well-established community stewardship groups in the area who are well-poised and interested in advocating for and supporting the implementation of local green infrastructure in public spaces near and around the Creek.

We encourage DEP to provide the community with an assessment of the potential for green infrastructure on public and private property in the entire drainage area (CSO and MS4) for the Creek, and develop a more robust green infrastructure goal for the area.

****

Thank you for the opportunity to comment on the development of the Coney Island Creek CSO Long Term Control Plan. The S. W. I. M. Coalition will continue to reach out to, and educate the public, on water quality issues in the City. We look forward to continuing our dialogue with DEP on the CSO Long Term Control Plans and the MS4 Stormwater Management Plans in the year ahead.

Sincerely,

Julie A. Welch, Coalition Coordinator
On Behalf of the S. W. I. M. Coalition Steering Committee

Sean Dixon, Riverkeeper
Michelle Luebke, Bronx River Alliance
Larry Levine, Natural Resources Defense Council
Paul Mankiewicz, The Gaia Institute
Tatiana Morin, New York City Soil & Water Institute
Jaime Stein, Pratt Institute
Shino Tanikawa, New York City Soil & Water Conservation District

CC:
Judith Enck, Regional Administrator, US EPA Region 2
Joan Leary Matthews, Director, Clean Water, US EPA Region 2
Jim Tierney, Assistant Commissioner for Water Resources,NYS DEC
Joseph DiMura, Director, Bureau of Water Compliance, NYS DEC
Gary Kline, Section Chief, Bureau of Water Compliance, NYS DEC
Angela Licata, Deputy Commissioner, NYC DEP

Appendix C: Coney Island Creek Use Attainability Analysis

EXECUTIVE SUMMARY

The New York City Department of Environmental Protection (DEP) has performed a Use Attainability Analysis (UAA) for Coney Island Creek in accordance with the 2012 Combined Sewer Overflow (CSO) Consent Order. Coney Island Creek is a tidal waterbody in the Borough of Brooklyn. It exchanges waters with Gravesend Bay and New York Bay (Figure 1). The Coney Island Creek watershed is located throughout south Brooklyn and is served by the Owls Head and Coney Island Waste Water Treatment Plants (WWTP). The waters of Coney Island Creek are saline throughout its extension and receive freshwater input from stormwater, direct drainage and CSO discharges.

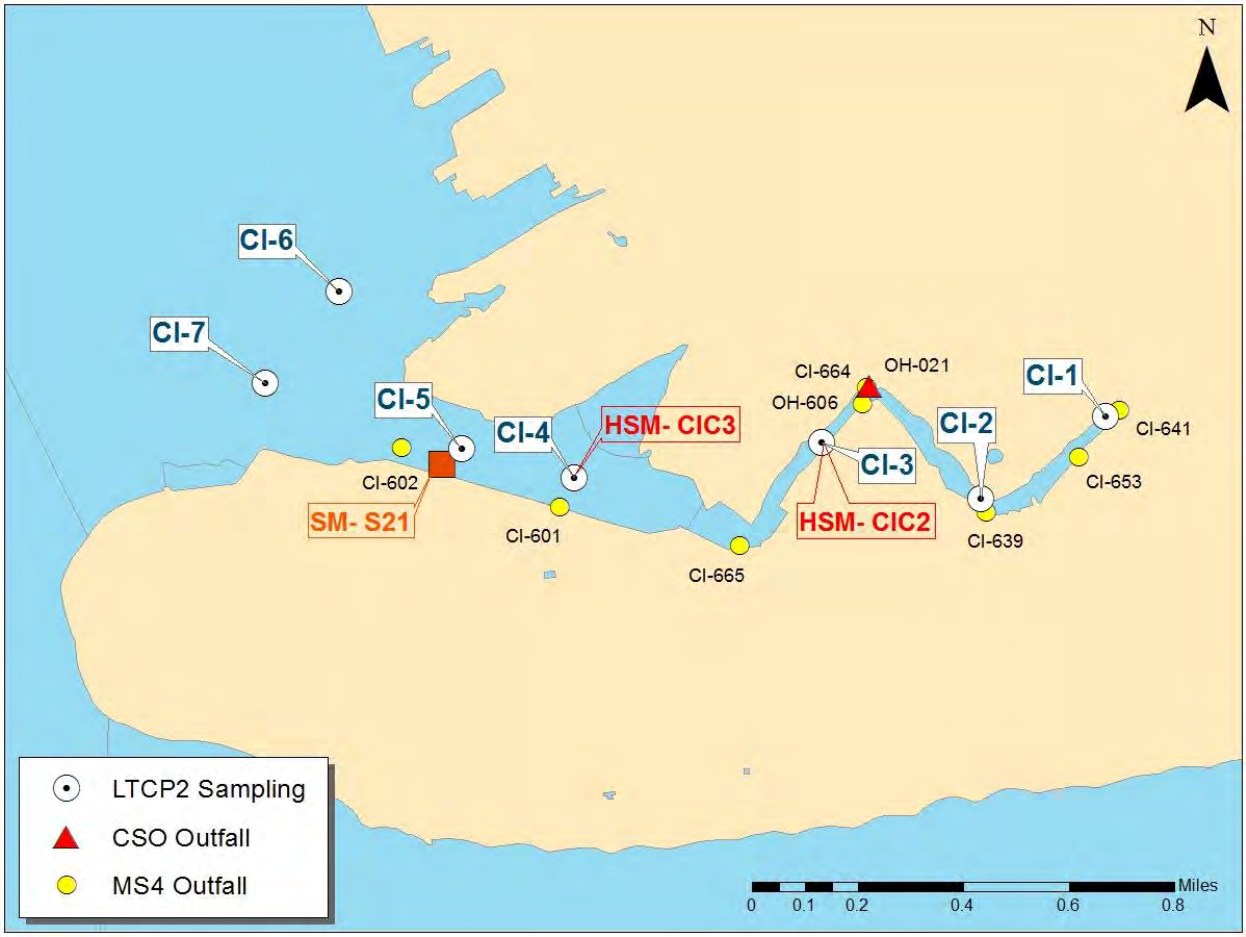

Figure 1. Overview of Water Quality Stations and Permitted Outfalls in Coney Island Creek

Detailed analyses performed during the Coney Island Creek Long Term Control Plan (LTCP) concluded that the fecal coliform water quality (WQ) criterion in this waterbody would not be attained both annually and during the recreational season (May 1st through October 31st). The analyses also revealed that Class I, and next higher classification Class SB, dissolved oxygen (DO) criteria would also not be attained with the implementation of the preferred alternative. These analyses also suggested that annual fecal coliform,

as well as Class I or SB DO criteria, will not be fully attained even with the implementation of 100% CSO control. This is not unexpected as DO in Coney Island Creek is also affected by stormwater loads, eutrophication, and poor tidal flushing.

However, the preferred alternative results are essentially meeting the recreational season (May 1st through October 31st) attainment target of 95 percent and above for the fecal coliform criteria at all stations, with exception of the upstream Station CI-1, where attainment is 93 percent. Enterococci criteria do not apply to tributaries such as Coney Island Creek under the Beaches Environmental Assessment and Coastal Health (BEACH) act of 2000. Each applicable criterion is discussed below:

Fecal Coliform

Detailed analyses performed during the Coney Island Creek LTCP under the 10 year simulation period concluded that the designated Class I water quality standards (WQS) are essentially attained (95 percent or higher) for the fecal coliform criterion during the recreational season (May 1st through October 31st). However, based on this technical assessment, it was found that, the preferred alternative would achieve 57 to 91 percent attainment on an annual basis at Stations CI-1 through CI-5, respectively. Based on the 2008 simulation, even with 100% CSO control, the annual attainment of the fecal coliform criterion would range from 58 to 83 percent at Stations CI-1 through CI-5, respectively. However, as noted before, with the LTCP preferred alternative, the fecal coliform criterion is essentially attained *during the recreational season (May 1st through October 31st).*

Dissolved Oxygen

Based on the technical assessment, the waterbody is not projected to attain the existing Class I DO criteria at least 95 percent of the time for the entire water column on an annual basis. However, only Station CI-1, at the head end of the Creek has less than 95 percent attainment, where the model projections report 90 percent attainment. The waterbody is not projected to attain the Class SB DO criteria on an annual basis also. Attainment of the Class SB DO criteria is computed to be in the range of 82 to 94 percent at the four upstream-most of the seven stations evaluated in the Creek (and more than 95 percent at the remainder stations). For both Class I and Class SB DO WQS, 100 percent CSO control would not realize full attainment of the corresponding criteria.

Coney Island is a valuable resource to the adjacent communities, as well as to all New York City (NYC) residents due to the unique character and opportunities offered at the surrounding neighborhood. However, most of the aquatic recreational opportunities are associated with the ocean beachfront and not the Creek. There are no sanctioned primary or secondary contact uses along the Creek, nor is there infrastructure or equipment supporting them.

Coney Island Creek provides recreational opportunities for landside recreation such as wildlife observation, fishing, jogging and biking (Figure 2). Besides its support to waterfront on-shore activities, it provides ecological habitat for fish and wildlife species. Some wetland habitat is located at the southern shore of the mouth of the Creek, along the tip of the Coney Island Peninsula, where WQS attainment is projected to be protective of the ecological environment.



.**Figure 2. Coney Island Creek Waterfront Public Areas**

Limited areas of the outer portions of the Creek near Six Diamonds Park (near Coney Island Boat Basin) and Coney Island Creek Park, do provide opportunities for the public to come into contact with the water. Uses such as kayaking, jet skiing, and wading have been observed to occur at these locations.

Based on the detailed analyses provided above, projected fecal coliform and DO levels do not meet the existing standards under the designated classification. Non-attainment appears to be related to non-CSO sources in Coney Island Creek. However, it is recommended that after other non-CSO focused programs conclude their evaluations, the attainment of the designated Class I WQS be reassessed and the best use of the Creek be revised accordingly. DEP will continue to issue wet-weather advisories informed by the time to recovery analyses presented in the Coney Island Creek LTCP. However, it should be noted that although the water quality might be largely protective of primary contact during the recreational season (May 1st through October 31st), other factors, such as adjacent land use and safety, must be taken into account, inasmuch as there are no Department of Health and Mental Hygiene (DOHMH) certified bathing beaches anywhere within the waterbody nor sanctioned boat launching infrastructure or equipment along the Creek.

INTRODUCTION

Regulatory Considerations

The New York State Department of Environmental Conservation (DEC) has designated Coney Island Creek as a Class I waterbody. The best usages of Class I waters are *"secondary contact recreation and fishing. These waters shall be suitable for secondary contact and fishing"* (6 NYCRR 701.11). In November 2015, DEC amended the State WQS to require Class I waterbodies to be suitable for primary contact although other factors may preclude such use.

Federal policy recognizes that the uses designated for a waterbody may not be attainable, and the UAA has been established as the mechanism to modify the WQS in such a case. Here, Coney Island Creek does not meet the existing designated use classification for bacteria and DO, but would essentially attain the bacteria primary contact WQ criteria at all stations during the recreational season (May1st through October 31st), except at the very head end of the waterbody where attainment is projected to be 93 percent. Furthermore, even the complete elimination of CSO discharges will not result in attainment of the designated WQS.

This UAA identifies the attainable and existing uses of Coney Island Creek and compares them to those designated by DEC in order to provide data to establish appropriate WQ goals for this waterway. An examination of several factors related to the physical condition of the waterbody and the actual and possible uses suggests that attainment of bacteria or DO criteria associated with existing Class I standards is not projected to occur. Furthermore, it is projected that the waterbody would not fully attain recreational season Primary Contact Bacteria WQ Criteria, and even 100 percent CSO reduction would not bring the waterbody into compliance. Under Federal regulations (40 CFR 131.10), six factors may be considered in conducting a UAA:

1. Naturally occurring pollutant concentrations prevent the attainment of the use; or
2. Natural, ephemeral, intermittent or low flow conditions or water levels prevent the attainment of the use, unless these conditions may be compensated for by the discharge of sufficient volume of effluent discharges without violating State water conservation requirements to enable uses to be met; or
3. Human caused conditions or sources of pollution prevent the attainment of the use and cannot be remedied or would cause more environmental damage to correct than to leave in place; or
4. Dams, diversions or other types of hydrologic modifications preclude the attainment of the use, and it is not feasible to restore the waterbody to its original conditions or to operate such modification in a way that would result in the attainment of the use; or
5. Physical conditions related to the natural features of the waterbody, such as the lack of proper substrate, cover, flow, depth, pools, riffles, and the like, unrelated to water quality, preclude attainment of aquatic life protection uses; or
6. Controls more stringent than those required by Sections 301(b) and 306 of the Clean Water Act (CWA) would result in substantial and widespread economic and social impact.

Identification of Existing Uses

The waterfront area surrounding Coney Island Creek is predominantly altered on the eastern and western banks. Some open space exists along the shoreline towards the mouth of the Creek. There are no sanctioned access points to the inner portions of the Creek for aquatic recreation purposes along its extension. Open outdoor spaces that support on-shore recreation are distributed along both banks towards the mouth of the Creek.

Coney Island Creek is not suitable for bathing; as such, no DOHMH certified bathing beaches exist anywhere within the waterbody. Because open space partially surrounds the waterbody towards the mouth, opportunities exist for fishing and canoeing/kayaking. However, due to limited access, altered shorelines (bulkheads and rip-rap) and industrial uses, the bulk of the waterbody extension is not conducive to primary contact recreation although secondary contact recreation opportunities exist toward the mouth of the Creek. Figures 3a and 3b show examples of the Coney Island Creek shoreline.



Figure 3a. Coney Island Creek Shoreline (Southern Shoreline Looking East)



Figure 3b. Coney Island Creek Park (Looking North West from the Park)

ATTAINMENT OF DESIGNATED USES

Coney Island Creek is a Class I waterbody, suitable for secondary contact recreation near the mouth and aquatic life propagation and survival throughout most of its extension. As noted previously, Coney Island Creek is not used frequently for secondary contact recreation, and primary contact is not a permitted use. As part of this LTCP, an analysis was performed to assess the level of attainment of the primary contact fecal coliform criterion ammended to Class I waters of the State by DEC in November 2015.

Water quality modeling and observed data indicate that the primary contact bacteria criterion is not being achieved annually but is essentially attained for the recreational season (May 1st through October 31st). The non-attainment is due to stormwater, direct drainage and CSO discharges accruing to poor tidal flushing conditions. However, analyses indicate that the waterbody under the preferred alternative would essentially attain the primary contact fecal coliform (monthly mean) numeric criterion during the recreational season (May 1st through October 31st) except at upstream Station CI-1, where attainment is 93 percent. The water quality stations are shown in Figure 1.

It should be noted that these modeling analyses were conducted using the assumption that ongoing microbial analyses will show that the existing high levels of fecal coliform in the Creek are not enteric related and will be resolved through changes to microbial laboratory analyses. Should this not be the case, these modeling analyses will need to be revised.

An analysis was also conducted during the development of the LTCP water quality model to predict the recovery time in Coney Island Creek following a rain event. As primary contact uses could be essentially

attained in Coney Island Creek during the recreational season (May 1st through October 31st) a high percent of the time, DEP used the primary contact fecal coliform recreation warning level of 1,000 cfu/100mL from the Department of Health (DOH) guidelines in this analysis. The result of the analysis is summarized in Sections 6 and 8 of the Coney Island Creek LTCP report. As noted, the duration within which fecal coliform bacteria concentrations are expected to be higher than DOH considers safe for primary contact varies along the Creek, ranging from 24 hours at the upper head end (Station CI-1), to never reaching the numerical threshold at the mouth of the Creek. Generally, a conservative value of around 24 hours appears to be reasonable for Coney Island Creek.

DEP has been using model projections in various waterbodies and near beaches to assist with advisories that are typically issued twice a day. The recovery time is essentially the timeline throughout which the waterbody will not support primary contact and is intended to advise the water users of the potential health risks associated with this use during this time period.

CONCLUSIONS

Coney Island Creek does not attain the existing Class I WQS for bacteria and DO. The Creek cannot fully achieve the Primary Contact Bacteria WQ Criteria based on fecal coliform on an annual basis. However, the analyses show that Primary Contact Bacteria WQ Criteria is projected to essentially be attained throughout the recreational season (May 1st through October 31st) a high percentage of the time, although bacteria levels will be elevated during and after rain events. There are no permitted swimming locations or sanctioned infrastructure or equipment supporting secondary contact recreation along Coney Island Creek; thus, the non-attainment of swimmable standards during and after rainfall or during the non-recreational season (November 1st through April 30th) would not impact such uses. Non-attainment of the fecal coliform primary contact criterion is attributable to the following UAA factors:

Fecal Coliform:

- Human caused conditions (direct drainage and urban runoff) create high bacteria levels that prevent the attainment of the use and that cannot be fully remedied for large storms (UAA factor #3).

Dissolved Oxygen

- Human caused conditions (wastewater treatment plant nitrogen discharges to the Lower East River and Hudson River) create a level of eutrophication in the Lower Bay that prevents the attainment of the use and that cannot be fully remedied (UAA factor #3).

- Physical conditions related to the natural features of the waterbody, such as the lack of proper substrate, cover, flow, depth, riffles, and the like, unrelated to water quality, preclude attainment of aquatic life protection uses (UAA factor #5).

It should be emphasized that the Coney Island Creek watershed, although surrounded by commercial and industrial uses in most areas, does provide informal shoreline access points for on-shore recreation, which attract the public to take advantage of the recreational uses of the waterway. These uses should be protected in recreational periods, with the exception of during rain events when advisories will be in place.

RECOMMENDATIONS

Coney Island Creek does not attain the current bacteria Class I criterion for fecal coliform on an annual basis but attains largely on a seasonal basis. However, as noted above, there is no formal infrastructure or equipment supporting access to the Creek for aquatic recreation purposes and the current uses are primarily associated with on-shore activities throughout its extension, as well as boating/kayaking/wading near the mouth. The general public indicated that Coney Island Creek should be made safe for fishing and swimming in the future. This awareness was demonstrated in the attendance and input received through the public participation process, where the desire for continued improvement in water quality was conveyed and brought into the LTCP framework. Because the LTCP assessments demonstrated that CSOs are not the primary source responsible for non-attainment, and that complete elimination of CSO discharges would not bring the waterbody into compliance with WQS, DEP, through the LTCP process, recommends that no further CSO reduction projects be included in the LTCP preferred alternative, beyond the continuous efficient operation of the upgraded Avenue V pump station, as well as other sewer improvements being proposed and built under the scope of other non-CSO related programs. To protect designated uses, DEP would implement wet-weather advisories during the recreational season (May 1st through October 31st) while advancing the waterbody towards the numerical limits established. With anticipated reductions in stormwater loadings resulting from sewer improvements and other source control projects, Coney Island Creek could be protective of limited primary contact should it occur, as long as it did not occur during or following rainfall events. DO WQS are not met for the designated Class I standard. However, only the head end of the Creek does not provide at least 95 percent attainment of the Class I DO criterion. The LTCP analyses demonstrated that 100 percent CSO control would not bring DO levels into compliance with the criterion at this location. Consistent with the causes for non-attainment of other WQS, the projected DO levels appear to be associated with non-CSO related sources in Coney Island Creek.

Gaffney, Kelly

From: Gardner, Jacob
Sent: Wednesday, August 11, 2021 7:53 AM
To: Gaffney, Kelly
Subject: Coney Island Creek area calculation

The area of Coney Island Creek is 84.863 acres.

Jacob Gardner
Weston Solutions, Inc.
205 Campus Drive
Edison, NJ 08837
Office: 732-417-5872

EXECUTIVE NARRATIVE

Case No.: 49391
Site: Coney Island Creek
Number of Samples: 16 (Sediment)
Analysis: VOA, SVOA, PEST and ARO

SDG No.: BG4Z8
Laboratory: Chemtech Consulting Group
Sampling dates: 04/15/2021-04/19/2021
Validation SOP: HW-33A (Rev 1), HW-35A (Rev 1), HW-36A (Rev 1) HW-37A (Rev 0)

QAPP:
Contractor: Weston Solutions, Inc
Reference: DCN: SAT-V.6102.0022, April 1, 2021

SUMMARY OF DEFINITIONS:
Critical: Results have an unacceptable level of uncertainty and should not be used for making decisions. Data have been qualified "R" rejected.
Major: A level of uncertainty exists that may not meet the data quality objectives for the project. A bias is likely to be present in the results. Data has been qualified "J" estimated. "J+" and "J-" represent likely direction of the bias.
Minor: The level of uncertainty is acceptable. No significant bias in the data was observed.

Critical Findings:
None

Major Findings:
The following samples have analytes that have been qualified "J", "J+" or "J-".
VOA: All samples
SVOA: All samples except for samples BG567, BG569, BG571
PEST: BG4Z8, BG562, BG563, BG565, BG567, BG568, BG569, BG570, BG571, BG572
ARO: BG563, BG568, BG570

Minor Findings:
One or more analytes in one or more samples are qualified "J" due to results between MDL and CRQL.

COMMENTS:	Per request in ARF, summary reports were created using RSL-Industrial soil. **SVOA:** One or more non-detected analyte results exceeded the project action levels in one or more samples.

Reviewer Name(s): Israel Okwuonu

Approver's Signature:

Date: 06/14/2021

Name: Russell Arnone

Affiliation: USEPA/R2/HWSB/HWSS

Data Qualifier Definitions (National Functional Guidelines)			
Qualifier Symbol	**Explanation**		
	INORGANICS	**ORGANICS**	**CHLORINATED DIOXIN/FURAN**
U	The analyte was analyzed for, but was not detected above the level of the reported quantitation limit.	The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted Contract Required Quantitation Limit (CRQL) for sample and method	The analyte was analyzed for but not detected. The value preceding the "U" may represent the adjusted Contract Required Quantitation Limit (see DLM02.X, Exhibit D, Section 1.2 and Table 2), or the sample specific estimated detection limit (EDL, see Method 8290A, Section 11.9.5).
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to an issue with the quality of the data generated because certain QC criteria were not met, or the concentration of the analyte was below the adjusted CRQL).
J+	The result is an estimated quantity, but the result may be biased high.	The result is an estimated quantity, but the result may be biased high.	
J–	The result is an estimated quantity, but the result may be biased low.	The result is an estimated quantity, but the result may be biased low.	
UJ	The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.	The analyte was not detected at a level greater than or equal to the adjusted CRQL. However, the reported adjusted CRQL is approximate and may be inaccurate or imprecise.	The analyte was not detected (see definition of "U" flag, above). The reported value should be considered approximate.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
N		The analysis indicates the presence of an analyte for which there is presumptive evidence to make a “tentative identification”.	
NJ		The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	
C		This qualifier applies to pesticide and Aroclor results when the identification has been confirmed by Gas Chromatograph/Mass Spectrometer (GC/MS).	
X		This qualifier applies to pesticide and Aroclor results when GC/MS analysis was attempted but was unsuccessful.	

DATA ASSESSMENT

ANALYSIS: VOA

The current SOP HW-33A (Rev 1) September 2016, USEPA Region II for the evaluation of Volatile organic data, and all related Change Request Forms (CRF) for this SOP, generated through Statement of Work SFAM01.1, and any future editorial revisions of SFAM01.1 has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report. Tentatively Identified Compounds (TICs) for VOA organic fraction is not validated.

1. HOLDING TIME AND PRESERVATION:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". The non-detects (sample quantitation limits) will be flagged as estimated, "J", or unusable, "R", if the holding times are grossly exceeded. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. DEUTERATED MONITORING COMPOUNDS (DMC's):

All samples are spiked with DMC compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured DMC recovery limits were outside Table 6 of the SOP HW-33A (Rev 1) qualifications were applied as per Table 7 SOP HW-33A (Rev 1) to all the samples and analytes as shown below.

The following samples have DMC percent recoveries less than the primary minimum criteria but greater than or equal to the expanded minimum criteria. Detects are qualified as estimated J-. Non-detects are qualified as estimated UJ.

1,1-Dichloroethene-d2 BG558, BG559RE, BG559, BG560, BG561, BG562, BG563, BG564RE, BG565, BG566, BG567, BG568, BG568RE, BG569, BG570RE, BG570, BG571, BG571RE, BG572
trans-1,2-Dichloroethene, cis-1,2-Dichloroethene, 1,1-Dichloroethene

1,2-Dichloroethane-d4 BG559, BG561, BG566, BG568RE, BG571RE, BG572
Trichlorofluoromethane, 1,1,2-Trichloro-1,2,2-Trifluoroethane, Methyl acetate, Methylene chloride, Methyl-tert-butyl ether, 1,1,1-Trichloroethane, Carbon tetrachloride, 1,2-Dichloroethane, 1,2-Dibromoethane

1,2-Dichloropropane-d6 BG558, BG559
Cyclohexane, Methylcyclohexane, 1,2-Dichloropropane, Bromodichloromethane
1,2,3-Trichloropropane

1,2-Dichlorobenzene-d4 BG4Z8, BG558, BG559, BG561, BG568, BG571RE
Chlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1, 2-Dichlorobenzene, 1, 2, 4-Trichlorobenzene, 1,2,3-Trichlorobenzene

The following samples have DMC percent recoveries greater than the primary maximum criteria Detects are qualified as estimated J+. Non-detects are not qualified.

2-Butanone-d5 BG564, BG570
Acetone, 2-Butanone

2-Hexanone-d5 BG564, BG568, BG570, BG571
4-Methyl-2-pentanone, 2-Hexanone

1,1,2,2-Tetrachloroethane-d2 BG568, BG570
1,1,2,2-Tetrachloroethane, 1,2-Dibromo-3-chloropropane

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD):

MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

Not applicable.

4. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, trip, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the amount of contamination present in the QA blanks, the analytes are qualified as per Table 5 of SOP HW-33A (Rev 1).

A) Method blank contamination:

No additional qualification is required due to method blank contamination**.**

B) Field or rinse blank contamination:

No field blank associated with this SDG is identified.

C) Trip blank contamination: BG542

No qualification is required due to trip blank contamination**.**

D) Storage Blank associated with VOA samples only:

The following samples have analyte results reported less than CRQLs. The associated storage blank results are less than CRQLs. Detects are qualified U. Sample results have been reported at CRQLs.

Toluene BG4Z8, BG4Z8RE, BG562, BG564, BG564RE, BG565, BG567, BG568, BG568RE, BG569, BG5670, BG570RE, BG571, BG571RE

E) Tentatively Identified Compounds:

Tentatively Identified Compounds (TICs) for VOA organic fractions are not validated.

5. MASS SPECTROMETER TUNING:

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for volatile organics is (BFB) Bromofluorobenzene. If the mass calibration is in error, all associated data will be classified as unusable "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:

The response factor measures the instrument's response to specific chemical compounds. All analytes for initial calibration, ICV and continuing calibration should meet the minimum RRF criteria as listed in Table 2 of SOP HW-33A (Rev 1). If RRF is less than minimum RRF specified in Table 2 for all target analytes, use professional judgment and all detects in the sample will be qualified as "J+" or "R". All non-detects for that compound will be rejected "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration.

Percent RSD must be less than maximum %RSD in Table 2 of SOP HW-33A (Rev 1) for all target analytes. For the Initial Calibration Verification ICV/opening or closing CCV %D must be within the inclusive opening or closing maximum %D limits as listed in Table 2 of SOP HW-33A (Rev 1) for all Target compounds. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and Non-detects are flagged "UJ" for %D values outside criteria only. If %RSD exceeds QC criteria, detects may be qualified as "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

The following analytes in the sample shown were qualified for %RSD and %D:

The following samples are associated with an opening or closing CCV with % Difference exceeding criteria. Detects are qualified as estimated J. Non-detects are qualified as estimated UJ.

Chloromethane BG560, BG561, BG563, BG564RE, BG565, BG566, BG567, BG568RE, BG570RE, BG571RE, BG572

7. INTERNAL STANDARDS PERFORMANCE GC/MS:

Internal standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must be in the range as specified in Table 9 of SOP HW-33A (Rev 1) of the associated continuing calibration internal standard area. The retention time of the internal standards must be within the range as specified in Table 9 of SOP HW-33A (Rev 1). If the area count is greater than, all positive results quantitated using that IS are qualified as estimated "J-", and non-detects are not qualified. If the area count is less than the associated standard, all positive results for compounds quantitated with that IS are qualified as estimated "J+" and all non-detects are qualified "R".

If an internal standard retention time were not met as specified in Table 9 of SOP HW-33A (Rev 1), the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample fraction. Qualifications were applied to the samples and analytes as shown below.

The following samples have internal standard area response less than expanded minimum criteria. Detects are qualified as estimated J+. Non-detects are qualified as unusable R.

1,4-Difluorobenzene BG564
Dichlorodifluoromethane, Chloromethane, Vinyl Chloride, Bromomethane, Chloroethane, Trichlorofluoromethane, 1,1-Dichloroethene, 1,1,2-Trichloro-1,2,2-trifluoroethane, Acetone, Carbon disulfide, Methyl acetate, Bromochloromethane, Methylene chloride, trans-1,2-Dichloroethene, Methyl tert-butyl ether, 1,1-Dichloroethane, cis-1,2-Dichloroethene, 2-Butanone, Chloroform, 1,2-Dichloroethane

Chlorobenzene-d5 BG564
1,1,1-Trichloroethane, Cyclohexane, Carbon tetrachloride, Benzene, Trichloroethene, Methylcyclohexane, 1,2-Dichloropropane, Bromodichloromethane, cis-1,3-Dichloropropene, 4-methyl-2-pentanone, Toluene, trans-1,3-Dichloropropene, 1,1,2-Trichloroethane, Tetrachloroethene, 2-Hexanone, Dibromochloromethane, 1,2-Dibromomethane, Chlorobenzene, Ethylbenzene, m,p-Xylene, o-Xylene, Styrene, Isopropylbenzene, 1,1,2,2-Tetrachloroethane

1,4-Dichlorobenzene-d4 BG564
Bromoform, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2-Dichlorobenzene, 1,2-Dibromo-3-chloropropane, 1,2,4-Trichlorobenzene, 1,2,3-Trichlorobenzene, 2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, Isopropylbenzene

The following samples have internal standard area response greater than or equal to expanded minimum criteria and less than primary minimum criteria. Detects are qualified as estimated J+. Non-detects are qualified as estimated UJ.

1,4-Difluorobenzene BG559RE

Dichlorodifluoromethane, Chloromethane, Vinyl Chloride, Bromomethane, Chloroethane, Trichlorofluoromethane, 1,1-Dichloroethene, 1,1,2-Trichloro-1,2,2-trifluoroethane, Acetone, Carbon disulfide, Methyl acetate, Bromochloromethane, Methylene chloride, trans-1,2-Dichloroethene, Methyl tert-butyl ether, 1,1-Dichloroethane, cis-1,2-Dichloroethene, 2-Butanone, Chloroform, 1,2-Dichloroethane

Chlorobenzene-d5 BG559RE, BG570, BG571
1,1,1-Trichloroethane, Cyclohexane, Carbon tetrachloride, Benzene, Trichloroethene, Methylcyclohexane, 1,2-Dichloropropane, Bromodichloromethane, cis-1,3-Dichloropropene, 4-methyl-2-pentanone, Toluene, trans-1,3-Dichloropropene, 1,1,2-Trichloroethane, Tetrachloroethene, 2-Hexanone, Dibromochloromethane, 1,2-Dibromomethane, Chlorobenzene, Ethylbenzene, m,p-Xylene, o-Xylene, Styrene, Isopropylbenzene, 1,1,2,2-Tetrachloroethane

1,4-Dichlorobenzene-d4 BG4Z8, BG4Z8RE, BG559RE, BG564RE, BG568RE, BG568, BG570RE, BG570, BG571RE, BG571
Bromoform, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2-Dichlorobenzene, 1,2-Dibrmo-3-chloropropane, 1,2,4-Trichlorobenzene, 1,2,3-Trichlorobenzene, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, Isopropylbenzene

8. FIELD DUPLICATES:

No field duplicate sample was identified in this SDG.

9. COMPOUND IDENTIFICATION:

Target compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within a window of 0.06 RRT units of the standard compound and have ion spectra which has a ratio of the primary and secondary m/z intensities within 20% of that in the standard compound. For the tentatively identified compounds (TIC) the ion spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

10. CONTRACT PROBLEMS NON-COMPLIANCE:

None

11. FIELD DOCUMENTATION:

No problems were identified.

12. OTHER PROBLEMS:

None

13. DILUTIONS, RE-EXTRACTIONS & REANALYSIS:

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are used. See summary report and EDD for applicable samples and analytes.

The following initial and ME analysis samples were not used.
BG4Z8, BG564, BG568, BG570, BG571, BG4Z8ME, BG564ME, BG568ME, BG570ME, BG571ME

ANALYSIS: SVOA

The current SOP HW-35A (Rev 1) September 2016, USEPA Region II for the evaluation of Semi-Volatile organic data, and all related Change Request Forms (CRF) for this SOP, generated through Statement of Work SFAM01.1, and any future editorial revisions of SFAM01.1 has been applied. Data has been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report. Tentatively Identified Compounds (TICs) for BNA organic fraction is not validated.

1. HOLDING TIME AND PRESERVATION:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded, qualifications will be applied as per SOP HW-35A (Rev 1).

No problems were found for this criterion.

2. DEUTERATED MONITORING COMPOUNDS (DMCs):

All samples are spiked with DMC compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured DMC recovery limits were outside Table 6 of SOP HW-35A (Rev 1), qualifications were applied as per Table 7 of SOP HW-35A (Rev 1) to all the samples and analytes as shown below.

The following undiluted sample analyses have DMC percent recoveries less than the primary minimum criteria but greater than or equal to the expanded minimum criteria. Detects are qualified as estimated J-. Non-detects are qualified as estimated UJ.

4-Nitrophenol-d4 BG4Z8, BG561, BG564
2-Nitroaniline, 3-Nitroaniline, 2,4-Dinitrophenol, 4-Nitrophenol, 4-Nitroaniline.

4,6-Dinitro-2-methylphenol-d2 BG4Z8, BG561, BG562, BG564, BG566
4,6-Dinitro-2-methylphenol

1,4-Dioxane-d8 BG4Z8, BG558, BG559, BG560, BG561, BG562, BG563, BG564, BG565, BG566, BG568, BG570, BG572
1,4-Dioxane

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATES (MS/MSD):

MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with

other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

Not applicable.

4. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, trip, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the amount of contamination present in the QA blanks, the analytes are qualified as per Table 5 of SOP HW-35A (Rev 1).

A) Method blank contamination:

No problems were found for this criterion.

B) Field or rinse blank contamination:

No field blank associated with this SDG is identified.

C) Tentatively Identified Compounds:

Tentatively Identified Compounds (TICs) for BNA organic fraction are not validated.

5. MASS SPECTROMETER TUNING:

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for Semi-volatiles is Decafluorotriphenyl-phosphine (DFTPP). If the mass calibration is in error, all associated data will be classified as unusable "R".

No problems were found for this criterion.

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:

The response factor measures the instrument's response to specific chemical compounds. All analytes for initial calibration, ICV and continuing calibration should meet the minimum RRF criteria as listed in Table 2 of SOP HW-35A (Rev 1). If RRF is less than minimum RRF as specified in Table 2 for all target analytes, use professional judgment

and all detects in the sample will be qualified as "J+" or "R". All non-detects for that compound will be rejected "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):
Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration. Percent D is a measure of the instrument's daily performance.

Percent RSD must be less than maximum %RSD in Table 2 of SOP HW-35A (Rev 1) for all target analytes. For the ICV/opening or closing CCV %D must be within the inclusive opening or closing maximum %D limits as listed in Table 2 of SOP HW-35A (Rev 1) for all Target compounds. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and Non-detects are flagged "UJ" for %D values outside criteria only. If %RSD exceeds QC criteria, detects may be qualified as "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

The following analytes in the sample shown were qualified for %RSD and %D:

No problems were found for this criterion.

7. INTERNAL STANDARDS PERFORMANCE GC/MS:

Internal standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must be in the range as specified in Table 10 of SOP HW-35A (Rev 1) of the associated continuing calibration internal standard area. The retention time of the internal standards must be within the range as specified in Table 10 of SOP HW-35A (Rev 1). If the area count is greater than, all positive results quantitated using that IS are qualified as estimated "J-", and non-detects are not qualified. If the area count is less than the associated standard, all positive results for compounds quantitated with that IS are qualified as estimated "J+" and all non-detects are qualified "R".

If an internal standard retention time were not met as specified in Table 10 of SOP HW-35A (Rev 1), the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample fraction. Qualifications were applied to the samples and analytes as shown below. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

8. FIELD DUPLICATES:

No field duplicate sample was identified in this SDG.

9. COMPOUND IDENTIFICATION:

TCL compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within 0.06 RRT units of the standard compound and have ion spectra which have a ratio of the primary and secondary m/e intensities within 20% of that in the standard compound. For the tentatively identified compounds (TIC) the ion spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

10. CONTRACT PROBLEMS NON-COMPLIANCE:

None

11. FIELD DOCUMENTATION:

No problems were identified.

12. OTHER PROBLEMS:

None

13. DILUTIONS, RE-EXTRACTIONS and REANALYSIS:

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are used. See summary report and EDD for applicable samples and analytes.

ANALYSIS: PEST

The current SOP HW-36A (Rev 1) October 2016, USEPA Region II for the evaluation of Pesticides data, and all related Change Request Forms (CRF) for this SOP, generated through Statement of Work SFAM01.1, and any future editorial revisions of SFAM01.1 has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report.

1. HOLDING TIME AND PRESERVATION:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". Use professional judgment to qualify the non-detects (sample quantitation limits), if the holding times are grossly exceeded. If the holding times are grossly exceeded. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. SURROGATES:

All samples are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured surrogate recovery were outside Table 7 of the SOP HW-36A (Rev 1), qualifications were applied to the samples and analytes as shown below.
The following sample has surrogate percent recoveries less than the primary minimum criteria but greater than or equal to the expanded minimum criteria. Detects are qualified as estimated J- Non-detects are qualified as estimated UJ.

Decachlorobiphenyl BG559
alpha-BHC, beta-BHC, gamma-BHC (Lindane), delta-BHC, Heptachlor, Aldrin, cis-Chlordane, trans-Chlordane, Heptachlor epoxide, Dieldrin, Endrin, Endrin Aldehyde, Endrin Ketone, 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, Endosulfane I, EndosulfaneII, Endosulfan Sulfate, Methoxychlor, Toxaphene

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD):

MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

. No problems were found for this criterion.

4. LABORATORY CONTROL RECOVERY (LCS):

LCS data is generated to determine the long-term precision and accuracy of the analytical method. The LCS may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

5. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the concentration of the analyte in the blank, the analytes are qualified as non-detects, "U". Qualifications were applied to the samples and analytes as shown below.

A) Method/Instrument blank contamination:

No problems were found for this criterion.

B) Field or rinse blank contamination:

No field blank associated with this SDG is identified.

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):
If %RSD exceeds 20% for all analytes except alpha-BHC and delta-BHC 25%, for the two surrogates and Toxaphene 30%, qualify all associated positive results "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) The Percent Difference (%D) for each of the SCP in the PEM used for CCV must be within ±25.0%. The Percent Difference (%D) for target analyte in the Calibration Verification Standard (CS3) used for CCV must be within ±25.0%. If the %D is not within limits, associated detected compounds are qualified "J" and associated non-detected compounds are qualified "UJ". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

7. FIELD DUPLICATES:

No field duplicate sample was identified in this SDG.

8. COMPOUND IDENTIFICATION:

The retention times of reported compounds must fall within the calculated retention time windows for the two chromatographic columns and a GC/MS confirmation is required if the concentration exceeds 10ng/ml in the final sample extract. Qualifications were applied to the samples and analytes as shown below.

Percent Differences	**Qualifier**
0% - 25%	No qualification
26% - 200%	J
>200% (interference detected)	NJ
>200% (interference not detected)	NJ

The following samples were qualified for % difference on the two columns.

BG4Z8, BG562, BG563, BG565, BG567, BG568, BG569, BG570, BG571, BG572

9. CONTRACT PROBLEMS NON-COMPLIANCE:

None

10. FIELD DOCUMENTATION:

No problems were identified.

11. OTHER PROBLEMS:

None

12. DILUTIONS, RE-EXTRACTIONS & REANALYSIS:

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are used. See summary report and EDD for applicable samples and analytes.

ANALYSIS: ARO

The current SOP HW-37A (Rev 0) June 2015, USEPA Region II for the evaluation of ARO data, and all related Change Request Forms (CRF) for this SOP, generated through Statement of Work SFAM01.1, and any future editorial revisions of SFAM01.1 has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report.

1. HOLDING TIME AND PRESERVATION:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". Use professional judgment to qualify the non-detects (sample quantitation limits), if the holding times are grossly exceeded. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. SURROGATES:

All samples are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured surrogate recovery were outside Table 5 of the SOP HW-37A (Rev 0), qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD):

MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

4. Laboratory Control Samples (LCS):

LCS data provides information on the accuracy of the analytical method and laboratory performance. If LCS recoveries fell outside of the acceptable limits, qualifications were applied to the associated samples and compounds as shown below.

No problems were found for this criterion.

5. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the concentration of the analyte in the blank, the analytes are qualified as non-detects U. Qualifications were applied to the samples and analytes as shown below.

A) Method/Instrument blank contamination:

No problems were found for this criterion.

B) Field or rinse blank contamination:

No problems were found for this criterion.

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Percent Relative Standard Deviation (%RSD):

If %RSD exceeds 20% for all analytes and the two surrogates, qualify all associated positive results "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) Percent Difference (%D):

For opening CCV, or closing CCV that is used as an opening CCV for the next 12-hour period, if %D exceeds 25% for analytes and 30% for the two surrogates, qualify all associated positive results "J" and non-detects "UJ".

For closing CCV, if %D exceeds 50% for all analytes and the two surrogates, qualify all associated positive results "J" and non-detects "UJ". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

7. FIELD DUPLICATES:

No field duplicate sample was identified in this SDG.

8. COMPOUND IDENTIFICATION:

The retention times of reported compounds must fall within the calculated retention time windows for the two chromatographic columns and a GC/MS confirmation is required if the concentration exceeds 10ng/ml in the final sample extract. Qualifications were applied to the samples and analytes as shown below.

Percent Differences	**Qualifier**
0% - 25%	No qualification
26% - 200%	J
>200% (interference detected)	NJ
>200% (interference not detected)	NJ

The following samples were qualified for % difference on the two columns.

BG563, BG568, BG570

9. CONTRACT PROBLEMS NON-COMPLIANCE:

None

10. FIELD DOCUMENTATION:

No problems were identified.

11. OTHER PROBLEMS:

None

12. DILUTIONS, RE-EXTRACTIONS & RE-ANALYSIS:

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are used. See summary report and EDD for applicable samples and analytes.

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Sample Number: ABLK916	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1221	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1232	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1242	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1248	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1254	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1260	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1262	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1268	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Sample Number: ALCS916	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Spike	38		ug/kg	38		1.0	YES	S3VEM
Aroclor-1221	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1232	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1242	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1248	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1254	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1260	Spike	41		ug/kg	41		1.0	YES	S3VEM
Aroclor-1262	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1268	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED21A

Sample Number: BG4Z8	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: SED21/SW21	pH:	Sample Date: 04/15/2021	Sample Time: 11:20:00
% Moisture:		% Solids: 43.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	76	U	ug/kg	76	U	1.0	YES	S3VEM
Aroclor-1221	Target	76	U	ug/kg	76	U	1.0	YES	S3VEM
Aroclor-1232	Target	76	U	ug/kg	76	U	1.0	YES	S3VEM
Aroclor-1242	Target	76	U	ug/kg	76	U	1.0	YES	S3VEM
Aroclor-1248	Target	27	J	ug/kg	27	J	1.0	YES	S3VEM
Aroclor-1254	Target	34	J	ug/kg	34	J	1.0	YES	S3VEM
Aroclor-1260	Target	76	U	ug/kg	76	U	1.0	YES	S3VEM
Aroclor-1262	Target	76	U	ug/kg	76	U	1.0	YES	S3VEM
Aroclor-1268	Target	76	U	ug/kg	76	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED21A

Sample Number: BG4Z8	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: SED21/SW21	pH:	Sample Date: 04/15/2021	Sample Time: 11:20:00
% Moisture:		% Solids: 43.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	3.9	U	ug/kg	3.9	U	1.0	YES	S3VEM
beta-BHC	Target	3.9	U	ug/kg	3.9	U	1.0	YES	S3VEM
delta-BHC	Target	0.49	J	ug/kg	0.49	J	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	1.4	J	ug/kg	1.4	JP	1.0	YES	S3VEM
Heptachlor	Target	3.9	U	ug/kg	3.9	U	1.0	YES	S3VEM
Aldrin	Target	3.9	U	ug/kg	3.9	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	3.9	U	ug/kg	3.9	U	1.0	YES	S3VEM
Endosulfan I	Target	3.9	U	ug/kg	3.9	U	1.0	YES	S3VEM
Dieldrin	Target	0.70	NJ	ug/kg	0.70	JP	1.0	YES	S3VEM
4,4'-DDE	Target	1.5	J	ug/kg	1.5	JP	1.0	YES	S3VEM
Endrin	Target	0.62	J	ug/kg	0.62	JP	1.0	YES	S3VEM
Endosulfan II	Target	3.0	J	ug/kg	3.0	JP	1.0	YES	S3VEM
4,4'-DDD	Target	4.9	J	ug/kg	4.9	JP	1.0	YES	S3VEM
Endosulfan Sulfate	Target	7.6	U	ug/kg	7.6	U	1.0	YES	S3VEM
4,4'-DDT	Target	2.6	J	ug/kg	2.6	JP	1.0	YES	S3VEM
Methoxychlor	Target	39	U	ug/kg	39	U	1.0	YES	S3VEM
Endrin ketone	Target	7.6	U	ug/kg	7.6	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	7.6	U	ug/kg	7.6	U	1.0	YES	S3VEM
cis-Chlordane	Target	3.3	J	ug/kg	3.3	JP	1.0	YES	S3VEM
trans-Chlordane	Target	3.0	J	ug/kg	3.0	JP	1.0	YES	S3VEM
Toxaphene	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED21A

Sample Number: BG4Z8	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SED21/SW21	pH:	Sample Date: 04/15/2021	Sample Time: 11:20:00
% Moisture:		% Solids: 43.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	160	UJ	ug/kg	160	U	1.0	YES	S3VE
Benzaldehyde	Target	770	U	ug/kg	770	U	1.0	YES	S3VE
Phenol	Target	770	U	ug/kg	770	U	1.0	YES	S3VE
Bis(2-Chloroethyl)ether	Target	770	U	ug/kg	770	U	1.0	YES	S3VE
2-Chlorophenol	Target	390	U	ug/kg	390	U	1.0	YES	S3VE
2-Methylphenol	Target	770	U	ug/kg	770	U	1.0	YES	S3VE
2,2-oxybis(1-Chloropropane)	Target	770	U	ug/kg	770	U	1.0	YES	S3VE
Acetophenone	Target	770	U	ug/kg	770	U	1.0	YES	S3VE
4-Methylphenol	Target	770	U	ug/kg	770	U	1.0	YES	S3VE
N-Nitroso-di-n-propylamine	Target	390	U	ug/kg	390	U	1.0	YES	S3VE
Hexachloroethane	Target	390	U	ug/kg	390	U	1.0	YES	S3VE
Nitrobenzene	Target	390	U	ug/kg	390	U	1.0	YES	S3VE
Isophorone	Target	390	U	ug/kg	390	U	1.0	YES	S3VE
2-Nitrophenol	Target	390	U	ug/kg	390	U	1.0	YES	S3VE
2,4-Dimethylphenol	Target	390	U	ug/kg	390	U	1.0	YES	S3VE
Bis(2-Chloroethoxy)methane	Target	390	U	ug/kg	390	U	1.0	YES	S3VE
2,4-Dichlorophenol	Target	390	U	ug/kg	390	U	1.0	YES	S3VE
Naphthalene	Target	390	U	ug/kg	390	U	1.0	YES	S3VE
4-Chloroaniline	Target	770	U	ug/kg	770	U	1.0	YES	S3VE
Hexachlorobutadiene	Target	390	U	ug/kg	390	U	1.0	YES	S3VE
Caprolactam	Target	770	U	ug/kg	770	U	1.0	YES	S3VE
4-Chloro-3-methylphenol	Target	390	U	ug/kg	390	U	1.0	YES	S3VE
1-Methylnaphthalene	Target	390	U	ug/kg	390	U	1.0	YES	S3VE
2-Methylnaphthalene	Target	390	U	ug/kg	390	U	1.0	YES	S3VE
Hexachlorocyclopentadiene	Target	770	U	ug/kg	770	U	1.0	YES	S3VE
2,4,6-Trichlorophenol	Target	390	U	ug/kg	390	U	1.0	YES	S3VE
2,4,5-Trichlorophenol	Target	390	U	ug/kg	390	U	1.0	YES	S3VE
1,1-Biphenyl	Target	390	U	ug/kg	390	U	1.0	YES	S3VE
2-Chloronaphthalene	Target	390	U	ug/kg	390	U	1.0	YES	S3VE
2-Nitroaniline	Target	390	UJ	ug/kg	390	U	1.0	YES	S3VE
Dimethylphthalate	Target	390	U	ug/kg	390	U	1.0	YES	S3VE
2,6-Dinitrotoluene	Target	390	U	ug/kg	390	U	1.0	YES	S3VE
Acenaphthylene	Target	390	U	ug/kg	390	U	1.0	YES	S3VE
3-Nitroaniline	Target	770	UJ	ug/kg	770	U	1.0	YES	S3VE
Acenaphthene	Target	390	U	ug/kg	390	U	1.0	YES	S3VE
2,4-Dinitrophenol	Target	770	UJ	ug/kg	770	U	1.0	YES	S3VE
4-Nitrophenol	Target	770	UJ	ug/kg	770	U	1.0	YES	S3VE
Dibenzofuran	Target	390	U	ug/kg	390	U	1.0	YES	S3VE
2,4-Dinitrotoluene	Target	390	U	ug/kg	390	U	1.0	YES	S3VE
Diethylphthalate	Target	390	U	ug/kg	390	U	1.0	YES	S3VE
Fluorene	Target	390	U	ug/kg	390	U	1.0	YES	S3VE
4-Chlorophenyl-phenylether	Target	390	U	ug/kg	390	U	1.0	YES	S3VE
4-Nitroaniline	Target	770	UJ	ug/kg	770	U	1.0	YES	S3VE
4,6-Dinitro-2-methylphenol	Target	770	UJ	ug/kg	770	U	1.0	YES	S3VE
N-Nitrosodiphenylamine	Target	390	U	ug/kg	390	U	1.0	YES	S3VE
1,2,4,5-Tetrachlorobenzene	Target	390	U	ug/kg	390	U	1.0	YES	S3VE
4-Bromophenyl-phenylether	Target	390	U	ug/kg	390	U	1.0	YES	S3VE
Hexachlorobenzene	Target	390	U	ug/kg	390	U	1.0	YES	S3VE
Atrazine	Target	770	U	ug/kg	770	U	1.0	YES	S3VE
Pentachlorophenol	Target	770	U	ug/kg	770	U	1.0	YES	S3VE
Phenanthrene	Target	150	J	ug/kg	150	J	1.0	YES	S3VE

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED21A

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Anthracene	Target	390	U	ug/kg	390	U	1.0	YES	S3VE
Carbazole	Target	770	U	ug/kg	770	U	1.0	YES	S3VE
Di-n-butylphthalate	Target	390	U	ug/kg	390	U	1.0	YES	S3VE
Fluoranthene	Target	590		ug/kg	590		1.0	YES	S3VE
Pyrene	Target	440		ug/kg	440		1.0	YES	S3VE
Butylbenzylphthalate	Target	390	U	ug/kg	390	U	1.0	YES	S3VE
3,3-Dichlorobenzidine	Target	770	U	ug/kg	770	U	1.0	YES	S3VE
Benzo(a)anthracene	Target	150	J	ug/kg	150	J	1.0	YES	S3VE
Chrysene	Target	250	J	ug/kg	250	J	1.0	YES	S3VE
Bis(2-ethylhexyl)phthalate	Target	390	U	ug/kg	390	U	1.0	YES	S3VE
Di-n-octyl phthalate	Target	770	U	ug/kg	770	U	1.0	YES	S3VE
Benzo(b)fluoranthene	Target	240	J	ug/kg	240	J	1.0	YES	S3VE
Benzo(k)fluoranthene	Target	390	U	ug/kg	390	U	1.0	YES	S3VE
Benzo(a)pyrene	Target	120	J	ug/kg	120	J	1.0	YES	S3VE
Indeno(1,2,3-cd)pyrene	Target	390	U	ug/kg	390	U	1.0	YES	S3VE
Dibenzo(a,h)anthracene	Target	390	U	ug/kg	390	U	1.0	YES	S3VE
Benzo(g,h,i)perylene	Target	390	U	ug/kg	390	U	1.0	YES	S3VE
2,3,4,6-Tetrachlorophenol	Target	390	U	ug/kg	390	U	1.0	YES	S3VE
Total Alkanes	TIC	180	N	ug/kg	180	N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED21A

Sample Number: BG4Z8	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED21/SW21	pH:	Sample Date: 04/15/2021	Sample Time: 11:20:00
% Moisture:		% Solids: 43.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	16	U	ug/kg	16	U	1.0	YES	S3VEM
Chloromethane	Target	16	U	ug/kg	16	U	1.0	YES	S3VEM
Vinyl chloride	Target	16	U	ug/kg	16	U	1.0	YES	S3VEM
Bromomethane	Target	16	U	ug/kg	16	U	1.0	YES	S3VEM
Chloroethane	Target	16	U	ug/kg	16	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	16	U	ug/kg	16	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	16	U	ug/kg	16	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	16	U	ug/kg	16	U	1.0	YES	S3VEM
Acetone	Target	140		ug/kg	140		1.0	YES	S3VEM
Carbon disulfide	Target	2.5	J	ug/kg	2.5	J	1.0	YES	S3VEM
Methyl Acetate	Target	16	U	ug/kg	16	U	1.0	YES	S3VEM
Methylene chloride	Target	23		ug/kg	23		1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	16	U	ug/kg	16	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	16	U	ug/kg	16	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	16	U	ug/kg	16	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	16	U	ug/kg	16	U	1.0	YES	S3VEM
2-Butanone	Target	25	J	ug/kg	25	J	1.0	YES	S3VEM
Bromochloromethane	Target	16	U	ug/kg	16	U	1.0	YES	S3VEM
Chloroform	Target	16	U	ug/kg	16	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	16	U	ug/kg	16	U	1.0	YES	S3VEM
Cyclohexane	Target	16	U	ug/kg	16	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	16	U	ug/kg	16	U	1.0	YES	S3VEM
Benzene	Target	16	U	ug/kg	16	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	16	U	ug/kg	16	U	1.0	YES	S3VEM
Trichloroethene	Target	16	U	ug/kg	16	U	1.0	YES	S3VEM
Methylcyclohexane	Target	16	U	ug/kg	16	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	16	U	ug/kg	16	U	1.0	YES	S3VEM
Bromodichloromethane	Target	16	U	ug/kg	16	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	16	U	ug/kg	16	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Toluene	Target	16	U	ug/kg	2.4	JB	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	16	U	ug/kg	16	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	16	U	ug/kg	16	U	1.0	YES	S3VEM
Tetrachloroethene	Target	16	U	ug/kg	16	U	1.0	YES	S3VEM
2-Hexanone	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Dibromochloromethane	Target	16	U	ug/kg	16	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	16	U	ug/kg	16	U	1.0	YES	S3VEM
Chlorobenzene	Target	16	U	ug/kg	16	U	1.0	YES	S3VEM
Ethylbenzene	Target	16	U	ug/kg	16	U	1.0	YES	S3VEM
o-Xylene	Target	16	U	ug/kg	16	U	1.0	YES	S3VEM
m,p-Xylene	Target	16	U	ug/kg	16	U	1.0	YES	S3VEM
Styrene	Target	16	U	ug/kg	16	U	1.0	YES	S3VEM
Bromoform	Target	16	UJ	ug/kg	16	U	1.0	YES	S3VEM
Isopropylbenzene	Target	16	UJ	ug/kg	16	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	16	U	ug/kg	16	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	16	U	ug/kg	16	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	16	UJ	ug/kg	16	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	16	UJ	ug/kg	16	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	16	UJ	ug/kg	16	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	16	UJ	ug/kg	16	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	16	UJ	ug/kg	16	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	16	UJ	ug/kg	16	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED21A

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	16	UJ	ug/kg	16	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	16	UJ	ug/kg	16	U	1.0	YES	S3VEM
Total Alkanes	TIC	13	BN	ug/kg	13	BN	1.0	YES	NV
unknown-02	TIC	21	J	ug/kg	21	J	1.0	YES	NV
Dimethyl sulfide	TIC	9.3	JN	ug/kg	9.3	JN	1.0	YES	NV
Dimethyl ether	TIC	17	JN	ug/kg	17	JN	1.0	YES	NV
.gamma.-Terpinene	TIC	9.5	JN	ug/kg	9.5	JN	1.0	YES	NV
Bicyclo[3.1.0]hexane, 4-methylene-	TIC	55	JN	ug/kg	55	JN	1.0	YES	NV
unknown-01	TIC	24	J	ug/kg	24	J	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Sample Number: BG4Z8ME	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED21/SW21	pH:	Sample Date: 04/15/2021	Sample Time: 11:20:00
% Moisture:		% Solids: 43.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Chloromethane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Vinyl chloride	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Bromomethane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Chloroethane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Trichlorofluoromethane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,1-Dichloroethene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Acetone	Target	2400	U	ug/kg	2400	U	1.0	NO	S3VEM
Carbon disulfide	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Methyl Acetate	Target	920	J	ug/kg	920	J	1.0	NO	S3VEM
Methylene chloride	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
trans-1,2-Dichloroethene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Methyl tert-butyl Ether	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,1-Dichloroethane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
cis-1,2-Dichloroethene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
2-Butanone	Target	2400	U	ug/kg	2400	U	1.0	NO	S3VEM
Bromochloromethane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Chloroform	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,1,1-Trichloroethane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Cyclohexane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Carbon tetrachloride	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Benzene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,2-Dichloroethane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Trichloroethene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Methylcyclohexane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,2-Dichloropropane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Bromodichloromethane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
cis-1,3-Dichloropropene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
4-Methyl-2-pentanone	Target	2400	U	ug/kg	2400	U	1.0	NO	S3VEM
Toluene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
trans-1,3-Dichloropropene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,1,2-Trichloroethane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Tetrachloroethene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
2-Hexanone	Target	2400	U	ug/kg	2400	U	1.0	NO	S3VEM
Dibromochloromethane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,2-Dibromoethane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Chlorobenzene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Ethylbenzene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
o-Xylene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
m,p-Xylene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Styrene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Bromoform	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Isopropylbenzene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,2,3-Trichloropropane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,1,2,2-Tetrachloroethane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,3-Dichlorobenzene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,4-Dichlorobenzene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,2-Dichlorobenzene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,2-Dibromo-3-chloropropane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,2,4-Trimethylbenzene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,3,5-Trimethylbenzene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,2,3-Trichlorobenzene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	NO	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED01A

Sample Number: BG558	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: SED01/SW01	pH:	Sample Date: 04/19/2021	Sample Time: 08:45:00
% Moisture:		% Solids: 82.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	40	U	ug/kg	40	U	1.0	YES	S3VEM
Aroclor-1221	Target	40	U	ug/kg	40	U	1.0	YES	S3VEM
Aroclor-1232	Target	40	U	ug/kg	40	U	1.0	YES	S3VEM
Aroclor-1242	Target	40	U	ug/kg	40	U	1.0	YES	S3VEM
Aroclor-1248	Target	40	U	ug/kg	40	U	1.0	YES	S3VEM
Aroclor-1254	Target	40	U	ug/kg	40	U	1.0	YES	S3VEM
Aroclor-1260	Target	40	U	ug/kg	40	U	1.0	YES	S3VEM
Aroclor-1262	Target	40	U	ug/kg	40	U	1.0	YES	S3VEM
Aroclor-1268	Target	40	U	ug/kg	40	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED01A

Sample Number: BG558	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: SED01/SW01	pH:	Sample Date: 04/19/2021	Sample Time: 08:45:00
% Moisture:		% Solids: 82.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	2.1	U	ug/kg	2.1	U	1.0	YES	S3VEM
beta-BHC	Target	2.1	U	ug/kg	2.1	U	1.0	YES	S3VEM
delta-BHC	Target	2.1	U	ug/kg	2.1	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	2.1	U	ug/kg	2.1	U	1.0	YES	S3VEM
Heptachlor	Target	2.1	U	ug/kg	2.1	U	1.0	YES	S3VEM
Aldrin	Target	2.1	U	ug/kg	2.1	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	2.1	U	ug/kg	2.1	U	1.0	YES	S3VEM
Endosulfan I	Target	2.1	U	ug/kg	2.1	U	1.0	YES	S3VEM
Dieldrin	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S3VEM
4,4'-DDE	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S3VEM
Endrin	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S3VEM
Endosulfan II	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S3VEM
4,4'-DDD	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S3VEM
4,4'-DDT	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S3VEM
Methoxychlor	Target	21	U	ug/kg	21	U	1.0	YES	S3VEM
Endrin ketone	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S3VEM
cis-Chlordane	Target	2.1	U	ug/kg	2.1	U	1.0	YES	S3VEM
trans-Chlordane	Target	2.1	U	ug/kg	2.1	U	1.0	YES	S3VEM
Toxaphene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED01A

Sample Number: BG558	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SED01/SW01	pH:	Sample Date: 04/19/2021	Sample Time: 08:45:00
% Moisture:		% Solids: 82.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	81	UJ	ug/kg	81	U	1.0	YES	S3VE
Benzaldehyde	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
Phenol	Target	56	J	ug/kg	56	J	1.0	YES	S3VE
Bis(2-Chloroethyl)ether	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
2-Chlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
2-Methylphenol	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
2,2-oxybis(1-Chloropropane)	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
Acetophenone	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
4-Methylphenol	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
N-Nitroso-di-n-propylamine	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Hexachloroethane	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Nitrobenzene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Isophorone	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
2-Nitrophenol	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
2,4-Dimethylphenol	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Bis(2-Chloroethoxy)methane	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
2,4-Dichlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Naphthalene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
4-Chloroaniline	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
Hexachlorobutadiene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Caprolactam	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
4-Chloro-3-methylphenol	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
1-Methylnaphthalene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
2-Methylnaphthalene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Hexachlorocyclopentadiene	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
2,4,6-Trichlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
2,4,5-Trichlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
1,1-Biphenyl	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
2-Chloronaphthalene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
2-Nitroaniline	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Dimethylphthalate	Target	44	J	ug/kg	44	J	1.0	YES	S3VE
2,6-Dinitrotoluene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Acenaphthylene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
3-Nitroaniline	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
Acenaphthene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
2,4-Dinitrophenol	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
4-Nitrophenol	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
Dibenzofuran	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
2,4-Dinitrotoluene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Diethylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Fluorene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
4-Chlorophenyl-phenylether	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
4-Nitroaniline	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
4,6-Dinitro-2-methylphenol	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
N-Nitrosodiphenylamine	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
1,2,4,5-Tetrachlorobenzene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
4-Bromophenyl-phenylether	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Hexachlorobenzene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Atrazine	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
Pentachlorophenol	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
Phenanthrene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED01A

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Anthracene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Carbazole	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
Di-n-butylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Fluoranthene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Pyrene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Butylbenzylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
3,3-Dichlorobenzidine	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
Benzo(a)anthracene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Chrysene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Bis(2-ethylhexyl)phthalate	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Di-n-octyl phthalate	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
Benzo(b)fluoranthene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Benzo(k)fluoranthene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Benzo(a)pyrene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Indeno(1,2,3-cd)pyrene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Dibenzo(a,h)anthracene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Benzo(g,h,i)perylene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
2,3,4,6-Tetrachlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Total Alkanes	TIC	200	N	ug/kg	200	N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED01A

Sample Number: BG558	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED01/SW01	pH:	Sample Date: 04/19/2021	Sample Time: 08:45:00
% Moisture:		% Solids: 82.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
Chloromethane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
Bromomethane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
Chloroethane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.5	UJ	ug/kg	5.5	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
Acetone	Target	15		ug/kg	15		1.0	YES	S3VEM
Carbon disulfide	Target	0.88	J	ug/kg	0.88	J	1.0	YES	S3VEM
Methyl Acetate	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
Methylene chloride	Target	9.6		ug/kg	9.6		1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.5	UJ	ug/kg	5.5	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.5	UJ	ug/kg	5.5	U	1.0	YES	S3VEM
2-Butanone	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
Chloroform	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
Cyclohexane	Target	5.5	UJ	ug/kg	5.5	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
Benzene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
Trichloroethene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.5	UJ	ug/kg	5.5	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.5	UJ	ug/kg	5.5	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.5	UJ	ug/kg	5.5	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Toluene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
2-Hexanone	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.5	UJ	ug/kg	5.5	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
o-Xylene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
Styrene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
Bromoform	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.5	UJ	ug/kg	5.5	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.5	UJ	ug/kg	5.5	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.5	UJ	ug/kg	5.5	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.5	UJ	ug/kg	5.5	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED01A

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.5	UJ	ug/kg	5.5	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.5	UJ	ug/kg	5.5	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Sample Number: BG558MS	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 04/19/2021	Sample Time: 08:45:00
% Moisture:		% Solids: 82.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Spike	160		ug/kg	160		1.0	YES	S3VEM
Aroclor-1221	Target	40	U	ug/kg	40	U	1.0	YES	S3VEM
Aroclor-1232	Target	40	U	ug/kg	40	U	1.0	YES	S3VEM
Aroclor-1242	Target	40	U	ug/kg	40	U	1.0	YES	S3VEM
Aroclor-1248	Target	40	U	ug/kg	40	U	1.0	YES	S3VEM
Aroclor-1254	Target	40	U	ug/kg	40	U	1.0	YES	S3VEM
Aroclor-1260	Spike	150		ug/kg	150		1.0	YES	S3VEM
Aroclor-1262	Target	40	U	ug/kg	40	U	1.0	YES	S3VEM
Aroclor-1268	Target	40	U	ug/kg	40	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Sample Number: BG558MS	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 04/19/2021	Sample Time: 08:45:00
% Moisture:		% Solids: 82.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Spike	12		ug/kg	12	*	1.0	YES	S3VEM
beta-BHC	Spike	12		ug/kg	12	*	1.0	YES	S3VEM
delta-BHC	Spike	5.9		ug/kg	5.9	*	1.0	YES	S3VEM
gamma-BHC (Lindane)	Spike	13		ug/kg	13		1.0	YES	S3VEM
Heptachlor	Spike	13		ug/kg	13		1.0	YES	S3VEM
Aldrin	Spike	13		ug/kg	13		1.0	YES	S3VEM
Heptachlor epoxide	Spike	12		ug/kg	12	*	1.0	YES	S3VEM
Endosulfan I	Spike	13		ug/kg	13	*	1.0	YES	S3VEM
Dieldrin	Spike	26		ug/kg	26		1.0	YES	S3VEM
4,4'-DDE	Spike	25		ug/kg	25	*	1.0	YES	S3VEM
Endrin	Spike	26		ug/kg	26		1.0	YES	S3VEM
Endosulfan II	Spike	26		ug/kg	26	*	1.0	YES	S3VEM
4,4'-DDD	Spike	26		ug/kg	26	*	1.0	YES	S3VEM
Endosulfan Sulfate	Spike	22		ug/kg	22	*	1.0	YES	S3VEM
4,4'-DDT	Spike	25		ug/kg	25		1.0	YES	S3VEM
Methoxychlor	Spike	130		ug/kg	130	*	1.0	YES	S3VEM
Endrin ketone	Spike	26		ug/kg	26	*	1.0	YES	S3VEM
Endrin Aldehyde	Spike	25		ug/kg	25	*	1.0	YES	S3VEM
cis-Chlordane	Spike	12		ug/kg	12	*	1.0	YES	S3VEM
trans-Chlordane	Spike	12		ug/kg	12	*	1.0	YES	S3VEM
Toxaphene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Sample Number: BG558MSD	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 04/19/2021	Sample Time: 08:45:00
% Moisture:		% Solids: 82.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Spike	160		ug/kg	160		1.0	YES	S3VEM
Aroclor-1221	Target	40	U	ug/kg	40	U	1.0	YES	S3VEM
Aroclor-1232	Target	40	U	ug/kg	40	U	1.0	YES	S3VEM
Aroclor-1242	Target	40	U	ug/kg	40	U	1.0	YES	S3VEM
Aroclor-1248	Target	40	U	ug/kg	40	U	1.0	YES	S3VEM
Aroclor-1254	Target	40	U	ug/kg	40	U	1.0	YES	S3VEM
Aroclor-1260	Spike	150		ug/kg	150		1.0	YES	S3VEM
Aroclor-1262	Target	40	U	ug/kg	40	U	1.0	YES	S3VEM
Aroclor-1268	Target	40	U	ug/kg	40	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Sample Number: BG558MSD	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 04/19/2021	Sample Time: 08:45:00
% Moisture:		% Solids: 82.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Spike	12		ug/kg	12	*	1.0	YES	S3VEM
beta-BHC	Spike	12		ug/kg	12	*	1.0	YES	S3VEM
delta-BHC	Spike	5.7		ug/kg	5.7	*	1.0	YES	S3VEM
gamma-BHC (Lindane)	Spike	12		ug/kg	12		1.0	YES	S3VEM
Heptachlor	Spike	13		ug/kg	13		1.0	YES	S3VEM
Aldrin	Spike	13		ug/kg	13		1.0	YES	S3VEM
Heptachlor epoxide	Spike	13		ug/kg	13	*	1.0	YES	S3VEM
Endosulfan I	Spike	13		ug/kg	13	*	1.0	YES	S3VEM
Dieldrin	Spike	26		ug/kg	26		1.0	YES	S3VEM
4,4'-DDE	Spike	25		ug/kg	25	*	1.0	YES	S3VEM
Endrin	Spike	27		ug/kg	27		1.0	YES	S3VEM
Endosulfan II	Spike	27		ug/kg	27	*	1.0	YES	S3VEM
4,4'-DDD	Spike	27		ug/kg	27	*	1.0	YES	S3VEM
Endosulfan Sulfate	Spike	22		ug/kg	22	*	1.0	YES	S3VEM
4,4'-DDT	Spike	26		ug/kg	26		1.0	YES	S3VEM
Methoxychlor	Spike	130		ug/kg	130	*	1.0	YES	S3VEM
Endrin ketone	Spike	26		ug/kg	26	*	1.0	YES	S3VEM
Endrin Aldehyde	Spike	26		ug/kg	26	*	1.0	YES	S3VEM
cis-Chlordane	Spike	13		ug/kg	13	*	1.0	YES	S3VEM
trans-Chlordane	Spike	12		ug/kg	12	*	1.0	YES	S3VEM
Toxaphene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED01B

Sample Number: BG559	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: SED01/SW01	pH:	Sample Date: 04/19/2021	Sample Time: 09:05:00
% Moisture:		% Solids: 81.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	40	U	ug/kg	40	U	1.0	YES	S3VEM
Aroclor-1221	Target	40	U	ug/kg	40	U	1.0	YES	S3VEM
Aroclor-1232	Target	40	U	ug/kg	40	U	1.0	YES	S3VEM
Aroclor-1242	Target	40	U	ug/kg	40	U	1.0	YES	S3VEM
Aroclor-1248	Target	40	U	ug/kg	40	U	1.0	YES	S3VEM
Aroclor-1254	Target	40	U	ug/kg	40	U	1.0	YES	S3VEM
Aroclor-1260	Target	40	U	ug/kg	40	U	1.0	YES	S3VEM
Aroclor-1262	Target	40	U	ug/kg	40	U	1.0	YES	S3VEM
Aroclor-1268	Target	40	U	ug/kg	40	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED01B

Sample Number: BG559	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: SED01/SW01	pH:	Sample Date: 04/19/2021	Sample Time: 09:05:00
% Moisture:		% Solids: 81.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	2.1	UJ	ug/kg	2.1	U	1.0	YES	S3VEM
beta-BHC	Target	2.1	UJ	ug/kg	2.1	U	1.0	YES	S3VEM
delta-BHC	Target	2.1	UJ	ug/kg	2.1	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	2.1	UJ	ug/kg	2.1	U	1.0	YES	S3VEM
Heptachlor	Target	2.1	UJ	ug/kg	2.1	U	1.0	YES	S3VEM
Aldrin	Target	2.1	UJ	ug/kg	2.1	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	2.1	UJ	ug/kg	2.1	U	1.0	YES	S3VEM
Endosulfan I	Target	2.1	UJ	ug/kg	2.1	U	1.0	YES	S3VEM
Dieldrin	Target	4.0	UJ	ug/kg	4.0	U	1.0	YES	S3VEM
4,4'-DDE	Target	4.0	UJ	ug/kg	4.0	U	1.0	YES	S3VEM
Endrin	Target	4.0	UJ	ug/kg	4.0	U	1.0	YES	S3VEM
Endosulfan II	Target	4.0	UJ	ug/kg	4.0	U	1.0	YES	S3VEM
4,4'-DDD	Target	4.0	UJ	ug/kg	4.0	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	4.0	UJ	ug/kg	4.0	U	1.0	YES	S3VEM
4,4'-DDT	Target	4.0	UJ	ug/kg	4.0	U	1.0	YES	S3VEM
Methoxychlor	Target	21	UJ	ug/kg	21	U	1.0	YES	S3VEM
Endrin ketone	Target	4.0	UJ	ug/kg	4.0	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	4.0	UJ	ug/kg	4.0	U	1.0	YES	S3VEM
cis-Chlordane	Target	2.1	UJ	ug/kg	2.1	U	1.0	YES	S3VEM
trans-Chlordane	Target	2.1	UJ	ug/kg	2.1	U	1.0	YES	S3VEM
Toxaphene	Target	210	UJ	ug/kg	210	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED01B

Sample Number: BG559	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SED01/SW01	pH:	Sample Date: 04/19/2021	Sample Time: 09:05:00
% Moisture:		% Solids: 81.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	82	UJ	ug/kg	82	U	1.0	YES	S3VE
Benzaldehyde	Target	72	J	ug/kg	72	J	1.0	YES	S3VE
Phenol	Target	83	J	ug/kg	83	J	1.0	YES	S3VE
Bis(2-Chloroethyl)ether	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
2-Chlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
2-Methylphenol	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
2,2-oxybis(1-Chloropropane)	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
Acetophenone	Target	150	J	ug/kg	150	J	1.0	YES	S3VE
4-Methylphenol	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
N-Nitroso-di-n-propylamine	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Hexachloroethane	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Nitrobenzene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Isophorone	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
2-Nitrophenol	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
2,4-Dimethylphenol	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Bis(2-Chloroethoxy)methane	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
2,4-Dichlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Naphthalene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
4-Chloroaniline	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
Hexachlorobutadiene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Caprolactam	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
4-Chloro-3-methylphenol	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
1-Methylnaphthalene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
2-Methylnaphthalene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Hexachlorocyclopentadiene	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
2,4,6-Trichlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
2,4,5-Trichlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
1,1-Biphenyl	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
2-Chloronaphthalene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
2-Nitroaniline	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Dimethylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
2,6-Dinitrotoluene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Acenaphthylene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
3-Nitroaniline	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
Acenaphthene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
2,4-Dinitrophenol	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
4-Nitrophenol	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
Dibenzofuran	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
2,4-Dinitrotoluene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Diethylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Fluorene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
4-Chlorophenyl-phenylether	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
4-Nitroaniline	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
4,6-Dinitro-2-methylphenol	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
N-Nitrosodiphenylamine	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
1,2,4,5-Tetrachlorobenzene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
4-Bromophenyl-phenylether	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Hexachlorobenzene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Atrazine	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
Pentachlorophenol	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
Phenanthrene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Anthracene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Carbazole	Target	400	U	ug/kg	400	U	1.0	YES	S3VE

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED01B

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Fluoranthene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Pyrene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Butylbenzylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
3,3-Dichlorobenzidine	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
Benzo(a)anthracene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Chrysene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Bis(2-ethylhexyl)phthalate	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Di-n-octyl phthalate	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
Benzo(b)fluoranthene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Benzo(k)fluoranthene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Benzo(a)pyrene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Indeno(1,2,3-cd)pyrene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Dibenzo(a,h)anthracene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Benzo(g,h,i)perylene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
2,3,4,6-Tetrachlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
1-Formyl-2,2,6-trimethyl-3-(3-meth	TIC	360	JN	ug/kg	360	JN	1.0	YES	NV
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED01B

Sample Number: BG559	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED01/SW01	pH:	Sample Date: 04/19/2021	Sample Time: 09:05:00
% Moisture:		% Solids: 81.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
Chloromethane	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
Bromomethane	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
Chloroethane	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.6	UJ	ug/kg	5.6	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.6	UJ	ug/kg	5.6	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.6	UJ	ug/kg	5.6	U	1.0	YES	S3VEM
Acetone	Target	11		ug/kg	11		1.0	YES	S3VEM
Carbon disulfide	Target	0.78	J	ug/kg	0.78	J	1.0	YES	S3VEM
Methyl Acetate	Target	5.6	UJ	ug/kg	5.6	U	1.0	YES	S3VEM
Methylene chloride	Target	7.3	J-	ug/kg	7.3		1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.6	UJ	ug/kg	5.6	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.6	UJ	ug/kg	5.6	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.6	UJ	ug/kg	5.6	U	1.0	YES	S3VEM
2-Butanone	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
Chloroform	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.6	UJ	ug/kg	5.6	U	1.0	YES	S3VEM
Cyclohexane	Target	5.6	UJ	ug/kg	5.6	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.6	UJ	ug/kg	5.6	U	1.0	YES	S3VEM
Benzene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.6	UJ	ug/kg	5.6	U	1.0	YES	S3VEM
Trichloroethene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.6	UJ	ug/kg	5.6	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.6	UJ	ug/kg	5.6	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.6	UJ	ug/kg	5.6	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Toluene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
2-Hexanone	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.6	UJ	ug/kg	5.6	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.6	UJ	ug/kg	5.6	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
o-Xylene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
Styrene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
Bromoform	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.6	UJ	ug/kg	5.6	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.6	UJ	ug/kg	5.6	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.6	UJ	ug/kg	5.6	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.6	UJ	ug/kg	5.6	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED01B

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.6	UJ	ug/kg	5.6	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.6	UJ	ug/kg	5.6	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED01C

Sample Number: BG560	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: SED01/SW01	pH:	Sample Date: 04/19/2021	Sample Time: 09:15:00
% Moisture:		% Solids: 80.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	41	U	ug/kg	41	U	1.0	YES	S3VEM
Aroclor-1221	Target	41	U	ug/kg	41	U	1.0	YES	S3VEM
Aroclor-1232	Target	41	U	ug/kg	41	U	1.0	YES	S3VEM
Aroclor-1242	Target	41	U	ug/kg	41	U	1.0	YES	S3VEM
Aroclor-1248	Target	41	U	ug/kg	41	U	1.0	YES	S3VEM
Aroclor-1254	Target	41	U	ug/kg	41	U	1.0	YES	S3VEM
Aroclor-1260	Target	41	U	ug/kg	41	U	1.0	YES	S3VEM
Aroclor-1262	Target	41	U	ug/kg	41	U	1.0	YES	S3VEM
Aroclor-1268	Target	41	U	ug/kg	41	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED01C

Sample Number: BG560	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: SED01/SW01	pH:	Sample Date: 04/19/2021	Sample Time: 09:15:00
% Moisture:		% Solids: 80.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	2.1	U	ug/kg	2.1	U	1.0	YES	S3VEM
beta-BHC	Target	2.1	U	ug/kg	2.1	U	1.0	YES	S3VEM
delta-BHC	Target	2.1	U	ug/kg	2.1	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	2.1	U	ug/kg	2.1	U	1.0	YES	S3VEM
Heptachlor	Target	2.1	U	ug/kg	2.1	U	1.0	YES	S3VEM
Aldrin	Target	2.1	U	ug/kg	2.1	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	2.1	U	ug/kg	2.1	U	1.0	YES	S3VEM
Endosulfan I	Target	2.1	U	ug/kg	2.1	U	1.0	YES	S3VEM
Dieldrin	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S3VEM
4,4'-DDE	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S3VEM
Endrin	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S3VEM
Endosulfan II	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S3VEM
4,4'-DDD	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S3VEM
4,4'-DDT	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S3VEM
Methoxychlor	Target	21	U	ug/kg	21	U	1.0	YES	S3VEM
Endrin ketone	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S3VEM
cis-Chlordane	Target	2.1	U	ug/kg	2.1	U	1.0	YES	S3VEM
trans-Chlordane	Target	2.1	U	ug/kg	2.1	U	1.0	YES	S3VEM
Toxaphene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED01C

Sample Number: BG560	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SED01/SW01	pH:	Sample Date: 04/19/2021	Sample Time: 09:15:00
% Moisture:		% Solids: 80.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	83	UJ	ug/kg	83	U	1.0	YES	S3VE
Benzaldehyde	Target	410	U	ug/kg	410	U	1.0	YES	S3VE
Phenol	Target	43	J	ug/kg	43	J	1.0	YES	S3VE
Bis(2-Chloroethyl)ether	Target	410	U	ug/kg	410	U	1.0	YES	S3VE
2-Chlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
2-Methylphenol	Target	410	U	ug/kg	410	U	1.0	YES	S3VE
2,2-oxybis(1-Chloropropane)	Target	410	U	ug/kg	410	U	1.0	YES	S3VE
Acetophenone	Target	410	U	ug/kg	410	U	1.0	YES	S3VE
4-Methylphenol	Target	410	U	ug/kg	410	U	1.0	YES	S3VE
N-Nitroso-di-n-propylamine	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Hexachloroethane	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Nitrobenzene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Isophorone	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
2-Nitrophenol	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
2,4-Dimethylphenol	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Bis(2-Chloroethoxy)methane	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
2,4-Dichlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Naphthalene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
4-Chloroaniline	Target	410	U	ug/kg	410	U	1.0	YES	S3VE
Hexachlorobutadiene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Caprolactam	Target	410	U	ug/kg	410	U	1.0	YES	S3VE
4-Chloro-3-methylphenol	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
1-Methylnaphthalene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
2-Methylnaphthalene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Hexachlorocyclopentadiene	Target	410	U	ug/kg	410	U	1.0	YES	S3VE
2,4,6-Trichlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
2,4,5-Trichlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
1,1-Biphenyl	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
2-Chloronaphthalene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
2-Nitroaniline	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Dimethylphthalate	Target	52	J	ug/kg	52	J	1.0	YES	S3VE
2,6-Dinitrotoluene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Acenaphthylene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
3-Nitroaniline	Target	410	U	ug/kg	410	U	1.0	YES	S3VE
Acenaphthene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
2,4-Dinitrophenol	Target	410	U	ug/kg	410	U	1.0	YES	S3VE
4-Nitrophenol	Target	410	U	ug/kg	410	U	1.0	YES	S3VE
Dibenzofuran	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
2,4-Dinitrotoluene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Diethylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Fluorene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
4-Chlorophenyl-phenylether	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
4-Nitroaniline	Target	410	U	ug/kg	410	U	1.0	YES	S3VE
4,6-Dinitro-2-methylphenol	Target	410	U	ug/kg	410	U	1.0	YES	S3VE
N-Nitrosodiphenylamine	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
1,2,4,5-Tetrachlorobenzene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
4-Bromophenyl-phenylether	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Hexachlorobenzene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Atrazine	Target	410	U	ug/kg	410	U	1.0	YES	S3VE
Pentachlorophenol	Target	410	U	ug/kg	410	U	1.0	YES	S3VE
Phenanthrene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED01C

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Anthracene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Carbazole	Target	410	U	ug/kg	410	U	1.0	YES	S3VE
Di-n-butylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Fluoranthene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Pyrene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Butylbenzylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
3,3-Dichlorobenzidine	Target	410	U	ug/kg	410	U	1.0	YES	S3VE
Benzo(a)anthracene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Chrysene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Bis(2-ethylhexyl)phthalate	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Di-n-octyl phthalate	Target	410	U	ug/kg	410	U	1.0	YES	S3VE
Benzo(b)fluoranthene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Benzo(k)fluoranthene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Benzo(a)pyrene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Indeno(1,2,3-cd)pyrene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Dibenzo(a,h)anthracene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Benzo(g,h,i)perylene	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
2,3,4,6-Tetrachlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Total Alkanes	TIC	210	N	ug/kg	210	N	1.0	YES	NV
n-Hexadecanoic acid	TIC	110	JN	ug/kg	110	JN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED01C

Sample Number: BG560	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED01/SW01	pH:	Sample Date: 04/19/2021	Sample Time: 09:15:00
% Moisture:		% Solids: 80.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
Chloromethane	Target	5.5	UJ	ug/kg	5.5	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
Bromomethane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
Chloroethane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.5	UJ	ug/kg	5.5	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
Acetone	Target	21		ug/kg	21		1.0	YES	S3VEM
Carbon disulfide	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
Methylene chloride	Target	6.4		ug/kg	6.4		1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.5	UJ	ug/kg	5.5	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.5	UJ	ug/kg	5.5	U	1.0	YES	S3VEM
2-Butanone	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
Chloroform	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
Cyclohexane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
Benzene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
Trichloroethene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Toluene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
2-Hexanone	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
o-Xylene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
Styrene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
Bromoform	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED01C

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
Dimethyl sulfide	TIC	6.7	JN	ug/kg	6.7	JN	1.0	YES	NV
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED02A

Sample Number: BG561	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: SED02	pH:	Sample Date: 04/19/2021	Sample Time: 09:40:00
% Moisture:		% Solids: 50.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	65	U	ug/kg	65	U	1.0	YES	S3VEM
Aroclor-1221	Target	65	U	ug/kg	65	U	1.0	YES	S3VEM
Aroclor-1232	Target	65	U	ug/kg	65	U	1.0	YES	S3VEM
Aroclor-1242	Target	65	U	ug/kg	65	U	1.0	YES	S3VEM
Aroclor-1248	Target	65	U	ug/kg	65	U	1.0	YES	S3VEM
Aroclor-1254	Target	65	U	ug/kg	65	U	1.0	YES	S3VEM
Aroclor-1260	Target	65	U	ug/kg	65	U	1.0	YES	S3VEM
Aroclor-1262	Target	65	U	ug/kg	65	U	1.0	YES	S3VEM
Aroclor-1268	Target	65	U	ug/kg	65	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED02A

Sample Number: BG561	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: SED02	pH:	Sample Date: 04/19/2021	Sample Time: 09:40:00
% Moisture:		% Solids: 50.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
beta-BHC	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
delta-BHC	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
Heptachlor	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
Aldrin	Target	0.54	J	ug/kg	0.54	J	1.0	YES	S3VEM
Heptachlor epoxide	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
Endosulfan I	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
Dieldrin	Target	6.5	U	ug/kg	6.5	U	1.0	YES	S3VEM
4,4'-DDE	Target	6.5	U	ug/kg	6.5	U	1.0	YES	S3VEM
Endrin	Target	6.5	U	ug/kg	6.5	U	1.0	YES	S3VEM
Endosulfan II	Target	6.5	U	ug/kg	6.5	U	1.0	YES	S3VEM
4,4'-DDD	Target	6.5	U	ug/kg	6.5	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	6.5	U	ug/kg	6.5	U	1.0	YES	S3VEM
4,4'-DDT	Target	6.5	U	ug/kg	6.5	U	1.0	YES	S3VEM
Methoxychlor	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Endrin ketone	Target	6.5	U	ug/kg	6.5	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	6.5	U	ug/kg	6.5	U	1.0	YES	S3VEM
cis-Chlordane	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
trans-Chlordane	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
Toxaphene	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED02A

Sample Number: BG561	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SED02	pH:	Sample Date: 04/19/2021	Sample Time: 09:40:00
% Moisture:		% Solids: 50.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	130	UJ	ug/kg	130	U	1.0	YES	S3VE
Benzaldehyde	Target	650	U	ug/kg	650	U	1.0	YES	S3VE
Phenol	Target	650	U	ug/kg	650	U	1.0	YES	S3VE
Bis(2-Chloroethyl)ether	Target	650	U	ug/kg	650	U	1.0	YES	S3VE
2-Chlorophenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
2-Methylphenol	Target	650	U	ug/kg	650	U	1.0	YES	S3VE
2,2-oxybis(1-Chloropropane)	Target	650	U	ug/kg	650	U	1.0	YES	S3VE
Acetophenone	Target	650	U	ug/kg	650	U	1.0	YES	S3VE
4-Methylphenol	Target	650	U	ug/kg	650	U	1.0	YES	S3VE
N-Nitroso-di-n-propylamine	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
Hexachloroethane	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
Nitrobenzene	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
Isophorone	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
2-Nitrophenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
2,4-Dimethylphenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
Bis(2-Chloroethoxy)methane	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
2,4-Dichlorophenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
Naphthalene	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
4-Chloroaniline	Target	650	U	ug/kg	650	U	1.0	YES	S3VE
Hexachlorobutadiene	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
Caprolactam	Target	650	U	ug/kg	650	U	1.0	YES	S3VE
4-Chloro-3-methylphenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
1-Methylnaphthalene	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
2-Methylnaphthalene	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
Hexachlorocyclopentadiene	Target	650	U	ug/kg	650	U	1.0	YES	S3VE
2,4,6-Trichlorophenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
2,4,5-Trichlorophenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
1,1-Biphenyl	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
2-Chloronaphthalene	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
2-Nitroaniline	Target	330	UJ	ug/kg	330	U	1.0	YES	S3VE
Dimethylphthalate	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
2,6-Dinitrotoluene	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
Acenaphthylene	Target	100	J	ug/kg	100	J	1.0	YES	S3VE
3-Nitroaniline	Target	650	UJ	ug/kg	650	U	1.0	YES	S3VE
Acenaphthene	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
2,4-Dinitrophenol	Target	650	UJ	ug/kg	650	U	1.0	YES	S3VE
4-Nitrophenol	Target	650	UJ	ug/kg	650	U	1.0	YES	S3VE
Dibenzofuran	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
2,4-Dinitrotoluene	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
Diethylphthalate	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
Fluorene	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
4-Chlorophenyl-phenylether	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
4-Nitroaniline	Target	650	UJ	ug/kg	650	U	1.0	YES	S3VE
4,6-Dinitro-2-methylphenol	Target	650	UJ	ug/kg	650	U	1.0	YES	S3VE
N-Nitrosodiphenylamine	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
1,2,4,5-Tetrachlorobenzene	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
4-Bromophenyl-phenylether	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
Hexachlorobenzene	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
Atrazine	Target	650	U	ug/kg	650	U	1.0	YES	S3VE
Pentachlorophenol	Target	650	U	ug/kg	650	U	1.0	YES	S3VE
Phenanthrene	Target	330	U	ug/kg	330	U	1.0	YES	S3VE

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED02A

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Anthracene	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
Carbazole	Target	650	U	ug/kg	650	U	1.0	YES	S3VE
Di-n-butylphthalate	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
Fluoranthene	Target	150	J	ug/kg	150	J	1.0	YES	S3VE
Pyrene	Target	160	J	ug/kg	160	J	1.0	YES	S3VE
Butylbenzylphthalate	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
3,3-Dichlorobenzidine	Target	650	U	ug/kg	650	U	1.0	YES	S3VE
Benzo(a)anthracene	Target	240	J	ug/kg	240	J	1.0	YES	S3VE
Chrysene	Target	220	J	ug/kg	220	J	1.0	YES	S3VE
Bis(2-ethylhexyl)phthalate	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
Di-n-octyl phthalate	Target	650	U	ug/kg	650	U	1.0	YES	S3VE
Benzo(b)fluoranthene	Target	260	J	ug/kg	260	J	1.0	YES	S3VE
Benzo(k)fluoranthene	Target	120	J	ug/kg	120	J	1.0	YES	S3VE
Benzo(a)pyrene	Target	240	J	ug/kg	240	J	1.0	YES	S3VE
Indeno(1,2,3-cd)pyrene	Target	100	J	ug/kg	100	J	1.0	YES	S3VE
Dibenzo(a,h)anthracene	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
Benzo(g,h,i)perylene	Target	90	J	ug/kg	90	J	1.0	YES	S3VE
2,3,4,6-Tetrachlorophenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV
D-Limonene	TIC	150	JN	ug/kg	150	JN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED02A

Sample Number: BG561	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED02	pH:	Sample Date: 04/19/2021	Sample Time: 09:40:00
% Moisture:		% Solids: 50.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Chloromethane	Target	13	UJ	ug/kg	13	U	1.0	YES	S3VEM
Vinyl chloride	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Bromomethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Chloroethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	13	UJ	ug/kg	13	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	13	UJ	ug/kg	13	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	13	UJ	ug/kg	13	U	1.0	YES	S3VEM
Acetone	Target	120		ug/kg	120		1.0	YES	S3VEM
Carbon disulfide	Target	6.8	J	ug/kg	6.8	J	1.0	YES	S3VEM
Methyl Acetate	Target	13	UJ	ug/kg	13	U	1.0	YES	S3VEM
Methylene chloride	Target	20	J-	ug/kg	20		1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	13	UJ	ug/kg	13	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	13	UJ	ug/kg	13	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	13	UJ	ug/kg	13	U	1.0	YES	S3VEM
2-Butanone	Target	30		ug/kg	30		1.0	YES	S3VEM
Bromochloromethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Chloroform	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	13	UJ	ug/kg	13	U	1.0	YES	S3VEM
Cyclohexane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	13	UJ	ug/kg	13	U	1.0	YES	S3VEM
Benzene	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	13	UJ	ug/kg	13	U	1.0	YES	S3VEM
Trichloroethene	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Methylcyclohexane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Bromodichloromethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	26	U	ug/kg	26	U	1.0	YES	S3VEM
Toluene	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Tetrachloroethene	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
2-Hexanone	Target	26	U	ug/kg	26	U	1.0	YES	S3VEM
Dibromochloromethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	13	UJ	ug/kg	13	U	1.0	YES	S3VEM
Chlorobenzene	Target	13	UJ	ug/kg	13	U	1.0	YES	S3VEM
Ethylbenzene	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
o-Xylene	Target	1.8	J	ug/kg	1.8	J	1.0	YES	S3VEM
m,p-Xylene	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Styrene	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Bromoform	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Isopropylbenzene	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	13	UJ	ug/kg	13	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	13	UJ	ug/kg	13	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	13	UJ	ug/kg	13	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED02A

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	13	UJ	ug/kg	13	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	13	UJ	ug/kg	13	U	1.0	YES	S3VEM
1-Methyldecahydronaphthalene	TIC	44	JN	ug/kg	44	JN	1.0	YES	NV
Oxalic acid, bis(6-ethyloct-3-yl)	TIC	15	JN	ug/kg	15	JN	1.0	YES	NV
unknown-04	TIC	11	J	ug/kg	11	J	1.0	YES	NV
unknown-05	TIC	28	J	ug/kg	28	J	1.0	YES	NV
1,7-Dimethyl-4-(1-methylethyl)cycl	TIC	11	JN	ug/kg	11	JN	1.0	YES	NV
unknown-01	TIC	7.4	J	ug/kg	7.4	J	1.0	YES	NV
Ethanol, 2-(octyloxy)-	TIC	31	JN	ug/kg	31	JN	1.0	YES	NV
unknown-02	TIC	23	J	ug/kg	23	J	1.0	YES	NV
unknown-03	TIC	25	J	ug/kg	25	J	1.0	YES	NV
Sulfurous acid, butyl nonyl ester	TIC	14	JN	ug/kg	14	JN	1.0	YES	NV
Total Alkanes	TIC	410	BN	ug/kg	410	BN	1.0	YES	NV
1,3-Dimethylcyclopentanol	TIC	19	JN	ug/kg	19	JN	1.0	YES	NV
trans-Decalin, 2-methyl-	TIC	30	JN	ug/kg	30	JN	1.0	YES	NV
unknown-06	TIC	27	J	ug/kg	27	J	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED02B

Sample Number: BG562	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: SED02	pH:	Sample Date: 04/19/2021	Sample Time: 09:55:00
% Moisture:		% Solids: 53	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	62	U	ug/kg	62	U	1.0	YES	S3VEM
Aroclor-1221	Target	62	U	ug/kg	62	U	1.0	YES	S3VEM
Aroclor-1232	Target	62	U	ug/kg	62	U	1.0	YES	S3VEM
Aroclor-1242	Target	62	U	ug/kg	62	U	1.0	YES	S3VEM
Aroclor-1248	Target	48	J	ug/kg	48	J	1.0	YES	S3VEM
Aroclor-1254	Target	21	J	ug/kg	21	J	1.0	YES	S3VEM
Aroclor-1260	Target	62	U	ug/kg	62	U	1.0	YES	S3VEM
Aroclor-1262	Target	62	U	ug/kg	62	U	1.0	YES	S3VEM
Aroclor-1268	Target	62	U	ug/kg	62	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED02B

Sample Number: BG562	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: SED02	pH:	Sample Date: 04/19/2021	Sample Time: 09:55:00
% Moisture:		% Solids: 53	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	3.2	U	ug/kg	3.2	U	1.0	YES	S3VEM
beta-BHC	Target	3.2	U	ug/kg	3.2	U	1.0	YES	S3VEM
delta-BHC	Target	3.2	U	ug/kg	3.2	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	3.2	U	ug/kg	3.2	U	1.0	YES	S3VEM
Heptachlor	Target	3.2	U	ug/kg	3.2	U	1.0	YES	S3VEM
Aldrin	Target	3.2	U	ug/kg	3.2	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	3.2	U	ug/kg	3.2	U	1.0	YES	S3VEM
Endosulfan I	Target	3.2	U	ug/kg	3.2	U	1.0	YES	S3VEM
Dieldrin	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.81	J	ug/kg	0.81	JP	1.0	YES	S3VEM
Endrin	Target	0.80	J	ug/kg	0.80	J	1.0	YES	S3VEM
Endosulfan II	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
4,4'-DDD	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	0.36	J	ug/kg	0.36	JP	1.0	YES	S3VEM
4,4'-DDT	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
Methoxychlor	Target	32	U	ug/kg	32	U	1.0	YES	S3VEM
Endrin ketone	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
cis-Chlordane	Target	3.2	U	ug/kg	3.2	U	1.0	YES	S3VEM
trans-Chlordane	Target	3.2	U	ug/kg	3.2	U	1.0	YES	S3VEM
Toxaphene	Target	320	U	ug/kg	320	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED02B

Sample Number: BG562	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SED02	pH:	Sample Date: 04/19/2021	Sample Time: 09:55:00
% Moisture:		% Solids: 53	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	130	UJ	ug/kg	130	U	1.0	YES	S3VE
Benzaldehyde	Target	620	U	ug/kg	620	U	1.0	YES	S3VE
Phenol	Target	620	U	ug/kg	620	U	1.0	YES	S3VE
Bis(2-Chloroethyl)ether	Target	620	U	ug/kg	620	U	1.0	YES	S3VE
2-Chlorophenol	Target	320	U	ug/kg	320	U	1.0	YES	S3VE
2-Methylphenol	Target	620	U	ug/kg	620	U	1.0	YES	S3VE
2,2-oxybis(1-Chloropropane)	Target	620	U	ug/kg	620	U	1.0	YES	S3VE
Acetophenone	Target	620	U	ug/kg	620	U	1.0	YES	S3VE
4-Methylphenol	Target	620	U	ug/kg	620	U	1.0	YES	S3VE
N-Nitroso-di-n-propylamine	Target	320	U	ug/kg	320	U	1.0	YES	S3VE
Hexachloroethane	Target	320	U	ug/kg	320	U	1.0	YES	S3VE
Nitrobenzene	Target	320	U	ug/kg	320	U	1.0	YES	S3VE
Isophorone	Target	320	U	ug/kg	320	U	1.0	YES	S3VE
2-Nitrophenol	Target	320	U	ug/kg	320	U	1.0	YES	S3VE
2,4-Dimethylphenol	Target	320	U	ug/kg	320	U	1.0	YES	S3VE
Bis(2-Chloroethoxy)methane	Target	320	U	ug/kg	320	U	1.0	YES	S3VE
2,4-Dichlorophenol	Target	320	U	ug/kg	320	U	1.0	YES	S3VE
Naphthalene	Target	320	U	ug/kg	320	U	1.0	YES	S3VE
4-Chloroaniline	Target	620	U	ug/kg	620	U	1.0	YES	S3VE
Hexachlorobutadiene	Target	320	U	ug/kg	320	U	1.0	YES	S3VE
Caprolactam	Target	620	U	ug/kg	620	U	1.0	YES	S3VE
4-Chloro-3-methylphenol	Target	320	U	ug/kg	320	U	1.0	YES	S3VE
1-Methylnaphthalene	Target	320	U	ug/kg	320	U	1.0	YES	S3VE
2-Methylnaphthalene	Target	320	U	ug/kg	320	U	1.0	YES	S3VE
Hexachlorocyclopentadiene	Target	620	U	ug/kg	620	U	1.0	YES	S3VE
2,4,6-Trichlorophenol	Target	320	U	ug/kg	320	U	1.0	YES	S3VE
2,4,5-Trichlorophenol	Target	320	U	ug/kg	320	U	1.0	YES	S3VE
1,1-Biphenyl	Target	320	U	ug/kg	320	U	1.0	YES	S3VE
2-Chloronaphthalene	Target	320	U	ug/kg	320	U	1.0	YES	S3VE
2-Nitroaniline	Target	320	U	ug/kg	320	U	1.0	YES	S3VE
Dimethylphthalate	Target	74	J	ug/kg	74	J	1.0	YES	S3VE
2,6-Dinitrotoluene	Target	320	U	ug/kg	320	U	1.0	YES	S3VE
Acenaphthylene	Target	320	U	ug/kg	320	U	1.0	YES	S3VE
3-Nitroaniline	Target	620	U	ug/kg	620	U	1.0	YES	S3VE
Acenaphthene	Target	320	U	ug/kg	320	U	1.0	YES	S3VE
2,4-Dinitrophenol	Target	620	U	ug/kg	620	U	1.0	YES	S3VE
4-Nitrophenol	Target	620	U	ug/kg	620	U	1.0	YES	S3VE
Dibenzofuran	Target	320	U	ug/kg	320	U	1.0	YES	S3VE
2,4-Dinitrotoluene	Target	320	U	ug/kg	320	U	1.0	YES	S3VE
Diethylphthalate	Target	320	U	ug/kg	320	U	1.0	YES	S3VE
Fluorene	Target	320	U	ug/kg	320	U	1.0	YES	S3VE
4-Chlorophenyl-phenylether	Target	320	U	ug/kg	320	U	1.0	YES	S3VE
4-Nitroaniline	Target	620	U	ug/kg	620	U	1.0	YES	S3VE
4,6-Dinitro-2-methylphenol	Target	620	UJ	ug/kg	620	U	1.0	YES	S3VE
N-Nitrosodiphenylamine	Target	320	U	ug/kg	320	U	1.0	YES	S3VE
1,2,4,5-Tetrachlorobenzene	Target	320	U	ug/kg	320	U	1.0	YES	S3VE
4-Bromophenyl-phenylether	Target	320	U	ug/kg	320	U	1.0	YES	S3VE
Hexachlorobenzene	Target	320	U	ug/kg	320	U	1.0	YES	S3VE
Atrazine	Target	620	U	ug/kg	620	U	1.0	YES	S3VE
Pentachlorophenol	Target	620	U	ug/kg	620	U	1.0	YES	S3VE
Phenanthrene	Target	320	U	ug/kg	320	U	1.0	YES	S3VE

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED02B

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Anthracene	Target	320	U	ug/kg	320	U	1.0	YES	S3VE
Carbazole	Target	620	U	ug/kg	620	U	1.0	YES	S3VE
Di-n-butylphthalate	Target	320	U	ug/kg	320	U	1.0	YES	S3VE
Fluoranthene	Target	320	U	ug/kg	320	U	1.0	YES	S3VE
Pyrene	Target	320	U	ug/kg	320	U	1.0	YES	S3VE
Butylbenzylphthalate	Target	320	U	ug/kg	320	U	1.0	YES	S3VE
3,3-Dichlorobenzidine	Target	620	U	ug/kg	620	U	1.0	YES	S3VE
Benzo(a)anthracene	Target	320	U	ug/kg	320	U	1.0	YES	S3VE
Chrysene	Target	320	U	ug/kg	320	U	1.0	YES	S3VE
Bis(2-ethylhexyl)phthalate	Target	98	J	ug/kg	98	J	1.0	YES	S3VE
Di-n-octyl phthalate	Target	620	U	ug/kg	620	U	1.0	YES	S3VE
Benzo(b)fluoranthene	Target	320	U	ug/kg	320	U	1.0	YES	S3VE
Benzo(k)fluoranthene	Target	320	U	ug/kg	320	U	1.0	YES	S3VE
Benzo(a)pyrene	Target	320	U	ug/kg	320	U	1.0	YES	S3VE
Indeno(1,2,3-cd)pyrene	Target	320	U	ug/kg	320	U	1.0	YES	S3VE
Dibenzo(a,h)anthracene	Target	320	U	ug/kg	320	U	1.0	YES	S3VE
Benzo(g,h,i)perylene	Target	320	U	ug/kg	320	U	1.0	YES	S3VE
2,3,4,6-Tetrachlorophenol	Target	320	U	ug/kg	320	U	1.0	YES	S3VE
Total Alkanes	TIC	130	N	ug/kg	130	N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED02B

Sample Number: BG562	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED02	pH:	Sample Date: 04/19/2021	Sample Time: 09:55:00
% Moisture:		% Solids: 53	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
Chloromethane	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
Vinyl chloride	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
Bromomethane	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
Chloroethane	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	9.4	UJ	ug/kg	9.4	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
Acetone	Target	55		ug/kg	55		1.0	YES	S3VEM
Carbon disulfide	Target	5.3	J	ug/kg	5.3	J	1.0	YES	S3VEM
Methyl Acetate	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
Methylene chloride	Target	15		ug/kg	15		1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	9.4	UJ	ug/kg	9.4	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	9.4	UJ	ug/kg	9.4	U	1.0	YES	S3VEM
2-Butanone	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
Bromochloromethane	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
Chloroform	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
Cyclohexane	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
Benzene	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
Trichloroethene	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
Methylcyclohexane	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
Bromodichloromethane	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
Toluene	Target	9.4	U	ug/kg	1.2	JB	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
Tetrachloroethene	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
2-Hexanone	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
Dibromochloromethane	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
Chlorobenzene	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
Ethylbenzene	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
o-Xylene	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
m,p-Xylene	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
Styrene	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
Bromoform	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
Isopropylbenzene	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED02B

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
2-Piperidinone, N-[4-bromo-n-butyl	TIC	100	JN	ug/kg	100	JN	1.0	YES	NV
Heptacosane, 1-chloro-	TIC	190	JN	ug/kg	190	JN	1.0	YES	NV
Oxalic acid, cyclohexylmethyl decy	TIC	150	JN	ug/kg	150	JN	1.0	YES	NV
unknown-01	TIC	110	J	ug/kg	110	J	1.0	YES	NV
Oxalic acid, cyclohexylmethyl nony	TIC	100	JN	ug/kg	100	JN	1.0	YES	NV
Sulfurous acid, decyl 2-pentyl est	TIC	97	JN	ug/kg	97	JN	1.0	YES	NV
1H-Indene, 2,3-dihydro-1,1,2,3,3-p	TIC	320	JN	ug/kg	320	JN	1.0	YES	NV
Benzene, 1-(1,1-dimethylethyl)-3-m	TIC	320	JN	ug/kg	320	JN	1.0	YES	NV
Oxalic acid, butyl 6-ethyloct-3-yl	TIC	89	JN	ug/kg	89	JN	1.0	YES	NV
unknown-02	TIC	84	J	ug/kg	84	J	1.0	YES	NV
Total Alkanes	TIC	5000	BN	ug/kg	5000	BN	1.0	YES	NV
Sulfurous acid, cyclohexylmethyl o	TIC	110	JN	ug/kg	110	JN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED02C

Sample Number: BG563	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: SED02	pH:	Sample Date: 04/19/2021	Sample Time: 10:10:00
% Moisture:		% Solids: 71.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	46	U	ug/kg	46	U	1.0	YES	S3VEM
Aroclor-1221	Target	46	U	ug/kg	46	U	1.0	YES	S3VEM
Aroclor-1232	Target	46	U	ug/kg	46	U	1.0	YES	S3VEM
Aroclor-1242	Target	46	U	ug/kg	46	U	1.0	YES	S3VEM
Aroclor-1248	Target	9.3	J	ug/kg	9.3	JP	1.0	YES	S3VEM
Aroclor-1254	Target	46	U	ug/kg	46	U	1.0	YES	S3VEM
Aroclor-1260	Target	46	U	ug/kg	46	U	1.0	YES	S3VEM
Aroclor-1262	Target	46	U	ug/kg	46	U	1.0	YES	S3VEM
Aroclor-1268	Target	46	U	ug/kg	46	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED02C

Sample Number: BG563	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: SED02	pH:	Sample Date: 04/19/2021	Sample Time: 10:10:00
% Moisture:		% Solids: 71.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	2.4	U	ug/kg	2.4	U	1.0	YES	S3VEM
beta-BHC	Target	2.4	U	ug/kg	2.4	U	1.0	YES	S3VEM
delta-BHC	Target	2.4	U	ug/kg	2.4	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	2.4	U	ug/kg	2.4	U	1.0	YES	S3VEM
Heptachlor	Target	2.4	U	ug/kg	2.4	U	1.0	YES	S3VEM
Aldrin	Target	2.4	U	ug/kg	2.4	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	2.4	U	ug/kg	2.4	U	1.0	YES	S3VEM
Endosulfan I	Target	2.4	U	ug/kg	2.4	U	1.0	YES	S3VEM
Dieldrin	Target	4.6	U	ug/kg	4.6	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.30	J	ug/kg	0.30	JP	1.0	YES	S3VEM
Endrin	Target	4.6	U	ug/kg	4.6	U	1.0	YES	S3VEM
Endosulfan II	Target	4.6	U	ug/kg	4.6	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.82	J	ug/kg	0.82	JP	1.0	YES	S3VEM
Endosulfan Sulfate	Target	4.6	U	ug/kg	4.6	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.36	J	ug/kg	0.36	JP	1.0	YES	S3VEM
Methoxychlor	Target	24	U	ug/kg	24	U	1.0	YES	S3VEM
Endrin ketone	Target	4.6	U	ug/kg	4.6	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	4.6	U	ug/kg	4.6	U	1.0	YES	S3VEM
cis-Chlordane	Target	2.4	U	ug/kg	2.4	U	1.0	YES	S3VEM
trans-Chlordane	Target	2.4	U	ug/kg	2.4	U	1.0	YES	S3VEM
Toxaphene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED02C

Sample Number: BG563	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SED02	pH:	Sample Date: 04/19/2021	Sample Time: 10:10:00
% Moisture:		% Solids: 71.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	93	UJ	ug/kg	93	U	1.0	YES	S3VE
Benzaldehyde	Target	460	U	ug/kg	460	U	1.0	YES	S3VE
Phenol	Target	63	J	ug/kg	63	J	1.0	YES	S3VE
Bis(2-Chloroethyl)ether	Target	460	U	ug/kg	460	U	1.0	YES	S3VE
2-Chlorophenol	Target	240	U	ug/kg	240	U	1.0	YES	S3VE
2-Methylphenol	Target	460	U	ug/kg	460	U	1.0	YES	S3VE
2,2-oxybis(1-Chloropropane)	Target	460	U	ug/kg	460	U	1.0	YES	S3VE
Acetophenone	Target	460	U	ug/kg	460	U	1.0	YES	S3VE
4-Methylphenol	Target	460	U	ug/kg	460	U	1.0	YES	S3VE
N-Nitroso-di-n-propylamine	Target	240	U	ug/kg	240	U	1.0	YES	S3VE
Hexachloroethane	Target	240	U	ug/kg	240	U	1.0	YES	S3VE
Nitrobenzene	Target	240	U	ug/kg	240	U	1.0	YES	S3VE
Isophorone	Target	240	U	ug/kg	240	U	1.0	YES	S3VE
2-Nitrophenol	Target	240	U	ug/kg	240	U	1.0	YES	S3VE
2,4-Dimethylphenol	Target	240	U	ug/kg	240	U	1.0	YES	S3VE
Bis(2-Chloroethoxy)methane	Target	240	U	ug/kg	240	U	1.0	YES	S3VE
2,4-Dichlorophenol	Target	240	U	ug/kg	240	U	1.0	YES	S3VE
Naphthalene	Target	240	U	ug/kg	240	U	1.0	YES	S3VE
4-Chloroaniline	Target	460	U	ug/kg	460	U	1.0	YES	S3VE
Hexachlorobutadiene	Target	240	U	ug/kg	240	U	1.0	YES	S3VE
Caprolactam	Target	460	U	ug/kg	460	U	1.0	YES	S3VE
4-Chloro-3-methylphenol	Target	240	U	ug/kg	240	U	1.0	YES	S3VE
1-Methylnaphthalene	Target	240	U	ug/kg	240	U	1.0	YES	S3VE
2-Methylnaphthalene	Target	240	U	ug/kg	240	U	1.0	YES	S3VE
Hexachlorocyclopentadiene	Target	460	U	ug/kg	460	U	1.0	YES	S3VE
2,4,6-Trichlorophenol	Target	240	U	ug/kg	240	U	1.0	YES	S3VE
2,4,5-Trichlorophenol	Target	240	U	ug/kg	240	U	1.0	YES	S3VE
1,1-Biphenyl	Target	240	U	ug/kg	240	U	1.0	YES	S3VE
2-Chloronaphthalene	Target	240	U	ug/kg	240	U	1.0	YES	S3VE
2-Nitroaniline	Target	240	U	ug/kg	240	U	1.0	YES	S3VE
Dimethylphthalate	Target	250		ug/kg	250		1.0	YES	S3VE
2,6-Dinitrotoluene	Target	240	U	ug/kg	240	U	1.0	YES	S3VE
Acenaphthylene	Target	240	U	ug/kg	240	U	1.0	YES	S3VE
3-Nitroaniline	Target	460	U	ug/kg	460	U	1.0	YES	S3VE
Acenaphthene	Target	240	U	ug/kg	240	U	1.0	YES	S3VE
2,4-Dinitrophenol	Target	460	U	ug/kg	460	U	1.0	YES	S3VE
4-Nitrophenol	Target	460	U	ug/kg	460	U	1.0	YES	S3VE
Dibenzofuran	Target	240	U	ug/kg	240	U	1.0	YES	S3VE
2,4-Dinitrotoluene	Target	240	U	ug/kg	240	U	1.0	YES	S3VE
Diethylphthalate	Target	240	U	ug/kg	240	U	1.0	YES	S3VE
Fluorene	Target	240	U	ug/kg	240	U	1.0	YES	S3VE
4-Chlorophenyl-phenylether	Target	240	U	ug/kg	240	U	1.0	YES	S3VE
4-Nitroaniline	Target	460	U	ug/kg	460	U	1.0	YES	S3VE
4,6-Dinitro-2-methylphenol	Target	460	U	ug/kg	460	U	1.0	YES	S3VE
N-Nitrosodiphenylamine	Target	240	U	ug/kg	240	U	1.0	YES	S3VE
1,2,4,5-Tetrachlorobenzene	Target	240	U	ug/kg	240	U	1.0	YES	S3VE
4-Bromophenyl-phenylether	Target	240	U	ug/kg	240	U	1.0	YES	S3VE
Hexachlorobenzene	Target	240	U	ug/kg	240	U	1.0	YES	S3VE
Atrazine	Target	460	U	ug/kg	460	U	1.0	YES	S3VE
Pentachlorophenol	Target	460	U	ug/kg	460	U	1.0	YES	S3VE
Phenanthrene	Target	240	U	ug/kg	240	U	1.0	YES	S3VE
Anthracene	Target	240	U	ug/kg	240	U	1.0	YES	S3VE
Carbazole	Target	460	U	ug/kg	460	U	1.0	YES	S3VE

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED02C

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	240	U	ug/kg	240	U	1.0	YES	S3VE
Fluoranthene	Target	71	J	ug/kg	71	J	1.0	YES	S3VE
Pyrene	Target	90	J	ug/kg	90	J	1.0	YES	S3VE
Butylbenzylphthalate	Target	240	U	ug/kg	240	U	1.0	YES	S3VE
3,3-Dichlorobenzidine	Target	460	U	ug/kg	460	U	1.0	YES	S3VE
Benzo(a)anthracene	Target	51	J	ug/kg	51	J	1.0	YES	S3VE
Chrysene	Target	94	J	ug/kg	94	J	1.0	YES	S3VE
Bis(2-ethylhexyl)phthalate	Target	240	U	ug/kg	240	U	1.0	YES	S3VE
Di-n-octyl phthalate	Target	460	U	ug/kg	460	U	1.0	YES	S3VE
Benzo(b)fluoranthene	Target	88	J	ug/kg	88	J	1.0	YES	S3VE
Benzo(k)fluoranthene	Target	240	U	ug/kg	240	U	1.0	YES	S3VE
Benzo(a)pyrene	Target	62	J	ug/kg	62	J	1.0	YES	S3VE
Indeno(1,2,3-cd)pyrene	Target	240	U	ug/kg	240	U	1.0	YES	S3VE
Dibenzo(a,h)anthracene	Target	240	U	ug/kg	240	U	1.0	YES	S3VE
Benzo(g,h,i)perylene	Target	240	U	ug/kg	240	U	1.0	YES	S3VE
2,3,4,6-Tetrachlorophenol	Target	240	U	ug/kg	240	U	1.0	YES	S3VE
Sulfurous acid, octadecyl 2-propyl	TIC	110	JN	ug/kg	110	JN	1.0	YES	NV
Total Alkanes	TIC	810	N	ug/kg	810	N	1.0	YES	NV
2-Bromo dodecane	TIC	340	JN	ug/kg	340	JN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED02C

Sample Number: BG563	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED02	pH:	Sample Date: 04/19/2021	Sample Time: 10:10:00
% Moisture:		% Solids: 71.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	8.7	U	ug/kg	8.7	U	1.0	YES	S3VEM
Chloromethane	Target	8.7	UJ	ug/kg	8.7	U	1.0	YES	S3VEM
Vinyl chloride	Target	8.7	U	ug/kg	8.7	U	1.0	YES	S3VEM
Bromomethane	Target	8.7	U	ug/kg	8.7	U	1.0	YES	S3VEM
Chloroethane	Target	8.7	U	ug/kg	8.7	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	8.7	U	ug/kg	8.7	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	8.7	UJ	ug/kg	8.7	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	8.7	U	ug/kg	8.7	U	1.0	YES	S3VEM
Acetone	Target	84		ug/kg	84		1.0	YES	S3VEM
Carbon disulfide	Target	4.6	J	ug/kg	4.6	J	1.0	YES	S3VEM
Methyl Acetate	Target	8.7	U	ug/kg	8.7	U	1.0	YES	S3VEM
Methylene chloride	Target	14		ug/kg	14		1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	8.7	UJ	ug/kg	8.7	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	8.7	U	ug/kg	8.7	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	8.7	U	ug/kg	8.7	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	8.7	UJ	ug/kg	8.7	U	1.0	YES	S3VEM
2-Butanone	Target	17	U	ug/kg	17	U	1.0	YES	S3VEM
Bromochloromethane	Target	8.7	U	ug/kg	8.7	U	1.0	YES	S3VEM
Chloroform	Target	8.7	U	ug/kg	8.7	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	8.7	U	ug/kg	8.7	U	1.0	YES	S3VEM
Cyclohexane	Target	8.7	U	ug/kg	8.7	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	8.7	U	ug/kg	8.7	U	1.0	YES	S3VEM
Benzene	Target	8.7	U	ug/kg	8.7	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	8.7	U	ug/kg	8.7	U	1.0	YES	S3VEM
Trichloroethene	Target	8.7	U	ug/kg	8.7	U	1.0	YES	S3VEM
Methylcyclohexane	Target	8.7	U	ug/kg	8.7	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	8.7	U	ug/kg	8.7	U	1.0	YES	S3VEM
Bromodichloromethane	Target	8.7	U	ug/kg	8.7	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	8.7	U	ug/kg	8.7	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	17	U	ug/kg	17	U	1.0	YES	S3VEM
Toluene	Target	8.7	U	ug/kg	8.7	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	8.7	U	ug/kg	8.7	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	8.7	U	ug/kg	8.7	U	1.0	YES	S3VEM
Tetrachloroethene	Target	8.7	U	ug/kg	8.7	U	1.0	YES	S3VEM
2-Hexanone	Target	17	U	ug/kg	17	U	1.0	YES	S3VEM
Dibromochloromethane	Target	8.7	U	ug/kg	8.7	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	8.7	U	ug/kg	8.7	U	1.0	YES	S3VEM
Chlorobenzene	Target	8.7	U	ug/kg	8.7	U	1.0	YES	S3VEM
Ethylbenzene	Target	8.7	U	ug/kg	8.7	U	1.0	YES	S3VEM
o-Xylene	Target	8.7	U	ug/kg	8.7	U	1.0	YES	S3VEM
m,p-Xylene	Target	8.7	U	ug/kg	8.7	U	1.0	YES	S3VEM
Styrene	Target	8.7	U	ug/kg	8.7	U	1.0	YES	S3VEM
Bromoform	Target	8.7	U	ug/kg	8.7	U	1.0	YES	S3VEM
Isopropylbenzene	Target	8.7	U	ug/kg	8.7	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	8.7	U	ug/kg	8.7	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	8.7	U	ug/kg	8.7	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	8.7	U	ug/kg	8.7	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	8.7	U	ug/kg	8.7	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	8.7	U	ug/kg	8.7	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	8.7	U	ug/kg	8.7	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	8.7	U	ug/kg	8.7	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	8.7	U	ug/kg	8.7	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED02C

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	8.7	U	ug/kg	8.7	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	8.7	U	ug/kg	8.7	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV
.beta.-Pinene	TIC	9.7	JN	ug/kg	9.7	JN	1.0	YES	NV
1H-Indene, octahydro-2,2,4,4,7,7-h	TIC	24	JN	ug/kg	24	JN	1.0	YES	NV
Dimethyl sulfide	TIC	6	JN	ug/kg	6	JN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED03A

Sample Number: BG564	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: SED03	pH:	Sample Date: 04/19/2021	Sample Time: 11:10:00
% Moisture:		% Solids: 49.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	66	U	ug/kg	66	U	1.0	YES	S3VEM
Aroclor-1221	Target	66	U	ug/kg	66	U	1.0	YES	S3VEM
Aroclor-1232	Target	66	U	ug/kg	66	U	1.0	YES	S3VEM
Aroclor-1242	Target	66	U	ug/kg	66	U	1.0	YES	S3VEM
Aroclor-1248	Target	66	U	ug/kg	66	U	1.0	YES	S3VEM
Aroclor-1254	Target	66	U	ug/kg	66	U	1.0	YES	S3VEM
Aroclor-1260	Target	66	U	ug/kg	66	U	1.0	YES	S3VEM
Aroclor-1262	Target	66	U	ug/kg	66	U	1.0	YES	S3VEM
Aroclor-1268	Target	66	U	ug/kg	66	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED03A

Sample Number: BG564	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: SED03	pH:	Sample Date: 04/19/2021	Sample Time: 11:10:00
% Moisture:		% Solids: 49.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	3.4	U	ug/kg	3.4	U	1.0	YES	S3VEM
beta-BHC	Target	3.4	U	ug/kg	3.4	U	1.0	YES	S3VEM
delta-BHC	Target	3.4	U	ug/kg	3.4	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	3.4	U	ug/kg	3.4	U	1.0	YES	S3VEM
Heptachlor	Target	3.4	U	ug/kg	3.4	U	1.0	YES	S3VEM
Aldrin	Target	3.4	U	ug/kg	3.4	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	3.4	U	ug/kg	3.4	U	1.0	YES	S3VEM
Endosulfan I	Target	3.4	U	ug/kg	3.4	U	1.0	YES	S3VEM
Dieldrin	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S3VEM
4,4'-DDE	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S3VEM
Endrin	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S3VEM
Endosulfan II	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S3VEM
4,4'-DDD	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S3VEM
4,4'-DDT	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S3VEM
Methoxychlor	Target	34	U	ug/kg	34	U	1.0	YES	S3VEM
Endrin ketone	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	6.6	U	ug/kg	6.6	U	1.0	YES	S3VEM
cis-Chlordane	Target	3.4	U	ug/kg	3.4	U	1.0	YES	S3VEM
trans-Chlordane	Target	3.4	U	ug/kg	3.4	U	1.0	YES	S3VEM
Toxaphene	Target	340	U	ug/kg	340	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED03A

Sample Number: BG564	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SED03	pH:	Sample Date: 04/19/2021	Sample Time: 11:10:00
% Moisture:		% Solids: 49.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	130	UJ	ug/kg	130	U	1.0	YES	S3VE
Benzaldehyde	Target	660	U	ug/kg	660	U	1.0	YES	S3VE
Phenol	Target	660	U	ug/kg	660	U	1.0	YES	S3VE
Bis(2-Chloroethyl)ether	Target	660	U	ug/kg	660	U	1.0	YES	S3VE
2-Chlorophenol	Target	340	U	ug/kg	340	U	1.0	YES	S3VE
2-Methylphenol	Target	660	U	ug/kg	660	U	1.0	YES	S3VE
2,2-oxybis(1-Chloropropane)	Target	660	U	ug/kg	660	U	1.0	YES	S3VE
Acetophenone	Target	660	U	ug/kg	660	U	1.0	YES	S3VE
4-Methylphenol	Target	660	U	ug/kg	660	U	1.0	YES	S3VE
N-Nitroso-di-n-propylamine	Target	340	U	ug/kg	340	U	1.0	YES	S3VE
Hexachloroethane	Target	340	U	ug/kg	340	U	1.0	YES	S3VE
Nitrobenzene	Target	340	U	ug/kg	340	U	1.0	YES	S3VE
Isophorone	Target	340	U	ug/kg	340	U	1.0	YES	S3VE
2-Nitrophenol	Target	340	U	ug/kg	340	U	1.0	YES	S3VE
2,4-Dimethylphenol	Target	340	U	ug/kg	340	U	1.0	YES	S3VE
Bis(2-Chloroethoxy)methane	Target	340	U	ug/kg	340	U	1.0	YES	S3VE
2,4-Dichlorophenol	Target	340	U	ug/kg	340	U	1.0	YES	S3VE
Naphthalene	Target	340	U	ug/kg	340	U	1.0	YES	S3VE
4-Chloroaniline	Target	660	U	ug/kg	660	U	1.0	YES	S3VE
Hexachlorobutadiene	Target	340	U	ug/kg	340	U	1.0	YES	S3VE
Caprolactam	Target	660	U	ug/kg	660	U	1.0	YES	S3VE
4-Chloro-3-methylphenol	Target	340	U	ug/kg	340	U	1.0	YES	S3VE
1-Methylnaphthalene	Target	340	U	ug/kg	340	U	1.0	YES	S3VE
2-Methylnaphthalene	Target	340	U	ug/kg	340	U	1.0	YES	S3VE
Hexachlorocyclopentadiene	Target	660	U	ug/kg	660	U	1.0	YES	S3VE
2,4,6-Trichlorophenol	Target	340	U	ug/kg	340	U	1.0	YES	S3VE
2,4,5-Trichlorophenol	Target	340	U	ug/kg	340	U	1.0	YES	S3VE
1,1-Biphenyl	Target	340	U	ug/kg	340	U	1.0	YES	S3VE
2-Chloronaphthalene	Target	340	U	ug/kg	340	U	1.0	YES	S3VE
2-Nitroaniline	Target	340	UJ	ug/kg	340	U	1.0	YES	S3VE
Dimethylphthalate	Target	150	J	ug/kg	150	J	1.0	YES	S3VE
2,6-Dinitrotoluene	Target	340	U	ug/kg	340	U	1.0	YES	S3VE
Acenaphthylene	Target	340	U	ug/kg	340	U	1.0	YES	S3VE
3-Nitroaniline	Target	660	UJ	ug/kg	660	U	1.0	YES	S3VE
Acenaphthene	Target	340	U	ug/kg	340	U	1.0	YES	S3VE
2,4-Dinitrophenol	Target	660	UJ	ug/kg	660	U	1.0	YES	S3VE
4-Nitrophenol	Target	660	UJ	ug/kg	660	U	1.0	YES	S3VE
Dibenzofuran	Target	340	U	ug/kg	340	U	1.0	YES	S3VE
2,4-Dinitrotoluene	Target	340	U	ug/kg	340	U	1.0	YES	S3VE
Diethylphthalate	Target	340	U	ug/kg	340	U	1.0	YES	S3VE
Fluorene	Target	340	U	ug/kg	340	U	1.0	YES	S3VE
4-Chlorophenyl-phenylether	Target	340	U	ug/kg	340	U	1.0	YES	S3VE
4-Nitroaniline	Target	660	UJ	ug/kg	660	U	1.0	YES	S3VE
4,6-Dinitro-2-methylphenol	Target	660	UJ	ug/kg	660	U	1.0	YES	S3VE
N-Nitrosodiphenylamine	Target	340	U	ug/kg	340	U	1.0	YES	S3VE
1,2,4,5-Tetrachlorobenzene	Target	340	U	ug/kg	340	U	1.0	YES	S3VE
4-Bromophenyl-phenylether	Target	340	U	ug/kg	340	U	1.0	YES	S3VE
Hexachlorobenzene	Target	340	U	ug/kg	340	U	1.0	YES	S3VE
Atrazine	Target	660	U	ug/kg	660	U	1.0	YES	S3VE
Pentachlorophenol	Target	660	U	ug/kg	660	U	1.0	YES	S3VE
Phenanthrene	Target	340	U	ug/kg	340	U	1.0	YES	S3VE

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED03A

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Anthracene	Target	340	U	ug/kg	340	U	1.0	YES	S3VE
Carbazole	Target	660	U	ug/kg	660	U	1.0	YES	S3VE
Di-n-butylphthalate	Target	340	U	ug/kg	340	U	1.0	YES	S3VE
Fluoranthene	Target	340	U	ug/kg	340	U	1.0	YES	S3VE
Pyrene	Target	340	U	ug/kg	340	U	1.0	YES	S3VE
Butylbenzylphthalate	Target	340	U	ug/kg	340	U	1.0	YES	S3VE
3,3-Dichlorobenzidine	Target	660	U	ug/kg	660	U	1.0	YES	S3VE
Benzo(a)anthracene	Target	340	U	ug/kg	340	U	1.0	YES	S3VE
Chrysene	Target	340	U	ug/kg	340	U	1.0	YES	S3VE
Bis(2-ethylhexyl)phthalate	Target	340	U	ug/kg	340	U	1.0	YES	S3VE
Di-n-octyl phthalate	Target	660	U	ug/kg	660	U	1.0	YES	S3VE
Benzo(b)fluoranthene	Target	340	U	ug/kg	340	U	1.0	YES	S3VE
Benzo(k)fluoranthene	Target	340	U	ug/kg	340	U	1.0	YES	S3VE
Benzo(a)pyrene	Target	340	U	ug/kg	340	U	1.0	YES	S3VE
Indeno(1,2,3-cd)pyrene	Target	340	U	ug/kg	340	U	1.0	YES	S3VE
Dibenzo(a,h)anthracene	Target	340	U	ug/kg	340	U	1.0	YES	S3VE
Benzo(g,h,i)perylene	Target	340	U	ug/kg	340	U	1.0	YES	S3VE
2,3,4,6-Tetrachlorophenol	Target	340	U	ug/kg	340	U	1.0	YES	S3VE
Total Alkanes	TIC	680	N	ug/kg	680	N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED03A

Sample Number: BG564	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED03	pH:	Sample Date: 04/19/2021	Sample Time: 11:10:00
% Moisture:		% Solids: 49.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Chloromethane	Target	13	UJ	ug/kg	13	U	1.0	YES	S3VEM
Vinyl chloride	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Bromomethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Chloroethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	13	UJ	ug/kg	13	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Acetone	Target	140		ug/kg	140		1.0	YES	S3VEM
Carbon disulfide	Target	7.7	J	ug/kg	7.7	J	1.0	YES	S3VEM
Methyl Acetate	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Methylene chloride	Target	23		ug/kg	23		1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	13	UJ	ug/kg	13	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	13	UJ	ug/kg	13	U	1.0	YES	S3VEM
2-Butanone	Target	28		ug/kg	28		1.0	YES	S3VEM
Bromochloromethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Chloroform	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Cyclohexane	Target	3	J	ug/kg	3	J	1.0	YES	S3VEM
Carbon tetrachloride	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Benzene	Target	2.3	J	ug/kg	2.3	J	1.0	YES	S3VEM
1,2-Dichloroethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Trichloroethene	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Methylcyclohexane	Target	17		ug/kg	17		1.0	YES	S3VEM
1,2-Dichloropropane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Bromodichloromethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	26	U	ug/kg	26	U	1.0	YES	S3VEM
Toluene	Target	13	U	ug/kg	1.7	JB	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Tetrachloroethene	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
2-Hexanone	Target	26	U	ug/kg	26	U	1.0	YES	S3VEM
Dibromochloromethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Chlorobenzene	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Ethylbenzene	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
o-Xylene	Target	4.4	J	ug/kg	4.4	J	1.0	YES	S3VEM
m,p-Xylene	Target	1.9	J	ug/kg	1.9	J	1.0	YES	S3VEM
Styrene	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Bromoform	Target	13	UJ	ug/kg	13	U	1.0	YES	S3VEM
Isopropylbenzene	Target	13	UJ	ug/kg	13	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	13	UJ	ug/kg	13	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	13	UJ	ug/kg	13	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	13	UJ	ug/kg	13	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	13	UJ	ug/kg	13	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	13	UJ	ug/kg	13	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	13	UJ	ug/kg	13	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED03A

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	13	UJ	ug/kg	13	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	13	UJ	ug/kg	13	U	1.0	YES	S3VEM
unknown-07	TIC	100	J	ug/kg	100	J	1.0	YES	NV
Piperidine	TIC	11	JN	ug/kg	11	JN	1.0	YES	NV
Naphthalene, decahydro-2-methyl-	TIC	170	JN	ug/kg	170	JN	1.0	YES	NV
2,3,4-Trimethyl-hex-3-enal	TIC	19	JN	ug/kg	19	JN	1.0	YES	NV
Benzene, 1-ethyl-2,3-dimethyl-	TIC	130	JN	ug/kg	130	JN	1.0	YES	NV
Cyclohexane, 2-propenyl-	TIC	220	JN	ug/kg	220	JN	1.0	YES	NV
Cyclohexanone, 3-butyl-	TIC	60	JN	ug/kg	60	JN	1.0	YES	NV
Bacchotricuneatin c	TIC	180	JN	ug/kg	180	JN	1.0	YES	NV
Oxalic acid, monoamide, N-cyclohep	TIC	190	JN	ug/kg	190	JN	1.0	YES	NV
unknown-04	TIC	49	J	ug/kg	49	J	1.0	YES	NV
unknown-08	TIC	52	J	ug/kg	52	J	1.0	YES	NV
unknown-03	TIC	34	J	ug/kg	34	J	1.0	YES	NV
Oxalic acid, bis(6-ethyloct-3-yl)	TIC	28	JN	ug/kg	28	JN	1.0	YES	NV
1-Methyldecahydronaphthalene	TIC	110	JN	ug/kg	110	JN	1.0	YES	NV
unknown-09	TIC	89	J	ug/kg	89	J	1.0	YES	NV
unknown-02	TIC	45	J	ug/kg	45	J	1.0	YES	NV
Total Alkanes	TIC	1500	BN	ug/kg	1500	BN	1.0	YES	NV
unknown-06	TIC	47	J	ug/kg	47	J	1.0	YES	NV
unknown-01	TIC	7.6	J	ug/kg	7.6	J	1.0	YES	NV
unknown-05	TIC	100	J	ug/kg	100	J	1.0	YES	NV
Heptanedioic acid, 4-methyl-, dime	TIC	40	JN	ug/kg	40	JN	1.0	YES	NV
Carbonic acid, isobutyl 2-ethylhex	TIC	120	JN	ug/kg	120	JN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Sample Number: BG564ME	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED03	pH:	Sample Date: 04/19/2021	Sample Time: 11:10:00
% Moisture:		% Solids: 49.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Chloromethane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Vinyl chloride	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Bromomethane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Chloroethane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Trichlorofluoromethane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,1-Dichloroethene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Acetone	Target	2400	U	ug/kg	2400	U	1.0	NO	S3VEM
Carbon disulfide	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Methyl Acetate	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Methylene chloride	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
trans-1,2-Dichloroethene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Methyl tert-butyl Ether	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,1-Dichloroethane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
cis-1,2-Dichloroethene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
2-Butanone	Target	2400	U	ug/kg	2400	U	1.0	NO	S3VEM
Bromochloromethane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Chloroform	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,1,1-Trichloroethane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Cyclohexane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Carbon tetrachloride	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Benzene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,2-Dichloroethane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Trichloroethene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Methylcyclohexane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,2-Dichloropropane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Bromodichloromethane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
cis-1,3-Dichloropropene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
4-Methyl-2-pentanone	Target	2400	U	ug/kg	2400	U	1.0	NO	S3VEM
Toluene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
trans-1,3-Dichloropropene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,1,2-Trichloroethane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Tetrachloroethene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
2-Hexanone	Target	2400	U	ug/kg	2400	U	1.0	NO	S3VEM
Dibromochloromethane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,2-Dibromoethane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Chlorobenzene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Ethylbenzene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
o-Xylene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
m,p-Xylene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Styrene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Bromoform	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Isopropylbenzene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,2,3-Trichloropropane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,1,2,2-Tetrachloroethane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,3-Dichlorobenzene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,4-Dichlorobenzene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,2-Dichlorobenzene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,2-Dibromo-3-chloropropane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,2,4-Trimethylbenzene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,3,5-Trimethylbenzene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,2,3-Trichlorobenzene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	NO	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project | **GroupID: 49391/68HERH20D0011/BG4Z8** | **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED03B

Sample Number: BG565	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: SED03	pH:	Sample Date: 04/19/2021	Sample Time: 11:25:00
% Moisture:		% Solids: 33.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	99	U	ug/kg	99	U	1.0	YES	S3VEM
Aroclor-1221	Target	99	U	ug/kg	99	U	1.0	YES	S3VEM
Aroclor-1232	Target	99	U	ug/kg	99	U	1.0	YES	S3VEM
Aroclor-1242	Target	99	U	ug/kg	99	U	1.0	YES	S3VEM
Aroclor-1248	Target	39	J	ug/kg	39	J	1.0	YES	S3VEM
Aroclor-1254	Target	26	J	ug/kg	26	J	1.0	YES	S3VEM
Aroclor-1260	Target	99	U	ug/kg	99	U	1.0	YES	S3VEM
Aroclor-1262	Target	99	U	ug/kg	99	U	1.0	YES	S3VEM
Aroclor-1268	Target	99	U	ug/kg	99	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project | **GroupID: 49391/68HERH20D0011/BG4Z8** | **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED03B

Sample Number: BG565	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: SED03	pH:	Sample Date: 04/19/2021	Sample Time: 11:25:00
% Moisture:		% Solids: 33.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	5.1	U	ug/kg	5.1	U	1.0	YES	S3VEM
beta-BHC	Target	5.1	U	ug/kg	5.1	U	1.0	YES	S3VEM
delta-BHC	Target	5.1	U	ug/kg	5.1	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	5.1	U	ug/kg	5.1	U	1.0	YES	S3VEM
Heptachlor	Target	5.1	U	ug/kg	5.1	U	1.0	YES	S3VEM
Aldrin	Target	5.1	U	ug/kg	5.1	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	5.1	U	ug/kg	5.1	U	1.0	YES	S3VEM
Endosulfan I	Target	5.1	U	ug/kg	5.1	U	1.0	YES	S3VEM
Dieldrin	Target	0.86	NJ	ug/kg	0.86	JP	1.0	YES	S3VEM
4,4'-DDE	Target	1.6	NJ	ug/kg	1.6	JP	1.0	YES	S3VEM
Endrin	Target	1.0	J	ug/kg	1.0	J	1.0	YES	S3VEM
Endosulfan II	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.53	J	ug/kg	0.53	JP	1.0	YES	S3VEM
Endosulfan Sulfate	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
4,4'-DDT	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Methoxychlor	Target	51	U	ug/kg	51	U	1.0	YES	S3VEM
Endrin ketone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.43	J	ug/kg	0.43	JP	1.0	YES	S3VEM
trans-Chlordane	Target	0.65	J	ug/kg	0.65	JP	1.0	YES	S3VEM
Toxaphene	Target	510	U	ug/kg	510	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED03B

Sample Number: BG565	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SED03	pH:	Sample Date: 04/19/2021	Sample Time: 11:25:00
% Moisture:		% Solids: 33.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	200	UJ	ug/kg	200	U	1.0	YES	S3VE
Benzaldehyde	Target	990	U	ug/kg	990	U	1.0	YES	S3VE
Phenol	Target	990	U	ug/kg	990	U	1.0	YES	S3VE
Bis(2-Chloroethyl)ether	Target	990	U	ug/kg	990	U	1.0	YES	S3VE
2-Chlorophenol	Target	510	U	ug/kg	510	U	1.0	YES	S3VE
2-Methylphenol	Target	990	U	ug/kg	990	U	1.0	YES	S3VE
2,2-oxybis(1-Chloropropane)	Target	990	U	ug/kg	990	U	1.0	YES	S3VE
Acetophenone	Target	990	U	ug/kg	990	U	1.0	YES	S3VE
4-Methylphenol	Target	990	U	ug/kg	990	U	1.0	YES	S3VE
N-Nitroso-di-n-propylamine	Target	510	U	ug/kg	510	U	1.0	YES	S3VE
Hexachloroethane	Target	510	U	ug/kg	510	U	1.0	YES	S3VE
Nitrobenzene	Target	510	U	ug/kg	510	U	1.0	YES	S3VE
Isophorone	Target	510	U	ug/kg	510	U	1.0	YES	S3VE
2-Nitrophenol	Target	510	U	ug/kg	510	U	1.0	YES	S3VE
2,4-Dimethylphenol	Target	510	U	ug/kg	510	U	1.0	YES	S3VE
Bis(2-Chloroethoxy)methane	Target	510	U	ug/kg	510	U	1.0	YES	S3VE
2,4-Dichlorophenol	Target	510	U	ug/kg	510	U	1.0	YES	S3VE
Naphthalene	Target	510	U	ug/kg	510	U	1.0	YES	S3VE
4-Chloroaniline	Target	990	U	ug/kg	990	U	1.0	YES	S3VE
Hexachlorobutadiene	Target	510	U	ug/kg	510	U	1.0	YES	S3VE
Caprolactam	Target	990	U	ug/kg	990	U	1.0	YES	S3VE
4-Chloro-3-methylphenol	Target	510	U	ug/kg	510	U	1.0	YES	S3VE
1-Methylnaphthalene	Target	510	U	ug/kg	510	U	1.0	YES	S3VE
2-Methylnaphthalene	Target	510	U	ug/kg	510	U	1.0	YES	S3VE
Hexachlorocyclopentadiene	Target	990	U	ug/kg	990	U	1.0	YES	S3VE
2,4,6-Trichlorophenol	Target	510	U	ug/kg	510	U	1.0	YES	S3VE
2,4,5-Trichlorophenol	Target	510	U	ug/kg	510	U	1.0	YES	S3VE
1,1-Biphenyl	Target	510	U	ug/kg	510	U	1.0	YES	S3VE
2-Chloronaphthalene	Target	510	U	ug/kg	510	U	1.0	YES	S3VE
2-Nitroaniline	Target	510	U	ug/kg	510	U	1.0	YES	S3VE
Dimethylphthalate	Target	280	J	ug/kg	280	J	1.0	YES	S3VE
2,6-Dinitrotoluene	Target	510	U	ug/kg	510	U	1.0	YES	S3VE
Acenaphthylene	Target	510	U	ug/kg	510	U	1.0	YES	S3VE
3-Nitroaniline	Target	990	U	ug/kg	990	U	1.0	YES	S3VE
Acenaphthene	Target	510	U	ug/kg	510	U	1.0	YES	S3VE
2,4-Dinitrophenol	Target	990	U	ug/kg	990	U	1.0	YES	S3VE
4-Nitrophenol	Target	990	U	ug/kg	990	U	1.0	YES	S3VE
Dibenzofuran	Target	510	U	ug/kg	510	U	1.0	YES	S3VE
2,4-Dinitrotoluene	Target	510	U	ug/kg	510	U	1.0	YES	S3VE
Diethylphthalate	Target	510	U	ug/kg	510	U	1.0	YES	S3VE
Fluorene	Target	510	U	ug/kg	510	U	1.0	YES	S3VE
4-Chlorophenyl-phenylether	Target	510	U	ug/kg	510	U	1.0	YES	S3VE
4-Nitroaniline	Target	990	U	ug/kg	990	U	1.0	YES	S3VE
4,6-Dinitro-2-methylphenol	Target	990	U	ug/kg	990	U	1.0	YES	S3VE
N-Nitrosodiphenylamine	Target	510	U	ug/kg	510	U	1.0	YES	S3VE
1,2,4,5-Tetrachlorobenzene	Target	510	U	ug/kg	510	U	1.0	YES	S3VE
4-Bromophenyl-phenylether	Target	510	U	ug/kg	510	U	1.0	YES	S3VE
Hexachlorobenzene	Target	510	U	ug/kg	510	U	1.0	YES	S3VE
Atrazine	Target	990	U	ug/kg	990	U	1.0	YES	S3VE
Pentachlorophenol	Target	990	U	ug/kg	990	U	1.0	YES	S3VE
Phenanthrene	Target	510	U	ug/kg	510	U	1.0	YES	S3VE

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED03B

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Anthracene	Target	510	U	ug/kg	510	U	1.0	YES	S3VE
Carbazole	Target	990	U	ug/kg	990	U	1.0	YES	S3VE
Di-n-butylphthalate	Target	510	U	ug/kg	510	U	1.0	YES	S3VE
Fluoranthene	Target	510	U	ug/kg	510	U	1.0	YES	S3VE
Pyrene	Target	510	U	ug/kg	510	U	1.0	YES	S3VE
Butylbenzylphthalate	Target	510	U	ug/kg	510	U	1.0	YES	S3VE
3,3-Dichlorobenzidine	Target	990	U	ug/kg	990	U	1.0	YES	S3VE
Benzo(a)anthracene	Target	510	U	ug/kg	510	U	1.0	YES	S3VE
Chrysene	Target	510	U	ug/kg	510	U	1.0	YES	S3VE
Bis(2-ethylhexyl)phthalate	Target	510	U	ug/kg	510	U	1.0	YES	S3VE
Di-n-octyl phthalate	Target	990	U	ug/kg	990	U	1.0	YES	S3VE
Benzo(b)fluoranthene	Target	510	U	ug/kg	510	U	1.0	YES	S3VE
Benzo(k)fluoranthene	Target	510	U	ug/kg	510	U	1.0	YES	S3VE
Benzo(a)pyrene	Target	510	U	ug/kg	510	U	1.0	YES	S3VE
Indeno(1,2,3-cd)pyrene	Target	510	U	ug/kg	510	U	1.0	YES	S3VE
Dibenzo(a,h)anthracene	Target	510	U	ug/kg	510	U	1.0	YES	S3VE
Benzo(g,h,i)perylene	Target	510	U	ug/kg	510	U	1.0	YES	S3VE
2,3,4,6-Tetrachlorophenol	Target	510	U	ug/kg	510	U	1.0	YES	S3VE
Total Alkanes	TIC	250	N	ug/kg	250	N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED03B

Sample Number: BG565	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED03	pH:	Sample Date: 04/19/2021	Sample Time: 11:25:00
% Moisture:		% Solids: 33.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Chloromethane	Target	25	UJ	ug/kg	25	U	1.0	YES	S3VEM
Vinyl chloride	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Bromomethane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Chloroethane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	25	UJ	ug/kg	25	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Acetone	Target	250		ug/kg	250		1.0	YES	S3VEM
Carbon disulfide	Target	15	J	ug/kg	15	J	1.0	YES	S3VEM
Methyl Acetate	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Methylene chloride	Target	35		ug/kg	35		1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	25	UJ	ug/kg	25	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	25	UJ	ug/kg	25	U	1.0	YES	S3VEM
2-Butanone	Target	63		ug/kg	63		1.0	YES	S3VEM
Bromochloromethane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Chloroform	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Cyclohexane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Benzene	Target	7.2	J	ug/kg	7.2	J	1.0	YES	S3VEM
1,2-Dichloroethane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Trichloroethene	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Methylcyclohexane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Bromodichloromethane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	51	U	ug/kg	51	U	1.0	YES	S3VEM
Toluene	Target	25	U	ug/kg	3.4	JB	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Tetrachloroethene	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
2-Hexanone	Target	51	U	ug/kg	51	U	1.0	YES	S3VEM
Dibromochloromethane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Chlorobenzene	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Ethylbenzene	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
o-Xylene	Target	8.2	J	ug/kg	8.2	J	1.0	YES	S3VEM
m,p-Xylene	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Styrene	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Bromoform	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Isopropylbenzene	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED03B

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Dodecane, 1-fluoro-	TIC	35	JN	ug/kg	35	JN	1.0	YES	NV
unknown-01	TIC	29	J	ug/kg	29	J	1.0	YES	NV
Naphthalene, 1,6-dimethyl-	TIC	32	JN	ug/kg	32	JN	1.0	YES	NV
unknown-02	TIC	18	J	ug/kg	18	J	1.0	YES	NV
Total Alkanes	TIC	270	BN	ug/kg	270	BN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED03C

Sample Number: BG566	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: SED03	pH:	Sample Date: 04/19/2021	Sample Time: 11:35:00
% Moisture:		% Solids: 35	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	94	U	ug/kg	94	U	1.0	YES	S3VEM
Aroclor-1221	Target	94	U	ug/kg	94	U	1.0	YES	S3VEM
Aroclor-1232	Target	94	U	ug/kg	94	U	1.0	YES	S3VEM
Aroclor-1242	Target	94	U	ug/kg	94	U	1.0	YES	S3VEM
Aroclor-1248	Target	94	U	ug/kg	94	U	1.0	YES	S3VEM
Aroclor-1254	Target	94	U	ug/kg	94	U	1.0	YES	S3VEM
Aroclor-1260	Target	94	U	ug/kg	94	U	1.0	YES	S3VEM
Aroclor-1262	Target	94	U	ug/kg	94	U	1.0	YES	S3VEM
Aroclor-1268	Target	94	U	ug/kg	94	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED03C

Sample Number: BG566	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: SED03	pH:	Sample Date: 04/19/2021	Sample Time: 11:35:00
% Moisture:		% Solids: 35	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	4.8	U	ug/kg	4.8	U	1.0	YES	S3VEM
beta-BHC	Target	4.8	U	ug/kg	4.8	U	1.0	YES	S3VEM
delta-BHC	Target	4.8	U	ug/kg	4.8	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	4.8	U	ug/kg	4.8	U	1.0	YES	S3VEM
Heptachlor	Target	4.8	U	ug/kg	4.8	U	1.0	YES	S3VEM
Aldrin	Target	4.8	U	ug/kg	4.8	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	4.8	U	ug/kg	4.8	U	1.0	YES	S3VEM
Endosulfan I	Target	4.8	U	ug/kg	4.8	U	1.0	YES	S3VEM
Dieldrin	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
4,4'-DDE	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
Endrin	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
Endosulfan II	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
4,4'-DDD	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
4,4'-DDT	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
Methoxychlor	Target	48	U	ug/kg	48	U	1.0	YES	S3VEM
Endrin ketone	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
cis-Chlordane	Target	4.8	U	ug/kg	4.8	U	1.0	YES	S3VEM
trans-Chlordane	Target	4.8	U	ug/kg	4.8	U	1.0	YES	S3VEM
Toxaphene	Target	480	U	ug/kg	480	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED03C

Sample Number: BG566	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SED03	pH:	Sample Date: 04/19/2021	Sample Time: 11:35:00
% Moisture:		% Solids: 35	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	190	UJ	ug/kg	190	U	1.0	YES	S3VE
Benzaldehyde	Target	940	U	ug/kg	940	U	1.0	YES	S3VE
Phenol	Target	940	U	ug/kg	940	U	1.0	YES	S3VE
Bis(2-Chloroethyl)ether	Target	940	U	ug/kg	940	U	1.0	YES	S3VE
2-Chlorophenol	Target	480	U	ug/kg	480	U	1.0	YES	S3VE
2-Methylphenol	Target	940	U	ug/kg	940	U	1.0	YES	S3VE
2,2-oxybis(1-Chloropropane)	Target	940	U	ug/kg	940	U	1.0	YES	S3VE
Acetophenone	Target	940	U	ug/kg	940	U	1.0	YES	S3VE
4-Methylphenol	Target	940	U	ug/kg	940	U	1.0	YES	S3VE
N-Nitroso-di-n-propylamine	Target	480	U	ug/kg	480	U	1.0	YES	S3VE
Hexachloroethane	Target	480	U	ug/kg	480	U	1.0	YES	S3VE
Nitrobenzene	Target	480	U	ug/kg	480	U	1.0	YES	S3VE
Isophorone	Target	480	U	ug/kg	480	U	1.0	YES	S3VE
2-Nitrophenol	Target	480	U	ug/kg	480	U	1.0	YES	S3VE
2,4-Dimethylphenol	Target	480	U	ug/kg	480	U	1.0	YES	S3VE
Bis(2-Chloroethoxy)methane	Target	480	U	ug/kg	480	U	1.0	YES	S3VE
2,4-Dichlorophenol	Target	480	U	ug/kg	480	U	1.0	YES	S3VE
Naphthalene	Target	480	U	ug/kg	480	U	1.0	YES	S3VE
4-Chloroaniline	Target	940	U	ug/kg	940	U	1.0	YES	S3VE
Hexachlorobutadiene	Target	480	U	ug/kg	480	U	1.0	YES	S3VE
Caprolactam	Target	940	U	ug/kg	940	U	1.0	YES	S3VE
4-Chloro-3-methylphenol	Target	480	U	ug/kg	480	U	1.0	YES	S3VE
1-Methylnaphthalene	Target	480	U	ug/kg	480	U	1.0	YES	S3VE
2-Methylnaphthalene	Target	480	U	ug/kg	480	U	1.0	YES	S3VE
Hexachlorocyclopentadiene	Target	940	U	ug/kg	940	U	1.0	YES	S3VE
2,4,6-Trichlorophenol	Target	480	U	ug/kg	480	U	1.0	YES	S3VE
2,4,5-Trichlorophenol	Target	480	U	ug/kg	480	U	1.0	YES	S3VE
1,1-Biphenyl	Target	480	U	ug/kg	480	U	1.0	YES	S3VE
2-Chloronaphthalene	Target	480	U	ug/kg	480	U	1.0	YES	S3VE
2-Nitroaniline	Target	480	U	ug/kg	480	U	1.0	YES	S3VE
Dimethylphthalate	Target	240	J	ug/kg	240	J	1.0	YES	S3VE
2,6-Dinitrotoluene	Target	480	U	ug/kg	480	U	1.0	YES	S3VE
Acenaphthylene	Target	480	U	ug/kg	480	U	1.0	YES	S3VE
3-Nitroaniline	Target	940	U	ug/kg	940	U	1.0	YES	S3VE
Acenaphthene	Target	480	U	ug/kg	480	U	1.0	YES	S3VE
2,4-Dinitrophenol	Target	940	U	ug/kg	940	U	1.0	YES	S3VE
4-Nitrophenol	Target	940	U	ug/kg	940	U	1.0	YES	S3VE
Dibenzofuran	Target	480	U	ug/kg	480	U	1.0	YES	S3VE
2,4-Dinitrotoluene	Target	480	U	ug/kg	480	U	1.0	YES	S3VE
Diethylphthalate	Target	480	U	ug/kg	480	U	1.0	YES	S3VE
Fluorene	Target	480	U	ug/kg	480	U	1.0	YES	S3VE
4-Chlorophenyl-phenylether	Target	480	U	ug/kg	480	U	1.0	YES	S3VE
4-Nitroaniline	Target	940	U	ug/kg	940	U	1.0	YES	S3VE
4,6-Dinitro-2-methylphenol	Target	940	UJ	ug/kg	940	U	1.0	YES	S3VE
N-Nitrosodiphenylamine	Target	480	U	ug/kg	480	U	1.0	YES	S3VE
1,2,4,5-Tetrachlorobenzene	Target	480	U	ug/kg	480	U	1.0	YES	S3VE
4-Bromophenyl-phenylether	Target	480	U	ug/kg	480	U	1.0	YES	S3VE
Hexachlorobenzene	Target	480	U	ug/kg	480	U	1.0	YES	S3VE
Atrazine	Target	940	U	ug/kg	940	U	1.0	YES	S3VE
Pentachlorophenol	Target	940	U	ug/kg	940	U	1.0	YES	S3VE
Phenanthrene	Target	480	U	ug/kg	480	U	1.0	YES	S3VE

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED03C

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Anthracene	Target	480	U	ug/kg	480	U	1.0	YES	S3VE
Carbazole	Target	940	U	ug/kg	940	U	1.0	YES	S3VE
Di-n-butylphthalate	Target	480	U	ug/kg	480	U	1.0	YES	S3VE
Fluoranthene	Target	480	U	ug/kg	480	U	1.0	YES	S3VE
Pyrene	Target	480	U	ug/kg	480	U	1.0	YES	S3VE
Butylbenzylphthalate	Target	480	U	ug/kg	480	U	1.0	YES	S3VE
3,3-Dichlorobenzidine	Target	940	U	ug/kg	940	U	1.0	YES	S3VE
Benzo(a)anthracene	Target	480	U	ug/kg	480	U	1.0	YES	S3VE
Chrysene	Target	480	U	ug/kg	480	U	1.0	YES	S3VE
Bis(2-ethylhexyl)phthalate	Target	480	U	ug/kg	480	U	1.0	YES	S3VE
Di-n-octyl phthalate	Target	940	U	ug/kg	940	U	1.0	YES	S3VE
Benzo(b)fluoranthene	Target	480	U	ug/kg	480	U	1.0	YES	S3VE
Benzo(k)fluoranthene	Target	480	U	ug/kg	480	U	1.0	YES	S3VE
Benzo(a)pyrene	Target	480	U	ug/kg	480	U	1.0	YES	S3VE
Indeno(1,2,3-cd)pyrene	Target	480	U	ug/kg	480	U	1.0	YES	S3VE
Dibenzo(a,h)anthracene	Target	480	U	ug/kg	480	U	1.0	YES	S3VE
Benzo(g,h,i)perylene	Target	480	U	ug/kg	480	U	1.0	YES	S3VE
2,3,4,6-Tetrachlorophenol	Target	480	U	ug/kg	480	U	1.0	YES	S3VE
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED03C

Sample Number: BG566	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED03	pH:	Sample Date: 04/19/2021	Sample Time: 11:35:00
% Moisture:		% Solids: 35	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
Chloromethane	Target	22	UJ	ug/kg	22	U	1.0	YES	S3VEM
Vinyl chloride	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
Bromomethane	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
Chloroethane	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	22	UJ	ug/kg	22	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	22	UJ	ug/kg	22	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	22	UJ	ug/kg	22	U	1.0	YES	S3VEM
Acetone	Target	110		ug/kg	110		1.0	YES	S3VEM
Carbon disulfide	Target	7	J	ug/kg	7	J	1.0	YES	S3VEM
Methyl Acetate	Target	22	UJ	ug/kg	22	U	1.0	YES	S3VEM
Methylene chloride	Target	33	J-	ug/kg	33		1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	22	UJ	ug/kg	22	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	22	UJ	ug/kg	22	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	22	UJ	ug/kg	22	U	1.0	YES	S3VEM
2-Butanone	Target	44	U	ug/kg	44	U	1.0	YES	S3VEM
Bromochloromethane	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
Chloroform	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	22	UJ	ug/kg	22	U	1.0	YES	S3VEM
Cyclohexane	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	22	UJ	ug/kg	22	U	1.0	YES	S3VEM
Benzene	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	22	UJ	ug/kg	22	U	1.0	YES	S3VEM
Trichloroethene	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
Methylcyclohexane	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
Bromodichloromethane	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	44	U	ug/kg	44	U	1.0	YES	S3VEM
Toluene	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
Tetrachloroethene	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
2-Hexanone	Target	44	U	ug/kg	44	U	1.0	YES	S3VEM
Dibromochloromethane	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	22	UJ	ug/kg	22	U	1.0	YES	S3VEM
Chlorobenzene	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
Ethylbenzene	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
o-Xylene	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
m,p-Xylene	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
Styrene	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
Bromoform	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
Isopropylbenzene	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED03C

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED04A

Sample Number: BG567	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: SED04/SW04	pH:	Sample Date: 04/19/2021	Sample Time: 12:15:00
% Moisture:		% Solids: 64.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	51	U	ug/kg	51	U	1.0	YES	S3VEM
Aroclor-1221	Target	51	U	ug/kg	51	U	1.0	YES	S3VEM
Aroclor-1232	Target	51	U	ug/kg	51	U	1.0	YES	S3VEM
Aroclor-1242	Target	51	U	ug/kg	51	U	1.0	YES	S3VEM
Aroclor-1248	Target	51	U	ug/kg	51	U	1.0	YES	S3VEM
Aroclor-1254	Target	51	U	ug/kg	51	U	1.0	YES	S3VEM
Aroclor-1260	Target	51	U	ug/kg	51	U	1.0	YES	S3VEM
Aroclor-1262	Target	51	U	ug/kg	51	U	1.0	YES	S3VEM
Aroclor-1268	Target	51	U	ug/kg	51	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED04A

Sample Number: BG567	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: SED04/SW04	pH:	Sample Date: 04/19/2021	Sample Time: 12:15:00
% Moisture:		% Solids: 64.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	2.6	U	ug/kg	2.6	U	1.0	YES	S3VEM
beta-BHC	Target	2.6	U	ug/kg	2.6	U	1.0	YES	S3VEM
delta-BHC	Target	2.6	U	ug/kg	2.6	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	2.6	U	ug/kg	2.6	U	1.0	YES	S3VEM
Heptachlor	Target	2.6	U	ug/kg	2.6	U	1.0	YES	S3VEM
Aldrin	Target	2.6	U	ug/kg	2.6	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	2.6	U	ug/kg	2.6	U	1.0	YES	S3VEM
Endosulfan I	Target	2.6	U	ug/kg	2.6	U	1.0	YES	S3VEM
Dieldrin	Target	5.1	U	ug/kg	5.1	U	1.0	YES	S3VEM
4,4'-DDE	Target	1.2	J	ug/kg	1.2	JP	1.0	YES	S3VEM
Endrin	Target	5.1	U	ug/kg	5.1	U	1.0	YES	S3VEM
Endosulfan II	Target	5.1	U	ug/kg	5.1	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.79	J	ug/kg	0.79	JP	1.0	YES	S3VEM
Endosulfan Sulfate	Target	5.1	U	ug/kg	5.1	U	1.0	YES	S3VEM
4,4'-DDT	Target	5.1	U	ug/kg	5.1	U	1.0	YES	S3VEM
Methoxychlor	Target	26	U	ug/kg	26	U	1.0	YES	S3VEM
Endrin ketone	Target	5.1	U	ug/kg	5.1	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	5.1	U	ug/kg	5.1	U	1.0	YES	S3VEM
cis-Chlordane	Target	2.6	U	ug/kg	2.6	U	1.0	YES	S3VEM
trans-Chlordane	Target	2.6	U	ug/kg	2.6	U	1.0	YES	S3VEM
Toxaphene	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED04A

Sample Number: BG567	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SED04/SW04	pH:	Sample Date: 04/19/2021	Sample Time: 12:15:00
% Moisture:		% Solids: 64.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	100	U	ug/kg	100	U	1.0	YES	S3VE
Benzaldehyde	Target	510	U	ug/kg	510	U	1.0	YES	S3VE
Phenol	Target	67	J	ug/kg	67	J	1.0	YES	S3VE
Bis(2-Chloroethyl)ether	Target	510	U	ug/kg	510	U	1.0	YES	S3VE
2-Chlorophenol	Target	260	U	ug/kg	260	U	1.0	YES	S3VE
2-Methylphenol	Target	510	U	ug/kg	510	U	1.0	YES	S3VE
2,2-oxybis(1-Chloropropane)	Target	510	U	ug/kg	510	U	1.0	YES	S3VE
Acetophenone	Target	510	U	ug/kg	510	U	1.0	YES	S3VE
4-Methylphenol	Target	510	U	ug/kg	510	U	1.0	YES	S3VE
N-Nitroso-di-n-propylamine	Target	260	U	ug/kg	260	U	1.0	YES	S3VE
Hexachloroethane	Target	260	U	ug/kg	260	U	1.0	YES	S3VE
Nitrobenzene	Target	260	U	ug/kg	260	U	1.0	YES	S3VE
Isophorone	Target	260	U	ug/kg	260	U	1.0	YES	S3VE
2-Nitrophenol	Target	260	U	ug/kg	260	U	1.0	YES	S3VE
2,4-Dimethylphenol	Target	260	U	ug/kg	260	U	1.0	YES	S3VE
Bis(2-Chloroethoxy)methane	Target	260	U	ug/kg	260	U	1.0	YES	S3VE
2,4-Dichlorophenol	Target	260	U	ug/kg	260	U	1.0	YES	S3VE
Naphthalene	Target	260	U	ug/kg	260	U	1.0	YES	S3VE
4-Chloroaniline	Target	510	U	ug/kg	510	U	1.0	YES	S3VE
Hexachlorobutadiene	Target	260	U	ug/kg	260	U	1.0	YES	S3VE
Caprolactam	Target	510	U	ug/kg	510	U	1.0	YES	S3VE
4-Chloro-3-methylphenol	Target	260	U	ug/kg	260	U	1.0	YES	S3VE
1-Methylnaphthalene	Target	260	U	ug/kg	260	U	1.0	YES	S3VE
2-Methylnaphthalene	Target	260	U	ug/kg	260	U	1.0	YES	S3VE
Hexachlorocyclopentadiene	Target	510	U	ug/kg	510	U	1.0	YES	S3VE
2,4,6-Trichlorophenol	Target	260	U	ug/kg	260	U	1.0	YES	S3VE
2,4,5-Trichlorophenol	Target	260	U	ug/kg	260	U	1.0	YES	S3VE
1,1-Biphenyl	Target	260	U	ug/kg	260	U	1.0	YES	S3VE
2-Chloronaphthalene	Target	260	U	ug/kg	260	U	1.0	YES	S3VE
2-Nitroaniline	Target	260	U	ug/kg	260	U	1.0	YES	S3VE
Dimethylphthalate	Target	210	J	ug/kg	210	J	1.0	YES	S3VE
2,6-Dinitrotoluene	Target	260	U	ug/kg	260	U	1.0	YES	S3VE
Acenaphthylene	Target	260	U	ug/kg	260	U	1.0	YES	S3VE
3-Nitroaniline	Target	510	U	ug/kg	510	U	1.0	YES	S3VE
Acenaphthene	Target	260	U	ug/kg	260	U	1.0	YES	S3VE
2,4-Dinitrophenol	Target	510	U	ug/kg	510	U	1.0	YES	S3VE
4-Nitrophenol	Target	510	U	ug/kg	510	U	1.0	YES	S3VE
Dibenzofuran	Target	260	U	ug/kg	260	U	1.0	YES	S3VE
2,4-Dinitrotoluene	Target	260	U	ug/kg	260	U	1.0	YES	S3VE
Diethylphthalate	Target	260	U	ug/kg	260	U	1.0	YES	S3VE
Fluorene	Target	260	U	ug/kg	260	U	1.0	YES	S3VE
4-Chlorophenyl-phenylether	Target	260	U	ug/kg	260	U	1.0	YES	S3VE
4-Nitroaniline	Target	510	U	ug/kg	510	U	1.0	YES	S3VE
4,6-Dinitro-2-methylphenol	Target	510	U	ug/kg	510	U	1.0	YES	S3VE
N-Nitrosodiphenylamine	Target	260	U	ug/kg	260	U	1.0	YES	S3VE
1,2,4,5-Tetrachlorobenzene	Target	260	U	ug/kg	260	U	1.0	YES	S3VE
4-Bromophenyl-phenylether	Target	260	U	ug/kg	260	U	1.0	YES	S3VE
Hexachlorobenzene	Target	260	U	ug/kg	260	U	1.0	YES	S3VE
Atrazine	Target	510	U	ug/kg	510	U	1.0	YES	S3VE
Pentachlorophenol	Target	510	U	ug/kg	510	U	1.0	YES	S3VE
Phenanthrene	Target	260	U	ug/kg	260	U	1.0	YES	S3VE
Anthracene	Target	260	U	ug/kg	260	U	1.0	YES	S3VE
Carbazole	Target	510	U	ug/kg	510	U	1.0	YES	S3VE

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED04A

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	260	U	ug/kg	260	U	1.0	YES	S3VE
Fluoranthene	Target	68	J	ug/kg	68	J	1.0	YES	S3VE
Pyrene	Target	87	J	ug/kg	87	J	1.0	YES	S3VE
Butylbenzylphthalate	Target	260	U	ug/kg	260	U	1.0	YES	S3VE
3,3-Dichlorobenzidine	Target	510	U	ug/kg	510	U	1.0	YES	S3VE
Benzo(a)anthracene	Target	260	U	ug/kg	260	U	1.0	YES	S3VE
Chrysene	Target	260	U	ug/kg	260	U	1.0	YES	S3VE
Bis(2-ethylhexyl)phthalate	Target	260	U	ug/kg	260	U	1.0	YES	S3VE
Di-n-octyl phthalate	Target	510	U	ug/kg	510	U	1.0	YES	S3VE
Benzo(b)fluoranthene	Target	260	U	ug/kg	260	U	1.0	YES	S3VE
Benzo(k)fluoranthene	Target	260	U	ug/kg	260	U	1.0	YES	S3VE
Benzo(a)pyrene	Target	260	U	ug/kg	260	U	1.0	YES	S3VE
Indeno(1,2,3-cd)pyrene	Target	260	U	ug/kg	260	U	1.0	YES	S3VE
Dibenzo(a,h)anthracene	Target	260	U	ug/kg	260	U	1.0	YES	S3VE
Benzo(g,h,i)perylene	Target	260	U	ug/kg	260	U	1.0	YES	S3VE
2,3,4,6-Tetrachlorophenol	Target	260	U	ug/kg	260	U	1.0	YES	S3VE
Total Alkanes	TIC	540	N	ug/kg	540	N	1.0	YES	NV
E-15-Heptadecenal	TIC	270	JN	ug/kg	270	JN	1.0	YES	NV
n-Hexadecanoic acid	TIC	240	JN	ug/kg	240	JN	1.0	YES	NV
3-Methyl-4-(methoxycarbonyl)hexa-2	TIC	110	JN	ug/kg	110	JN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED04A

Sample Number: BG567	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED04/SW04	pH:	Sample Date: 04/19/2021	Sample Time: 12:15:00
% Moisture:		% Solids: 64.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Chloromethane	Target	11	UJ	ug/kg	11	U	1.0	YES	S3VEM
Vinyl chloride	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Bromomethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Chloroethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	11	UJ	ug/kg	11	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Acetone	Target	63		ug/kg	63		1.0	YES	S3VEM
Carbon disulfide	Target	4.4	J	ug/kg	4.4	J	1.0	YES	S3VEM
Methyl Acetate	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Methylene chloride	Target	22		ug/kg	22		1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	11	UJ	ug/kg	11	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	11	UJ	ug/kg	11	U	1.0	YES	S3VEM
2-Butanone	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
Bromochloromethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Chloroform	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Cyclohexane	Target	2	J	ug/kg	2	J	1.0	YES	S3VEM
Carbon tetrachloride	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Benzene	Target	2.3	J	ug/kg	2.3	J	1.0	YES	S3VEM
1,2-Dichloroethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Trichloroethene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Methylcyclohexane	Target	10	J	ug/kg	10	J	1.0	YES	S3VEM
1,2-Dichloropropane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Bromodichloromethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
Toluene	Target	11	U	ug/kg	1.5	JB	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Tetrachloroethene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
2-Hexanone	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
Dibromochloromethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Chlorobenzene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Ethylbenzene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
o-Xylene	Target	3.7	J	ug/kg	3.7	J	1.0	YES	S3VEM
m,p-Xylene	Target	2.3	J	ug/kg	2.3	J	1.0	YES	S3VEM
Styrene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Bromoform	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Isopropylbenzene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED04A

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
unknown-03	TIC	410	J	ug/kg	410	J	1.0	YES	NV
Oxalic acid, bis(6-ethyloct-3-yl)	TIC	190	JN	ug/kg	190	JN	1.0	YES	NV
unknown-05	TIC	160	J	ug/kg	160	J	1.0	YES	NV
unknown-04	TIC	180	J	ug/kg	180	J	1.0	YES	NV
1-Methyldecahydronaphthalene	TIC	630	JN	ug/kg	630	JN	1.0	YES	NV
Naphthalene, decahydro-2-methyl-	TIC	1400	JN	ug/kg	1400	JN	1.0	YES	NV
Sulfurous acid, cyclohexylmethyl t	TIC	390	JN	ug/kg	390	JN	1.0	YES	NV
unknown-02	TIC	42	J	ug/kg	42	J	1.0	YES	NV
unknown-07	TIC	150	J	ug/kg	150	J	1.0	YES	NV
unknown-01	TIC	370	J	ug/kg	370	J	1.0	YES	NV
unknown-06	TIC	340	J	ug/kg	340	J	1.0	YES	NV
1-Dodecanol, 2-octyl-	TIC	260	JN	ug/kg	260	JN	1.0	YES	NV
Total Alkanes	TIC	11000	BN	ug/kg	11000	BN	1.0	YES	NV
D-Limonene	TIC	1800	JN	ug/kg	1800	JN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED04B

Sample Number: BG568	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: SED04/SW04	pH:	Sample Date: 04/19/2021	Sample Time: 12:30:00
% Moisture:		% Solids: 51.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	64	U	ug/kg	64	U	1.0	YES	S3VEM
Aroclor-1221	Target	64	U	ug/kg	64	U	1.0	YES	S3VEM
Aroclor-1232	Target	64	U	ug/kg	64	U	1.0	YES	S3VEM
Aroclor-1242	Target	64	U	ug/kg	64	U	1.0	YES	S3VEM
Aroclor-1248	Target	21	J	ug/kg	21	J	1.0	YES	S3VEM
Aroclor-1254	Target	14	J	ug/kg	14	JP	1.0	YES	S3VEM
Aroclor-1260	Target	64	U	ug/kg	64	U	1.0	YES	S3VEM
Aroclor-1262	Target	64	U	ug/kg	64	U	1.0	YES	S3VEM
Aroclor-1268	Target	64	U	ug/kg	64	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED04B

Sample Number: BG568	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: SED04/SW04	pH:	Sample Date: 04/19/2021	Sample Time: 12:30:00
% Moisture:		% Solids: 51.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
beta-BHC	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
delta-BHC	Target	0.57	J	ug/kg	0.57	JP	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.38	J	ug/kg	0.38	JP	1.0	YES	S3VEM
Heptachlor	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
Aldrin	Target	0.35	J	ug/kg	0.35	JP	1.0	YES	S3VEM
Heptachlor epoxide	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
Endosulfan I	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
Dieldrin	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S3VEM
4,4'-DDE	Target	5.8	J	ug/kg	5.8	JP	1.0	YES	S3VEM
Endrin	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S3VEM
Endosulfan II	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S3VEM
4,4'-DDD	Target	44	J	ug/kg	44		1.0	YES	S3VEM
Endosulfan Sulfate	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S3VEM
4,4'-DDT	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S3VEM
Methoxychlor	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Endrin ketone	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.78	J	ug/kg	0.78	JP	1.0	YES	S3VEM
trans-Chlordane	Target	2.4	J	ug/kg	2.4	J	1.0	YES	S3VEM
Toxaphene	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED04B

Sample Number: BG568	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SED04/SW04	pH:	Sample Date: 04/19/2021	Sample Time: 12:30:00
% Moisture:		% Solids: 51.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	130	UJ	ug/kg	130	U	1.0	YES	S3VE
Benzaldehyde	Target	630	U	ug/kg	630	U	1.0	YES	S3VE
Phenol	Target	630	U	ug/kg	630	U	1.0	YES	S3VE
Bis(2-Chloroethyl)ether	Target	630	U	ug/kg	630	U	1.0	YES	S3VE
2-Chlorophenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
2-Methylphenol	Target	630	U	ug/kg	630	U	1.0	YES	S3VE
2,2-oxybis(1-Chloropropane)	Target	630	U	ug/kg	630	U	1.0	YES	S3VE
Acetophenone	Target	630	U	ug/kg	630	U	1.0	YES	S3VE
4-Methylphenol	Target	630	U	ug/kg	630	U	1.0	YES	S3VE
N-Nitroso-di-n-propylamine	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
Hexachloroethane	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
Nitrobenzene	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
Isophorone	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
2-Nitrophenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
2,4-Dimethylphenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
Bis(2-Chloroethoxy)methane	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
2,4-Dichlorophenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
Naphthalene	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
4-Chloroaniline	Target	630	U	ug/kg	630	U	1.0	YES	S3VE
Hexachlorobutadiene	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
Caprolactam	Target	630	U	ug/kg	630	U	1.0	YES	S3VE
4-Chloro-3-methylphenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
1-Methylnaphthalene	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
2-Methylnaphthalene	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
Hexachlorocyclopentadiene	Target	630	U	ug/kg	630	U	1.0	YES	S3VE
2,4,6-Trichlorophenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
2,4,5-Trichlorophenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
1,1-Biphenyl	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
2-Chloronaphthalene	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
2-Nitroaniline	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
Dimethylphthalate	Target	130	J	ug/kg	130	J	1.0	YES	S3VE
2,6-Dinitrotoluene	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
Acenaphthylene	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
3-Nitroaniline	Target	630	U	ug/kg	630	U	1.0	YES	S3VE
Acenaphthene	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
2,4-Dinitrophenol	Target	630	U	ug/kg	630	U	1.0	YES	S3VE
4-Nitrophenol	Target	630	U	ug/kg	630	U	1.0	YES	S3VE
Dibenzofuran	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
2,4-Dinitrotoluene	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
Diethylphthalate	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
Fluorene	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
4-Chlorophenyl-phenylether	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
4-Nitroaniline	Target	630	U	ug/kg	630	U	1.0	YES	S3VE
4,6-Dinitro-2-methylphenol	Target	630	U	ug/kg	630	U	1.0	YES	S3VE
N-Nitrosodiphenylamine	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
1,2,4,5-Tetrachlorobenzene	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
4-Bromophenyl-phenylether	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
Hexachlorobenzene	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
Atrazine	Target	630	U	ug/kg	630	U	1.0	YES	S3VE
Pentachlorophenol	Target	630	U	ug/kg	630	U	1.0	YES	S3VE
Phenanthrene	Target	70	J	ug/kg	70	J	1.0	YES	S3VE

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED04B

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Anthracene	Target	160	J	ug/kg	160	J	1.0	YES	S3VE
Carbazole	Target	630	U	ug/kg	630	U	1.0	YES	S3VE
Di-n-butylphthalate	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
Fluoranthene	Target	170	J	ug/kg	170	J	1.0	YES	S3VE
Pyrene	Target	190	J	ug/kg	190	J	1.0	YES	S3VE
Butylbenzylphthalate	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
3,3-Dichlorobenzidine	Target	630	U	ug/kg	630	U	1.0	YES	S3VE
Benzo(a)anthracene	Target	93	J	ug/kg	93	J	1.0	YES	S3VE
Chrysene	Target	110	J	ug/kg	110	J	1.0	YES	S3VE
Bis(2-ethylhexyl)phthalate	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
Di-n-octyl phthalate	Target	630	U	ug/kg	630	U	1.0	YES	S3VE
Benzo(b)fluoranthene	Target	78	J	ug/kg	78	J	1.0	YES	S3VE
Benzo(k)fluoranthene	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
Benzo(a)pyrene	Target	76	J	ug/kg	76	J	1.0	YES	S3VE
Indeno(1,2,3-cd)pyrene	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
Dibenzo(a,h)anthracene	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
Benzo(g,h,i)perylene	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
2,3,4,6-Tetrachlorophenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
unknown-01	TIC	130	J	ug/kg	130	J	1.0	YES	NV
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED04B

Sample Number: BG568	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED04/SW04	pH:	Sample Date: 04/19/2021	Sample Time: 12:30:00
% Moisture:		% Solids: 51.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Chloromethane	Target	14	UJ	ug/kg	14	U	1.0	YES	S3VEM
Vinyl chloride	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Bromomethane	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Chloroethane	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	14	UJ	ug/kg	14	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	14	UJ	ug/kg	14	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	14	UJ	ug/kg	14	U	1.0	YES	S3VEM
Acetone	Target	69		ug/kg	69		1.0	YES	S3VEM
Carbon disulfide	Target	9.9	J	ug/kg	9.9	J	1.0	YES	S3VEM
Methyl Acetate	Target	14	UJ	ug/kg	14	U	1.0	YES	S3VEM
Methylene chloride	Target	23	J-	ug/kg	23		1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	14	UJ	ug/kg	14	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	14	UJ	ug/kg	14	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	14	UJ	ug/kg	14	U	1.0	YES	S3VEM
2-Butanone	Target	27	U	ug/kg	27	U	1.0	YES	S3VEM
Bromochloromethane	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Chloroform	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	14	UJ	ug/kg	14	U	1.0	YES	S3VEM
Cyclohexane	Target	1.6	J	ug/kg	1.6	J	1.0	YES	S3VEM
Carbon tetrachloride	Target	14	UJ	ug/kg	14	U	1.0	YES	S3VEM
Benzene	Target	7.7	J	ug/kg	7.7	J	1.0	YES	S3VEM
1,2-Dichloroethane	Target	14	UJ	ug/kg	14	U	1.0	YES	S3VEM
Trichloroethene	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Methylcyclohexane	Target	6.2	J	ug/kg	6.2	J	1.0	YES	S3VEM
1,2-Dichloropropane	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Bromodichloromethane	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	27	U	ug/kg	27	U	1.0	YES	S3VEM
Toluene	Target	14	U	ug/kg	2.1	JB	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Tetrachloroethene	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
2-Hexanone	Target	27	U	ug/kg	27	U	1.0	YES	S3VEM
Dibromochloromethane	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	14	UJ	ug/kg	14	U	1.0	YES	S3VEM
Chlorobenzene	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Ethylbenzene	Target	2.5	J	ug/kg	2.5	J	1.0	YES	S3VEM
o-Xylene	Target	14		ug/kg	14		1.0	YES	S3VEM
m,p-Xylene	Target	4.9	J	ug/kg	4.9	J	1.0	YES	S3VEM
Styrene	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Bromoform	Target	14	UJ	ug/kg	14	U	1.0	YES	S3VEM
Isopropylbenzene	Target	13	J+	ug/kg	13	J	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	14	UJ	ug/kg	14	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	14	UJ	ug/kg	14	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	14	UJ	ug/kg	14	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	14	UJ	ug/kg	14	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	14	UJ	ug/kg	14	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	14	UJ	ug/kg	14	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED04B

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	14	UJ	ug/kg	14	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	14	UJ	ug/kg	14	U	1.0	YES	S3VEM
unknown-03	TIC	120	J	ug/kg	120	J	1.0	YES	NV
unknown-05	TIC	160	J	ug/kg	160	J	1.0	YES	NV
Benzene, 1-ethyl-2,4-dimethyl-	TIC	140	JN	ug/kg	140	JN	1.0	YES	NV
Benzene, 1-ethyl-4-(1-methylethyl)	TIC	68	JN	ug/kg	68	JN	1.0	YES	NV
unknown-04	TIC	55	J	ug/kg	55	J	1.0	YES	NV
Naphthalene, decahydro-2-methyl-	TIC	190	JN	ug/kg	190	JN	1.0	YES	NV
5-Octen-4-one, 7-methyl-	TIC	40	JN	ug/kg	40	JN	1.0	YES	NV
Total Alkanes	TIC	2400	BN	ug/kg	2400	BN	1.0	YES	NV
2-Thiophenecarboxylic acid, 4-tetr	TIC	7.6	JN	ug/kg	7.6	JN	1.0	YES	NV
unknown-02	TIC	38	J	ug/kg	38	J	1.0	YES	NV
unknown-01	TIC	34	J	ug/kg	34	J	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Sample Number: BG568ME	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED04/SW04	pH:	Sample Date: 04/19/2021	Sample Time: 12:30:00
% Moisture:		% Solids: 51.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Chloromethane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Vinyl chloride	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Bromomethane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Chloroethane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Trichlorofluoromethane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,1-Dichloroethene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Acetone	Target	2300	U	ug/kg	2300	U	1.0	NO	S3VEM
Carbon disulfide	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Methyl Acetate	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Methylene chloride	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
trans-1,2-Dichloroethene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Methyl tert-butyl Ether	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,1-Dichloroethane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
cis-1,2-Dichloroethene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
2-Butanone	Target	2300	U	ug/kg	2300	U	1.0	NO	S3VEM
Bromochloromethane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Chloroform	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,1,1-Trichloroethane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Cyclohexane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Carbon tetrachloride	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Benzene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,2-Dichloroethane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Trichloroethene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Methylcyclohexane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,2-Dichloropropane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Bromodichloromethane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
cis-1,3-Dichloropropene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
4-Methyl-2-pentanone	Target	2300	U	ug/kg	2300	U	1.0	NO	S3VEM
Toluene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
trans-1,3-Dichloropropene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,1,2-Trichloroethane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Tetrachloroethene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
2-Hexanone	Target	2300	U	ug/kg	2300	U	1.0	NO	S3VEM
Dibromochloromethane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,2-Dibromoethane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Chlorobenzene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Ethylbenzene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
o-Xylene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
m,p-Xylene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Styrene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Bromoform	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Isopropylbenzene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,2,3-Trichloropropane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,1,2,2-Tetrachloroethane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,3-Dichlorobenzene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,4-Dichlorobenzene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,2-Dichlorobenzene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,2-Dibromo-3-chloropropane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,2,4-Trimethylbenzene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,3,5-Trimethylbenzene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,2,3-Trichlorobenzene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	NO	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED04C

Sample Number: BG569	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: SED04/SW04	pH:	Sample Date: 04/19/2021	Sample Time: 12:40:00
% Moisture:		% Solids: 36.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	91	U	ug/kg	91	U	1.0	YES	S3VEM
Aroclor-1221	Target	91	U	ug/kg	91	U	1.0	YES	S3VEM
Aroclor-1232	Target	91	U	ug/kg	91	U	1.0	YES	S3VEM
Aroclor-1242	Target	91	U	ug/kg	91	U	1.0	YES	S3VEM
Aroclor-1248	Target	91	U	ug/kg	91	U	1.0	YES	S3VEM
Aroclor-1254	Target	91	U	ug/kg	91	U	1.0	YES	S3VEM
Aroclor-1260	Target	91	U	ug/kg	91	U	1.0	YES	S3VEM
Aroclor-1262	Target	91	U	ug/kg	91	U	1.0	YES	S3VEM
Aroclor-1268	Target	91	U	ug/kg	91	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED04C

Sample Number: BG569	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: SED04/SW04	pH:	Sample Date: 04/19/2021	Sample Time: 12:40:00
% Moisture:		% Solids: 36.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	4.7	U	ug/kg	4.7	U	1.0	YES	S3VEM
beta-BHC	Target	4.7	U	ug/kg	4.7	U	1.0	YES	S3VEM
delta-BHC	Target	4.7	U	ug/kg	4.7	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	4.7	U	ug/kg	4.7	U	1.0	YES	S3VEM
Heptachlor	Target	4.7	U	ug/kg	4.7	U	1.0	YES	S3VEM
Aldrin	Target	4.7	U	ug/kg	4.7	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	4.7	U	ug/kg	4.7	U	1.0	YES	S3VEM
Endosulfan I	Target	4.7	U	ug/kg	4.7	U	1.0	YES	S3VEM
Dieldrin	Target	9.1	U	ug/kg	9.1	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.51	J	ug/kg	0.51	JP	1.0	YES	S3VEM
Endrin	Target	9.1	U	ug/kg	9.1	U	1.0	YES	S3VEM
Endosulfan II	Target	0.63	J	ug/kg	0.63	JP	1.0	YES	S3VEM
4,4'-DDD	Target	0.51	J	ug/kg	0.51	JP	1.0	YES	S3VEM
Endosulfan Sulfate	Target	9.1	U	ug/kg	9.1	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.64	J	ug/kg	0.64	J	1.0	YES	S3VEM
Methoxychlor	Target	47	U	ug/kg	47	U	1.0	YES	S3VEM
Endrin ketone	Target	9.1	U	ug/kg	9.1	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	9.1	U	ug/kg	9.1	U	1.0	YES	S3VEM
cis-Chlordane	Target	4.7	U	ug/kg	4.7	U	1.0	YES	S3VEM
trans-Chlordane	Target	4.7	U	ug/kg	4.7	U	1.0	YES	S3VEM
Toxaphene	Target	470	U	ug/kg	470	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED04C

Sample Number: BG569	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SED04/SW04	pH:	Sample Date: 04/19/2021	Sample Time: 12:40:00
% Moisture:		% Solids: 36.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	180	U	ug/kg	180	U	1.0	YES	S3VE
Benzaldehyde	Target	910	U	ug/kg	910	U	1.0	YES	S3VE
Phenol	Target	170	J	ug/kg	170	J	1.0	YES	S3VE
Bis(2-Chloroethyl)ether	Target	910	U	ug/kg	910	U	1.0	YES	S3VE
2-Chlorophenol	Target	470	U	ug/kg	470	U	1.0	YES	S3VE
2-Methylphenol	Target	910	U	ug/kg	910	U	1.0	YES	S3VE
2,2-oxybis(1-Chloropropane)	Target	910	U	ug/kg	910	U	1.0	YES	S3VE
Acetophenone	Target	910	U	ug/kg	910	U	1.0	YES	S3VE
4-Methylphenol	Target	910	U	ug/kg	910	U	1.0	YES	S3VE
N-Nitroso-di-n-propylamine	Target	470	U	ug/kg	470	U	1.0	YES	S3VE
Hexachloroethane	Target	470	U	ug/kg	470	U	1.0	YES	S3VE
Nitrobenzene	Target	470	U	ug/kg	470	U	1.0	YES	S3VE
Isophorone	Target	470	U	ug/kg	470	U	1.0	YES	S3VE
2-Nitrophenol	Target	470	U	ug/kg	470	U	1.0	YES	S3VE
2,4-Dimethylphenol	Target	470	U	ug/kg	470	U	1.0	YES	S3VE
Bis(2-Chloroethoxy)methane	Target	470	U	ug/kg	470	U	1.0	YES	S3VE
2,4-Dichlorophenol	Target	470	U	ug/kg	470	U	1.0	YES	S3VE
Naphthalene	Target	470	U	ug/kg	470	U	1.0	YES	S3VE
4-Chloroaniline	Target	910	U	ug/kg	910	U	1.0	YES	S3VE
Hexachlorobutadiene	Target	470	U	ug/kg	470	U	1.0	YES	S3VE
Caprolactam	Target	910	U	ug/kg	910	U	1.0	YES	S3VE
4-Chloro-3-methylphenol	Target	470	U	ug/kg	470	U	1.0	YES	S3VE
1-Methylnaphthalene	Target	470	U	ug/kg	470	U	1.0	YES	S3VE
2-Methylnaphthalene	Target	470	U	ug/kg	470	U	1.0	YES	S3VE
Hexachlorocyclopentadiene	Target	910	U	ug/kg	910	U	1.0	YES	S3VE
2,4,6-Trichlorophenol	Target	470	U	ug/kg	470	U	1.0	YES	S3VE
2,4,5-Trichlorophenol	Target	470	U	ug/kg	470	U	1.0	YES	S3VE
1,1-Biphenyl	Target	470	U	ug/kg	470	U	1.0	YES	S3VE
2-Chloronaphthalene	Target	470	U	ug/kg	470	U	1.0	YES	S3VE
2-Nitroaniline	Target	470	U	ug/kg	470	U	1.0	YES	S3VE
Dimethylphthalate	Target	170	J	ug/kg	170	J	1.0	YES	S3VE
2,6-Dinitrotoluene	Target	470	U	ug/kg	470	U	1.0	YES	S3VE
Acenaphthylene	Target	470	U	ug/kg	470	U	1.0	YES	S3VE
3-Nitroaniline	Target	910	U	ug/kg	910	U	1.0	YES	S3VE
Acenaphthene	Target	470	U	ug/kg	470	U	1.0	YES	S3VE
2,4-Dinitrophenol	Target	910	U	ug/kg	910	U	1.0	YES	S3VE
4-Nitrophenol	Target	910	U	ug/kg	910	U	1.0	YES	S3VE
Dibenzofuran	Target	470	U	ug/kg	470	U	1.0	YES	S3VE
2,4-Dinitrotoluene	Target	470	U	ug/kg	470	U	1.0	YES	S3VE
Diethylphthalate	Target	470	U	ug/kg	470	U	1.0	YES	S3VE
Fluorene	Target	470	U	ug/kg	470	U	1.0	YES	S3VE
4-Chlorophenyl-phenylether	Target	470	U	ug/kg	470	U	1.0	YES	S3VE
4-Nitroaniline	Target	910	U	ug/kg	910	U	1.0	YES	S3VE
4,6-Dinitro-2-methylphenol	Target	910	U	ug/kg	910	U	1.0	YES	S3VE
N-Nitrosodiphenylamine	Target	470	U	ug/kg	470	U	1.0	YES	S3VE
1,2,4,5-Tetrachlorobenzene	Target	470	U	ug/kg	470	U	1.0	YES	S3VE
4-Bromophenyl-phenylether	Target	470	U	ug/kg	470	U	1.0	YES	S3VE
Hexachlorobenzene	Target	470	U	ug/kg	470	U	1.0	YES	S3VE
Atrazine	Target	910	U	ug/kg	910	U	1.0	YES	S3VE
Pentachlorophenol	Target	910	U	ug/kg	910	U	1.0	YES	S3VE
Phenanthrene	Target	470	U	ug/kg	470	U	1.0	YES	S3VE

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED04C

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Anthracene	Target	470	U	ug/kg	470	U	1.0	YES	S3VE
Carbazole	Target	910	U	ug/kg	910	U	1.0	YES	S3VE
Di-n-butylphthalate	Target	470	U	ug/kg	470	U	1.0	YES	S3VE
Fluoranthene	Target	470	U	ug/kg	470	U	1.0	YES	S3VE
Pyrene	Target	470	U	ug/kg	470	U	1.0	YES	S3VE
Butylbenzylphthalate	Target	470	U	ug/kg	470	U	1.0	YES	S3VE
3,3-Dichlorobenzidine	Target	910	U	ug/kg	910	U	1.0	YES	S3VE
Benzo(a)anthracene	Target	470	U	ug/kg	470	U	1.0	YES	S3VE
Chrysene	Target	470	U	ug/kg	470	U	1.0	YES	S3VE
Bis(2-ethylhexyl)phthalate	Target	120	J	ug/kg	120	J	1.0	YES	S3VE
Di-n-octyl phthalate	Target	910	U	ug/kg	910	U	1.0	YES	S3VE
Benzo(b)fluoranthene	Target	470	U	ug/kg	470	U	1.0	YES	S3VE
Benzo(k)fluoranthene	Target	470	U	ug/kg	470	U	1.0	YES	S3VE
Benzo(a)pyrene	Target	470	U	ug/kg	470	U	1.0	YES	S3VE
Indeno(1,2,3-cd)pyrene	Target	470	U	ug/kg	470	U	1.0	YES	S3VE
Dibenzo(a,h)anthracene	Target	470	U	ug/kg	470	U	1.0	YES	S3VE
Benzo(g,h,i)perylene	Target	470	U	ug/kg	470	U	1.0	YES	S3VE
2,3,4,6-Tetrachlorophenol	Target	470	U	ug/kg	470	U	1.0	YES	S3VE
n-Hexadecanoic acid	TIC	290	JN	ug/kg	290	JN	1.0	YES	NV
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV
1-Dodecanol, 2-octyl-	TIC	290	JN	ug/kg	290	JN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED04C

Sample Number: BG569	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED04/SW04	pH:	Sample Date: 04/19/2021	Sample Time: 12:40:00
% Moisture:		% Solids: 36.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
Chloromethane	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
Vinyl chloride	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
Bromomethane	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
Chloroethane	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	28	UJ	ug/kg	28	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
Acetone	Target	200		ug/kg	200		1.0	YES	S3VEM
Carbon disulfide	Target	5.1	J	ug/kg	5.1	J	1.0	YES	S3VEM
Methyl Acetate	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
Methylene chloride	Target	54		ug/kg	54		1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	28	UJ	ug/kg	28	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	28	UJ	ug/kg	28	U	1.0	YES	S3VEM
2-Butanone	Target	57	U	ug/kg	57	U	1.0	YES	S3VEM
Bromochloromethane	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
Chloroform	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
Cyclohexane	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
Benzene	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
Trichloroethene	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
Methylcyclohexane	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
Bromodichloromethane	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	57	U	ug/kg	57	U	1.0	YES	S3VEM
Toluene	Target	28	U	ug/kg	5	JB	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
Tetrachloroethene	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
2-Hexanone	Target	57	U	ug/kg	57	U	1.0	YES	S3VEM
Dibromochloromethane	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
Chlorobenzene	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
Ethylbenzene	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
o-Xylene	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
m,p-Xylene	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
Styrene	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
Bromoform	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
Isopropylbenzene	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED04C

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV
Sulfurous acid, 2-ethylhexyl octad	TIC	14	JN	ug/kg	14	JN	1.0	YES	NV
Decahydro-4,4,8,9,10-pentamethylna	TIC	210	JN	ug/kg	210	JN	1.0	YES	NV
Naphthalene, 2,3-dimethyl-	TIC	97	JN	ug/kg	97	JN	1.0	YES	NV
Dimethyl sulfide	TIC	32	JN	ug/kg	32	JN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED05A

Sample Number: BG570	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: SED05	pH:	Sample Date: 04/19/2021	Sample Time: 13:20:00
% Moisture:		% Solids: 42.4	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	78	U	ug/kg	78	U	1.0	YES	S3VEM
Aroclor-1221	Target	78	U	ug/kg	78	U	1.0	YES	S3VEM
Aroclor-1232	Target	78	U	ug/kg	78	U	1.0	YES	S3VEM
Aroclor-1242	Target	78	U	ug/kg	78	U	1.0	YES	S3VEM
Aroclor-1248	Target	50	J	ug/kg	50	J	1.0	YES	S3VEM
Aroclor-1254	Target	40	J	ug/kg	40	JP	1.0	YES	S3VEM
Aroclor-1260	Target	78	U	ug/kg	78	U	1.0	YES	S3VEM
Aroclor-1262	Target	78	U	ug/kg	78	U	1.0	YES	S3VEM
Aroclor-1268	Target	78	U	ug/kg	78	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED05A

Sample Number: BG570	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: SED05	pH:	Sample Date: 04/19/2021	Sample Time: 13:20:00
% Moisture:		% Solids: 42.4	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S3VEM
beta-BHC	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S3VEM
delta-BHC	Target	0.95	J	ug/kg	0.95	JP	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S3VEM
Heptachlor	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S3VEM
Aldrin	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S3VEM
Endosulfan I	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S3VEM
Dieldrin	Target	2.7	J	ug/kg	2.7	JP	1.0	YES	S3VEM
4,4'-DDE	Target	4.9	J	ug/kg	4.9	JP	1.0	YES	S3VEM
Endrin	Target	1.1	J	ug/kg	1.1	JP	1.0	YES	S3VEM
Endosulfan II	Target	7.8	U	ug/kg	7.8	U	1.0	YES	S3VEM
4,4'-DDD	Target	4.3	J	ug/kg	4.3	JP	1.0	YES	S3VEM
Endosulfan Sulfate	Target	0.63	J	ug/kg	0.63	JP	1.0	YES	S3VEM
4,4'-DDT	Target	7.8	U	ug/kg	7.8	U	1.0	YES	S3VEM
Methoxychlor	Target	40	U	ug/kg	40	U	1.0	YES	S3VEM
Endrin ketone	Target	7.8	U	ug/kg	7.8	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	7.8	U	ug/kg	7.8	U	1.0	YES	S3VEM
cis-Chlordane	Target	2.7	J	ug/kg	2.7	J	1.0	YES	S3VEM
trans-Chlordane	Target	4.5		ug/kg	4.5		1.0	YES	S3VEM
Toxaphene	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED05A

Sample Number: BG570	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SED05	pH:	Sample Date: 04/19/2021	Sample Time: 13:20:00
% Moisture:		% Solids: 42.4	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	160	UJ	ug/kg	160	U	1.0	YES	S3VE
Benzaldehyde	Target	780	U	ug/kg	780	U	1.0	YES	S3VE
Phenol	Target	100	J	ug/kg	100	J	1.0	YES	S3VE
Bis(2-Chloroethyl)ether	Target	780	U	ug/kg	780	U	1.0	YES	S3VE
2-Chlorophenol	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
2-Methylphenol	Target	780	U	ug/kg	780	U	1.0	YES	S3VE
2,2-oxybis(1-Chloropropane)	Target	780	U	ug/kg	780	U	1.0	YES	S3VE
Acetophenone	Target	780	U	ug/kg	780	U	1.0	YES	S3VE
4-Methylphenol	Target	780	U	ug/kg	780	U	1.0	YES	S3VE
N-Nitroso-di-n-propylamine	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
Hexachloroethane	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
Nitrobenzene	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
Isophorone	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
2-Nitrophenol	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
2,4-Dimethylphenol	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
Bis(2-Chloroethoxy)methane	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
2,4-Dichlorophenol	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
Naphthalene	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
4-Chloroaniline	Target	780	U	ug/kg	780	U	1.0	YES	S3VE
Hexachlorobutadiene	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
Caprolactam	Target	780	U	ug/kg	780	U	1.0	YES	S3VE
4-Chloro-3-methylphenol	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
1-Methylnaphthalene	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
2-Methylnaphthalene	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
Hexachlorocyclopentadiene	Target	780	U	ug/kg	780	U	1.0	YES	S3VE
2,4,6-Trichlorophenol	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
2,4,5-Trichlorophenol	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
1,1-Biphenyl	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
2-Chloronaphthalene	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
2-Nitroaniline	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
Dimethylphthalate	Target	310	J	ug/kg	310	J	1.0	YES	S3VE
2,6-Dinitrotoluene	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
Acenaphthylene	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
3-Nitroaniline	Target	780	U	ug/kg	780	U	1.0	YES	S3VE
Acenaphthene	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
2,4-Dinitrophenol	Target	780	U	ug/kg	780	U	1.0	YES	S3VE
4-Nitrophenol	Target	780	U	ug/kg	780	U	1.0	YES	S3VE
Dibenzofuran	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
2,4-Dinitrotoluene	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
Diethylphthalate	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
Fluorene	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
4-Chlorophenyl-phenylether	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
4-Nitroaniline	Target	780	U	ug/kg	780	U	1.0	YES	S3VE
4,6-Dinitro-2-methylphenol	Target	780	U	ug/kg	780	U	1.0	YES	S3VE
N-Nitrosodiphenylamine	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
1,2,4,5-Tetrachlorobenzene	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
4-Bromophenyl-phenylether	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
Hexachlorobenzene	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
Atrazine	Target	780	U	ug/kg	780	U	1.0	YES	S3VE
Pentachlorophenol	Target	780	U	ug/kg	780	U	1.0	YES	S3VE
Phenanthrene	Target	110	J	ug/kg	110	J	1.0	YES	S3VE

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED05A

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Anthracene	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
Carbazole	Target	780	U	ug/kg	780	U	1.0	YES	S3VE
Di-n-butylphthalate	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
Fluoranthene	Target	160	J	ug/kg	160	J	1.0	YES	S3VE
Pyrene	Target	170	J	ug/kg	170	J	1.0	YES	S3VE
Butylbenzylphthalate	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
3,3-Dichlorobenzidine	Target	780	U	ug/kg	780	U	1.0	YES	S3VE
Benzo(a)anthracene	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
Chrysene	Target	85	J	ug/kg	85	J	1.0	YES	S3VE
Bis(2-ethylhexyl)phthalate	Target	360	J	ug/kg	360	J	1.0	YES	S3VE
Di-n-octyl phthalate	Target	780	U	ug/kg	780	U	1.0	YES	S3VE
Benzo(b)fluoranthene	Target	87	J	ug/kg	87	J	1.0	YES	S3VE
Benzo(k)fluoranthene	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
Benzo(a)pyrene	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
Indeno(1,2,3-cd)pyrene	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
Dibenzo(a,h)anthracene	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
Benzo(g,h,i)perylene	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
2,3,4,6-Tetrachlorophenol	Target	400	U	ug/kg	400	U	1.0	YES	S3VE
Anthracene, 2-methyl-	TIC	220	JN	ug/kg	220	JN	1.0	YES	NV
Phenanthrene, 1,7-dimethyl-	TIC	180	JN	ug/kg	180	JN	1.0	YES	NV
unknown-02	TIC	180	J	ug/kg	180	J	1.0	YES	NV
unknown-03	TIC	1600	J	ug/kg	1600	J	1.0	YES	NV
Dodecyl isobutyl carbonate	TIC	170	JN	ug/kg	170	JN	1.0	YES	NV
unknown-01	TIC	170	J	ug/kg	170	J	1.0	YES	NV
Total Alkanes	TIC	2700	N	ug/kg	2700	N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED05A

Sample Number: BG570	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED05	pH:	Sample Date: 04/19/2021	Sample Time: 13:20:00
% Moisture:		% Solids: 42.4	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
Chloromethane	Target	19	UJ	ug/kg	19	U	1.0	YES	S3VEM
Vinyl chloride	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
Bromomethane	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
Chloroethane	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	19	UJ	ug/kg	19	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
Acetone	Target	190		ug/kg	190		1.0	YES	S3VEM
Carbon disulfide	Target	7.2	J	ug/kg	7.2	J	1.0	YES	S3VEM
Methyl Acetate	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
Methylene chloride	Target	29		ug/kg	29		1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	19	UJ	ug/kg	19	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	19	UJ	ug/kg	19	U	1.0	YES	S3VEM
2-Butanone	Target	48		ug/kg	48		1.0	YES	S3VEM
Bromochloromethane	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
Chloroform	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
Cyclohexane	Target	3.6	J	ug/kg	3.6	J	1.0	YES	S3VEM
Carbon tetrachloride	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
Benzene	Target	12	J	ug/kg	12	J	1.0	YES	S3VEM
1,2-Dichloroethane	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
Trichloroethene	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
Methylcyclohexane	Target	14	J	ug/kg	14	J	1.0	YES	S3VEM
1,2-Dichloropropane	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
Bromodichloromethane	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	37	U	ug/kg	37	U	1.0	YES	S3VEM
Toluene	Target	19	U	ug/kg	2.8	JB	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
Tetrachloroethene	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
2-Hexanone	Target	37	U	ug/kg	37	U	1.0	YES	S3VEM
Dibromochloromethane	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
Chlorobenzene	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
Ethylbenzene	Target	2.8	J	ug/kg	2.8	J	1.0	YES	S3VEM
o-Xylene	Target	20		ug/kg	20		1.0	YES	S3VEM
m,p-Xylene	Target	8.3	J	ug/kg	8.3	J	1.0	YES	S3VEM
Styrene	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
Bromoform	Target	19	UJ	ug/kg	19	U	1.0	YES	S3VEM
Isopropylbenzene	Target	19	UJ	ug/kg	19	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	19	UJ	ug/kg	19	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	19	UJ	ug/kg	19	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	19	UJ	ug/kg	19	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	19	UJ	ug/kg	19	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	19	UJ	ug/kg	19	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	19	UJ	ug/kg	19	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED05A

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	19	UJ	ug/kg	19	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	19	UJ	ug/kg	19	U	1.0	YES	S3VEM
unknown-03	TIC	90	J	ug/kg	90	J	1.0	YES	NV
Naphthalene, decahydro-2-methyl-	TIC	340	JN	ug/kg	340	JN	1.0	YES	NV
Oxalic acid, cyclohexylmethyl octy	TIC	170	JN	ug/kg	170	JN	1.0	YES	NV
unknown-01	TIC	250	J	ug/kg	250	J	1.0	YES	NV
Total Alkanes	TIC	4300	BN	ug/kg	4300	BN	1.0	YES	NV
1,1-Dimethyl-1-silacyclo-3-pentene	TIC	130	JN	ug/kg	130	JN	1.0	YES	NV
unknown-04	TIC	160	J	ug/kg	160	J	1.0	YES	NV
unknown-02	TIC	74	J	ug/kg	74	J	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Sample Number: BG570ME	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED05	pH:	Sample Date: 04/19/2021	Sample Time: 13:20:00
% Moisture:		% Solids: 42.4	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Chloromethane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Vinyl chloride	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Bromomethane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Chloroethane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Trichlorofluoromethane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,1-Dichloroethene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Acetone	Target	2400	U	ug/kg	2400	U	1.0	NO	S3VEM
Carbon disulfide	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Methyl Acetate	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Methylene chloride	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
trans-1,2-Dichloroethene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Methyl tert-butyl Ether	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,1-Dichloroethane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
cis-1,2-Dichloroethene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
2-Butanone	Target	2400	U	ug/kg	2400	U	1.0	NO	S3VEM
Bromochloromethane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Chloroform	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,1,1-Trichloroethane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Cyclohexane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Carbon tetrachloride	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Benzene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,2-Dichloroethane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Trichloroethene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Methylcyclohexane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,2-Dichloropropane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Bromodichloromethane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
cis-1,3-Dichloropropene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
4-Methyl-2-pentanone	Target	2400	U	ug/kg	2400	U	1.0	NO	S3VEM
Toluene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
trans-1,3-Dichloropropene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,1,2-Trichloroethane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Tetrachloroethene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
2-Hexanone	Target	2400	U	ug/kg	2400	U	1.0	NO	S3VEM
Dibromochloromethane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,2-Dibromoethane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Chlorobenzene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Ethylbenzene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
o-Xylene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
m,p-Xylene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Styrene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Bromoform	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Isopropylbenzene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,2,3-Trichloropropane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,1,2,2-Tetrachloroethane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,3-Dichlorobenzene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,4-Dichlorobenzene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,2-Dichlorobenzene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,2-Dibromo-3-chloropropane	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,2,4-Trimethylbenzene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,3,5-Trimethylbenzene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
1,2,3-Trichlorobenzene	Target	1200	U	ug/kg	1200	U	1.0	NO	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	NO	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED05B

Sample Number: BG571	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: SED05	pH:	Sample Date: 04/19/2021	Sample Time: 13:35:00
% Moisture:		% Solids: 32	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	100	U	ug/kg	100	U	1.0	YES	S3VEM
Aroclor-1221	Target	100	U	ug/kg	100	U	1.0	YES	S3VEM
Aroclor-1232	Target	100	U	ug/kg	100	U	1.0	YES	S3VEM
Aroclor-1242	Target	100	U	ug/kg	100	U	1.0	YES	S3VEM
Aroclor-1248	Target	71	J	ug/kg	71	J	1.0	YES	S3VEM
Aroclor-1254	Target	33	J	ug/kg	33	J	1.0	YES	S3VEM
Aroclor-1260	Target	100	U	ug/kg	100	U	1.0	YES	S3VEM
Aroclor-1262	Target	100	U	ug/kg	100	U	1.0	YES	S3VEM
Aroclor-1268	Target	100	U	ug/kg	100	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED05B

Sample Number: BG571	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: SED05	pH:	Sample Date: 04/19/2021	Sample Time: 13:35:00
% Moisture:		% Solids: 32	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
beta-BHC	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
delta-BHC	Target	1.3	J	ug/kg	1.3	JP	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
Heptachlor	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
Aldrin	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
Endosulfan I	Target	5.3	U	ug/kg	5.3	U	1.0	YES	S3VEM
Dieldrin	Target	0.96	NJ	ug/kg	0.96	JP	1.0	YES	S3VEM
4,4'-DDE	Target	2.1	J	ug/kg	2.1	JP	1.0	YES	S3VEM
Endrin	Target	0.88	J	ug/kg	0.88	JP	1.0	YES	S3VEM
Endosulfan II	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
4,4'-DDD	Target	2.0	J	ug/kg	2.0	JP	1.0	YES	S3VEM
Endosulfan Sulfate	Target	0.60	J	ug/kg	0.60	J	1.0	YES	S3VEM
4,4'-DDT	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Methoxychlor	Target	53	U	ug/kg	53	U	1.0	YES	S3VEM
Endrin ketone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
cis-Chlordane	Target	1.9	J	ug/kg	1.9	J	1.0	YES	S3VEM
trans-Chlordane	Target	2.7	J	ug/kg	2.7	JP	1.0	YES	S3VEM
Toxaphene	Target	530	U	ug/kg	530	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED05B

Sample Number: BG571	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SED05	pH:	Sample Date: 04/19/2021	Sample Time: 13:35:00
% Moisture:		% Solids: 32	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	210	U	ug/kg	210	U	1.0	YES	S3VE
Benzaldehyde	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VE
Phenol	Target	130	J	ug/kg	130	J	1.0	YES	S3VE
Bis(2-Chloroethyl)ether	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VE
2-Chlorophenol	Target	530	U	ug/kg	530	U	1.0	YES	S3VE
2-Methylphenol	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VE
2,2-oxybis(1-Chloropropane)	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VE
Acetophenone	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VE
4-Methylphenol	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VE
N-Nitroso-di-n-propylamine	Target	530	U	ug/kg	530	U	1.0	YES	S3VE
Hexachloroethane	Target	530	U	ug/kg	530	U	1.0	YES	S3VE
Nitrobenzene	Target	530	U	ug/kg	530	U	1.0	YES	S3VE
Isophorone	Target	530	U	ug/kg	530	U	1.0	YES	S3VE
2-Nitrophenol	Target	530	U	ug/kg	530	U	1.0	YES	S3VE
2,4-Dimethylphenol	Target	530	U	ug/kg	530	U	1.0	YES	S3VE
Bis(2-Chloroethoxy)methane	Target	530	U	ug/kg	530	U	1.0	YES	S3VE
2,4-Dichlorophenol	Target	530	U	ug/kg	530	U	1.0	YES	S3VE
Naphthalene	Target	530	U	ug/kg	530	U	1.0	YES	S3VE
4-Chloroaniline	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VE
Hexachlorobutadiene	Target	530	U	ug/kg	530	U	1.0	YES	S3VE
Caprolactam	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VE
4-Chloro-3-methylphenol	Target	530	U	ug/kg	530	U	1.0	YES	S3VE
1-Methylnaphthalene	Target	530	U	ug/kg	530	U	1.0	YES	S3VE
2-Methylnaphthalene	Target	530	U	ug/kg	530	U	1.0	YES	S3VE
Hexachlorocyclopentadiene	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VE
2,4,6-Trichlorophenol	Target	530	U	ug/kg	530	U	1.0	YES	S3VE
2,4,5-Trichlorophenol	Target	530	U	ug/kg	530	U	1.0	YES	S3VE
1,1-Biphenyl	Target	530	U	ug/kg	530	U	1.0	YES	S3VE
2-Chloronaphthalene	Target	530	U	ug/kg	530	U	1.0	YES	S3VE
2-Nitroaniline	Target	530	U	ug/kg	530	U	1.0	YES	S3VE
Dimethylphthalate	Target	400	J	ug/kg	400	J	1.0	YES	S3VE
2,6-Dinitrotoluene	Target	530	U	ug/kg	530	U	1.0	YES	S3VE
Acenaphthylene	Target	530	U	ug/kg	530	U	1.0	YES	S3VE
3-Nitroaniline	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VE
Acenaphthene	Target	530	U	ug/kg	530	U	1.0	YES	S3VE
2,4-Dinitrophenol	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VE
4-Nitrophenol	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VE
Dibenzofuran	Target	530	U	ug/kg	530	U	1.0	YES	S3VE
2,4-Dinitrotoluene	Target	530	U	ug/kg	530	U	1.0	YES	S3VE
Diethylphthalate	Target	530	U	ug/kg	530	U	1.0	YES	S3VE
Fluorene	Target	530	U	ug/kg	530	U	1.0	YES	S3VE
4-Chlorophenyl-phenylether	Target	530	U	ug/kg	530	U	1.0	YES	S3VE
4-Nitroaniline	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VE
4,6-Dinitro-2-methylphenol	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VE
N-Nitrosodiphenylamine	Target	530	U	ug/kg	530	U	1.0	YES	S3VE
1,2,4,5-Tetrachlorobenzene	Target	530	U	ug/kg	530	U	1.0	YES	S3VE
4-Bromophenyl-phenylether	Target	530	U	ug/kg	530	U	1.0	YES	S3VE
Hexachlorobenzene	Target	530	U	ug/kg	530	U	1.0	YES	S3VE
Atrazine	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VE
Pentachlorophenol	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VE
Phenanthrene	Target	530	U	ug/kg	530	U	1.0	YES	S3VE
Anthracene	Target	530	U	ug/kg	530	U	1.0	YES	S3VE
Carbazole	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VE

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED05B

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	530	U	ug/kg	530	U	1.0	YES	S3VE
Fluoranthene	Target	530	U	ug/kg	530	U	1.0	YES	S3VE
Pyrene	Target	530	U	ug/kg	530	U	1.0	YES	S3VE
Butylbenzylphthalate	Target	530	U	ug/kg	530	U	1.0	YES	S3VE
3,3-Dichlorobenzidine	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VE
Benzo(a)anthracene	Target	530	U	ug/kg	530	U	1.0	YES	S3VE
Chrysene	Target	530	U	ug/kg	530	U	1.0	YES	S3VE
Bis(2-ethylhexyl)phthalate	Target	270	J	ug/kg	270	J	1.0	YES	S3VE
Di-n-octyl phthalate	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VE
Benzo(b)fluoranthene	Target	530	U	ug/kg	530	U	1.0	YES	S3VE
Benzo(k)fluoranthene	Target	530	U	ug/kg	530	U	1.0	YES	S3VE
Benzo(a)pyrene	Target	530	U	ug/kg	530	U	1.0	YES	S3VE
Indeno(1,2,3-cd)pyrene	Target	530	U	ug/kg	530	U	1.0	YES	S3VE
Dibenzo(a,h)anthracene	Target	530	U	ug/kg	530	U	1.0	YES	S3VE
Benzo(g,h,i)perylene	Target	530	U	ug/kg	530	U	1.0	YES	S3VE
2,3,4,6-Tetrachlorophenol	Target	530	U	ug/kg	530	U	1.0	YES	S3VE
n-Tetracosanol-1	TIC	220	JN	ug/kg	220	JN	1.0	YES	NV
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV
Sulfurous acid, 2-ethylhexyl tride	TIC	250	JN	ug/kg	250	JN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED05B

Sample Number: BG571	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED05	pH:	Sample Date: 04/19/2021	Sample Time: 13:35:00
% Moisture:		% Solids: 32	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
Chloromethane	Target	28	UJ	ug/kg	28	U	1.0	YES	S3VEM
Vinyl chloride	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
Bromomethane	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
Chloroethane	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	28	UJ	ug/kg	28	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	28	UJ	ug/kg	28	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	28	UJ	ug/kg	28	U	1.0	YES	S3VEM
Acetone	Target	250		ug/kg	250		1.0	YES	S3VEM
Carbon disulfide	Target	17	J	ug/kg	17	J	1.0	YES	S3VEM
Methyl Acetate	Target	28	UJ	ug/kg	28	U	1.0	YES	S3VEM
Methylene chloride	Target	46	J-	ug/kg	46		1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	28	UJ	ug/kg	28	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	28	UJ	ug/kg	28	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	28	UJ	ug/kg	28	U	1.0	YES	S3VEM
2-Butanone	Target	55	U	ug/kg	55	U	1.0	YES	S3VEM
Bromochloromethane	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
Chloroform	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	28	UJ	ug/kg	28	U	1.0	YES	S3VEM
Cyclohexane	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	28	UJ	ug/kg	28	U	1.0	YES	S3VEM
Benzene	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	28	UJ	ug/kg	28	U	1.0	YES	S3VEM
Trichloroethene	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
Methylcyclohexane	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
Bromodichloromethane	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	55	U	ug/kg	55	U	1.0	YES	S3VEM
Toluene	Target	28	U	ug/kg	3.8	JB	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
Tetrachloroethene	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
2-Hexanone	Target	55	U	ug/kg	55	U	1.0	YES	S3VEM
Dibromochloromethane	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	28	UJ	ug/kg	28	U	1.0	YES	S3VEM
Chlorobenzene	Target	28	UJ	ug/kg	28	U	1.0	YES	S3VEM
Ethylbenzene	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
o-Xylene	Target	6.6	J	ug/kg	6.6	J	1.0	YES	S3VEM
m,p-Xylene	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
Styrene	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
Bromoform	Target	28	UJ	ug/kg	28	U	1.0	YES	S3VEM
Isopropylbenzene	Target	28	UJ	ug/kg	28	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	28	UJ	ug/kg	28	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	28	UJ	ug/kg	28	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	28	UJ	ug/kg	28	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	28	UJ	ug/kg	28	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	28	UJ	ug/kg	28	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	28	UJ	ug/kg	28	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED05B

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	28	UJ	ug/kg	28	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	28	UJ	ug/kg	28	U	1.0	YES	S3VEM
Naphthalene, decahydro-2-methyl-	TIC	59	JN	ug/kg	59	JN	1.0	YES	NV
Total Alkanes	TIC	1300	BN	ug/kg	1300	BN	1.0	YES	NV
Octyl thioglycolate	TIC	130	JN	ug/kg	130	JN	1.0	YES	NV
unknown-01	TIC	32	J	ug/kg	32	J	1.0	YES	NV
unknown-03	TIC	39	J	ug/kg	39	J	1.0	YES	NV
unknown-02	TIC	100	J	ug/kg	100	J	1.0	YES	NV
Octane, 1,1-oxybis-	TIC	130	JN	ug/kg	130	JN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Sample Number: BG571ME	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED05	pH:	Sample Date: 04/19/2021	Sample Time: 13:35:00
% Moisture:		% Solids: 32	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
Chloromethane	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
Vinyl chloride	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
Bromomethane	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
Chloroethane	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
Trichlorofluoromethane	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
1,1-Dichloroethene	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
Acetone	Target	3300	U	ug/kg	3300	U	1.0	NO	S3VEM
Carbon disulfide	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
Methyl Acetate	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
Methylene chloride	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
trans-1,2-Dichloroethene	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
Methyl tert-butyl Ether	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
1,1-Dichloroethane	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
cis-1,2-Dichloroethene	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
2-Butanone	Target	3300	U	ug/kg	3300	U	1.0	NO	S3VEM
Bromochloromethane	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
Chloroform	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
1,1,1-Trichloroethane	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
Cyclohexane	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
Carbon tetrachloride	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
Benzene	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
1,2-Dichloroethane	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
Trichloroethene	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
Methylcyclohexane	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
1,2-Dichloropropane	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
Bromodichloromethane	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
cis-1,3-Dichloropropene	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
4-Methyl-2-pentanone	Target	3300	U	ug/kg	3300	U	1.0	NO	S3VEM
Toluene	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
trans-1,3-Dichloropropene	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
1,1,2-Trichloroethane	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
Tetrachloroethene	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
2-Hexanone	Target	3300	U	ug/kg	3300	U	1.0	NO	S3VEM
Dibromochloromethane	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
1,2-Dibromoethane	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
Chlorobenzene	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
Ethylbenzene	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
o-Xylene	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
m,p-Xylene	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
Styrene	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
Bromoform	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
Isopropylbenzene	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
1,2,3-Trichloropropane	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
1,1,2,2-Tetrachloroethane	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
1,3-Dichlorobenzene	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
1,4-Dichlorobenzene	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
1,2-Dichlorobenzene	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
1,2-Dibromo-3-chloropropane	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
1,2,4-Trimethylbenzene	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
1,3,5-Trimethylbenzene	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
1,2,3-Trichlorobenzene	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	NO	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED05C

Sample Number: BG572	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: SED05	pH:	Sample Date: 04/19/2021	Sample Time: 13:45:00
% Moisture:		% Solids: 32.4	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	100	U	ug/kg	100	U	1.0	YES	S3VEM
Aroclor-1221	Target	100	U	ug/kg	100	U	1.0	YES	S3VEM
Aroclor-1232	Target	100	U	ug/kg	100	U	1.0	YES	S3VEM
Aroclor-1242	Target	100	U	ug/kg	100	U	1.0	YES	S3VEM
Aroclor-1248	Target	100	U	ug/kg	100	U	1.0	YES	S3VEM
Aroclor-1254	Target	100	U	ug/kg	100	U	1.0	YES	S3VEM
Aroclor-1260	Target	100	U	ug/kg	100	U	1.0	YES	S3VEM
Aroclor-1262	Target	100	U	ug/kg	100	U	1.0	YES	S3VEM
Aroclor-1268	Target	100	U	ug/kg	100	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED05C

Sample Number: BG572	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: SED05	pH:	Sample Date: 04/19/2021	Sample Time: 13:45:00
% Moisture:		% Solids: 32.4	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
beta-BHC	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
delta-BHC	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
Heptachlor	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
Aldrin	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
Endosulfan I	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
Dieldrin	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
4,4'-DDE	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Endrin	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Endosulfan II	Target	0.59	J	ug/kg	0.59	JP	1.0	YES	S3VEM
4,4'-DDD	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
4,4'-DDT	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Methoxychlor	Target	52	U	ug/kg	52	U	1.0	YES	S3VEM
Endrin ketone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
cis-Chlordane	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
trans-Chlordane	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
Toxaphene	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED05C

Sample Number: BG572	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SED05	pH:	Sample Date: 04/19/2021	Sample Time: 13:45:00
% Moisture:		% Solids: 32.4	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	210	UJ	ug/kg	210	U	1.0	YES	S3VE
Benzaldehyde	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VE
Phenol	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VE
Bis(2-Chloroethyl)ether	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VE
2-Chlorophenol	Target	520	U	ug/kg	520	U	1.0	YES	S3VE
2-Methylphenol	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VE
2,2-oxybis(1-Chloropropane)	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VE
Acetophenone	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VE
4-Methylphenol	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VE
N-Nitroso-di-n-propylamine	Target	520	U	ug/kg	520	U	1.0	YES	S3VE
Hexachloroethane	Target	520	U	ug/kg	520	U	1.0	YES	S3VE
Nitrobenzene	Target	520	U	ug/kg	520	U	1.0	YES	S3VE
Isophorone	Target	520	U	ug/kg	520	U	1.0	YES	S3VE
2-Nitrophenol	Target	520	U	ug/kg	520	U	1.0	YES	S3VE
2,4-Dimethylphenol	Target	520	U	ug/kg	520	U	1.0	YES	S3VE
Bis(2-Chloroethoxy)methane	Target	520	U	ug/kg	520	U	1.0	YES	S3VE
2,4-Dichlorophenol	Target	520	U	ug/kg	520	U	1.0	YES	S3VE
Naphthalene	Target	520	U	ug/kg	520	U	1.0	YES	S3VE
4-Chloroaniline	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VE
Hexachlorobutadiene	Target	520	U	ug/kg	520	U	1.0	YES	S3VE
Caprolactam	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VE
4-Chloro-3-methylphenol	Target	520	U	ug/kg	520	U	1.0	YES	S3VE
1-Methylnaphthalene	Target	520	U	ug/kg	520	U	1.0	YES	S3VE
2-Methylnaphthalene	Target	520	U	ug/kg	520	U	1.0	YES	S3VE
Hexachlorocyclopentadiene	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VE
2,4,6-Trichlorophenol	Target	520	U	ug/kg	520	U	1.0	YES	S3VE
2,4,5-Trichlorophenol	Target	520	U	ug/kg	520	U	1.0	YES	S3VE
1,1-Biphenyl	Target	520	U	ug/kg	520	U	1.0	YES	S3VE
2-Chloronaphthalene	Target	520	U	ug/kg	520	U	1.0	YES	S3VE
2-Nitroaniline	Target	520	U	ug/kg	520	U	1.0	YES	S3VE
Dimethylphthalate	Target	220	J	ug/kg	220	J	1.0	YES	S3VE
2,6-Dinitrotoluene	Target	520	U	ug/kg	520	U	1.0	YES	S3VE
Acenaphthylene	Target	520	U	ug/kg	520	U	1.0	YES	S3VE
3-Nitroaniline	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VE
Acenaphthene	Target	520	U	ug/kg	520	U	1.0	YES	S3VE
2,4-Dinitrophenol	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VE
4-Nitrophenol	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VE
Dibenzofuran	Target	520	U	ug/kg	520	U	1.0	YES	S3VE
2,4-Dinitrotoluene	Target	520	U	ug/kg	520	U	1.0	YES	S3VE
Diethylphthalate	Target	520	U	ug/kg	520	U	1.0	YES	S3VE
Fluorene	Target	520	U	ug/kg	520	U	1.0	YES	S3VE
4-Chlorophenyl-phenylether	Target	520	U	ug/kg	520	U	1.0	YES	S3VE
4-Nitroaniline	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VE
4,6-Dinitro-2-methylphenol	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VE
N-Nitrosodiphenylamine	Target	520	U	ug/kg	520	U	1.0	YES	S3VE
1,2,4,5-Tetrachlorobenzene	Target	520	U	ug/kg	520	U	1.0	YES	S3VE
4-Bromophenyl-phenylether	Target	520	U	ug/kg	520	U	1.0	YES	S3VE
Hexachlorobenzene	Target	520	U	ug/kg	520	U	1.0	YES	S3VE
Atrazine	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VE
Pentachlorophenol	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VE
Phenanthrene	Target	520	U	ug/kg	520	U	1.0	YES	S3VE

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED05C

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Anthracene	Target	520	U	ug/kg	520	U	1.0	YES	S3VE
Carbazole	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VE
Di-n-butylphthalate	Target	520	U	ug/kg	520	U	1.0	YES	S3VE
Fluoranthene	Target	520	U	ug/kg	520	U	1.0	YES	S3VE
Pyrene	Target	520	U	ug/kg	520	U	1.0	YES	S3VE
Butylbenzylphthalate	Target	520	U	ug/kg	520	U	1.0	YES	S3VE
3,3-Dichlorobenzidine	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VE
Benzo(a)anthracene	Target	520	U	ug/kg	520	U	1.0	YES	S3VE
Chrysene	Target	520	U	ug/kg	520	U	1.0	YES	S3VE
Bis(2-ethylhexyl)phthalate	Target	520	U	ug/kg	520	U	1.0	YES	S3VE
Di-n-octyl phthalate	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VE
Benzo(b)fluoranthene	Target	520	U	ug/kg	520	U	1.0	YES	S3VE
Benzo(k)fluoranthene	Target	520	U	ug/kg	520	U	1.0	YES	S3VE
Benzo(a)pyrene	Target	520	U	ug/kg	520	U	1.0	YES	S3VE
Indeno(1,2,3-cd)pyrene	Target	520	U	ug/kg	520	U	1.0	YES	S3VE
Dibenzo(a,h)anthracene	Target	520	U	ug/kg	520	U	1.0	YES	S3VE
Benzo(g,h,i)perylene	Target	520	U	ug/kg	520	U	1.0	YES	S3VE
2,3,4,6-Tetrachlorophenol	Target	520	U	ug/kg	520	U	1.0	YES	S3VE
Total Alkanes	TIC		B	ug/kg		B	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED05C

Sample Number: BG572	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED05	pH:	Sample Date: 04/19/2021	Sample Time: 13:45:00
% Moisture:		% Solids: 32.4	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Chloromethane	Target	25	UJ	ug/kg	25	U	1.0	YES	S3VEM
Vinyl chloride	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Bromomethane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Chloroethane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	25	UJ	ug/kg	25	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	25	UJ	ug/kg	25	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	25	UJ	ug/kg	25	U	1.0	YES	S3VEM
Acetone	Target	110		ug/kg	110		1.0	YES	S3VEM
Carbon disulfide	Target	4.3	J	ug/kg	4.3	J	1.0	YES	S3VEM
Methyl Acetate	Target	25	UJ	ug/kg	25	U	1.0	YES	S3VEM
Methylene chloride	Target	38	J-	ug/kg	38		1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	25	UJ	ug/kg	25	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	25	UJ	ug/kg	25	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	25	UJ	ug/kg	25	U	1.0	YES	S3VEM
2-Butanone	Target	50	U	ug/kg	50	U	1.0	YES	S3VEM
Bromochloromethane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Chloroform	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	25	UJ	ug/kg	25	U	1.0	YES	S3VEM
Cyclohexane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	25	UJ	ug/kg	25	U	1.0	YES	S3VEM
Benzene	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	25	UJ	ug/kg	25	U	1.0	YES	S3VEM
Trichloroethene	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Methylcyclohexane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Bromodichloromethane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	50	U	ug/kg	50	U	1.0	YES	S3VEM
Toluene	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Tetrachloroethene	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
2-Hexanone	Target	50	U	ug/kg	50	U	1.0	YES	S3VEM
Dibromochloromethane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	25	UJ	ug/kg	25	U	1.0	YES	S3VEM
Chlorobenzene	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Ethylbenzene	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
o-Xylene	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
m,p-Xylene	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Styrene	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Bromoform	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Isopropylbenzene	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED05C

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Dimethyl sulfide	TIC	14	JN	ug/kg	14	JN	1.0	YES	NV
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Sample Number: PBLK896	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
beta-BHC	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
delta-BHC	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
Heptachlor	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
Aldrin	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
Endosulfan I	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
Dieldrin	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
4,4'-DDE	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
Endrin	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
Endosulfan II	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
4,4'-DDD	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
4,4'-DDT	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
Methoxychlor	Target	17	U	ug/kg	17	U	1.0	YES	S3VEM
Endrin ketone	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
cis-Chlordane	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
trans-Chlordane	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
Toxaphene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Sample Number: PLCS896	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Spike	1.3	J	ug/kg	1.3	J	1.0	YES	S3VEM
beta-BHC	Spike	1.3	J	ug/kg	1.3	J	1.0	YES	S3VEM
delta-BHC	Spike	1.2	J	ug/kg	1.2	J	1.0	YES	S3VEM
gamma-BHC (Lindane)	Spike	1.3	J	ug/kg	1.3	J	1.0	YES	S3VEM
Heptachlor	Spike	1.2	J	ug/kg	1.2	J	1.0	YES	S3VEM
Aldrin	Spike	1.2	J	ug/kg	1.2	J	1.0	YES	S3VEM
Heptachlor epoxide	Spike	1.3	J	ug/kg	1.3	J	1.0	YES	S3VEM
Endosulfan I	Spike	1.3	J	ug/kg	1.3	J	1.0	YES	S3VEM
Dieldrin	Spike	2.5	J	ug/kg	2.5	J	1.0	YES	S3VEM
4,4'-DDE	Spike	2.4	J	ug/kg	2.4	J	1.0	YES	S3VEM
Endrin	Spike	2.7	J	ug/kg	2.7	J	1.0	YES	S3VEM
Endosulfan II	Spike	2.6	J	ug/kg	2.6	J	1.0	YES	S3VEM
4,4'-DDD	Spike	2.5	J	ug/kg	2.5	J	1.0	YES	S3VEM
Endosulfan Sulfate	Spike	2.5	J	ug/kg	2.5	J	1.0	YES	S3VEM
4,4'-DDT	Spike	2.1	J	ug/kg	2.1	J	1.0	YES	S3VEM
Methoxychlor	Spike	12	J	ug/kg	12	J	1.0	YES	S3VEM
Endrin ketone	Spike	2.5	J	ug/kg	2.5	J	1.0	YES	S3VEM
Endrin Aldehyde	Spike	2.7	J	ug/kg	2.7	J	1.0	YES	S3VEM
cis-Chlordane	Spike	1.2	J	ug/kg	1.2	J	1.0	YES	S3VEM
trans-Chlordane	Spike	1.3	J	ug/kg	1.3	J	1.0	YES	S3VEM
Toxaphene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Sample Number: SBLK895	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	67	U	ug/kg	67	U	1.0	YES	S3VE
Benzaldehyde	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
Phenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
Bis(2-Chloroethyl)ether	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
2-Chlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S3VE
2-Methylphenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
2,2-oxybis(1-Chloropropane)	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
Acetophenone	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
4-Methylphenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
N-Nitroso-di-n-propylamine	Target	170	U	ug/kg	170	U	1.0	YES	S3VE
Hexachloroethane	Target	170	U	ug/kg	170	U	1.0	YES	S3VE
Nitrobenzene	Target	170	U	ug/kg	170	U	1.0	YES	S3VE
Isophorone	Target	170	U	ug/kg	170	U	1.0	YES	S3VE
2-Nitrophenol	Target	170	U	ug/kg	170	U	1.0	YES	S3VE
2,4-Dimethylphenol	Target	170	U	ug/kg	170	U	1.0	YES	S3VE
Bis(2-Chloroethoxy)methane	Target	170	U	ug/kg	170	U	1.0	YES	S3VE
2,4-Dichlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S3VE
Naphthalene	Target	170	U	ug/kg	170	U	1.0	YES	S3VE
4-Chloroaniline	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
Hexachlorobutadiene	Target	170	U	ug/kg	170	U	1.0	YES	S3VE
Caprolactam	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
4-Chloro-3-methylphenol	Target	170	U	ug/kg	170	U	1.0	YES	S3VE
1-Methylnaphthalene	Target	170	U	ug/kg	170	U	1.0	YES	S3VE
2-Methylnaphthalene	Target	170	U	ug/kg	170	U	1.0	YES	S3VE
Hexachlorocyclopentadiene	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
2,4,6-Trichlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S3VE
2,4,5-Trichlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S3VE
1,1-Biphenyl	Target	170	U	ug/kg	170	U	1.0	YES	S3VE
2-Chloronaphthalene	Target	170	U	ug/kg	170	U	1.0	YES	S3VE
2-Nitroaniline	Target	170	U	ug/kg	170	U	1.0	YES	S3VE
Dimethylphthalate	Target	170	U	ug/kg	170	U	1.0	YES	S3VE
2,6-Dinitrotoluene	Target	170	U	ug/kg	170	U	1.0	YES	S3VE
Acenaphthylene	Target	170	U	ug/kg	170	U	1.0	YES	S3VE
3-Nitroaniline	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
Acenaphthene	Target	170	U	ug/kg	170	U	1.0	YES	S3VE
2,4-Dinitrophenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
4-Nitrophenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
Dibenzofuran	Target	170	U	ug/kg	170	U	1.0	YES	S3VE
2,4-Dinitrotoluene	Target	170	U	ug/kg	170	U	1.0	YES	S3VE
Diethylphthalate	Target	170	U	ug/kg	170	U	1.0	YES	S3VE
Fluorene	Target	170	U	ug/kg	170	U	1.0	YES	S3VE
4-Chlorophenyl-phenylether	Target	170	U	ug/kg	170	U	1.0	YES	S3VE
4-Nitroaniline	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
4,6-Dinitro-2-methylphenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
N-Nitrosodiphenylamine	Target	170	U	ug/kg	170	U	1.0	YES	S3VE
1,2,4,5-Tetrachlorobenzene	Target	170	U	ug/kg	170	U	1.0	YES	S3VE
4-Bromophenyl-phenylether	Target	170	U	ug/kg	170	U	1.0	YES	S3VE
Hexachlorobenzene	Target	170	U	ug/kg	170	U	1.0	YES	S3VE
Atrazine	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
Pentachlorophenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
Phenanthrene	Target	170	U	ug/kg	170	U	1.0	YES	S3VE

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Anthracene	Target	170	U	ug/kg	170	U	1.0	YES	S3VE
Carbazole	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
Di-n-butylphthalate	Target	170	U	ug/kg	170	U	1.0	YES	S3VE
Fluoranthene	Target	170	U	ug/kg	170	U	1.0	YES	S3VE
Pyrene	Target	170	U	ug/kg	170	U	1.0	YES	S3VE
Butylbenzylphthalate	Target	170	U	ug/kg	170	U	1.0	YES	S3VE
3,3-Dichlorobenzidine	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
Benzo(a)anthracene	Target	170	U	ug/kg	170	U	1.0	YES	S3VE
Chrysene	Target	170	U	ug/kg	170	U	1.0	YES	S3VE
Bis(2-ethylhexyl)phthalate	Target	170	U	ug/kg	170	U	1.0	YES	S3VE
Di-n-octyl phthalate	Target	330	U	ug/kg	330	U	1.0	YES	S3VE
Benzo(b)fluoranthene	Target	170	U	ug/kg	170	U	1.0	YES	S3VE
Benzo(k)fluoranthene	Target	170	U	ug/kg	170	U	1.0	YES	S3VE
Benzo(a)pyrene	Target	170	U	ug/kg	170	U	1.0	YES	S3VE
Indeno(1,2,3-cd)pyrene	Target	170	U	ug/kg	170	U	1.0	YES	S3VE
Dibenzo(a,h)anthracene	Target	170	U	ug/kg	170	U	1.0	YES	S3VE
Benzo(g,h,i)perylene	Target	170	U	ug/kg	170	U	1.0	YES	S3VE
2,3,4,6-Tetrachlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S3VE
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Sample Number: SLCS895	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Spike	300		ug/kg	300		1.0	YES	S3VE
Benzaldehyde	Spike	1100		ug/kg	1100		1.0	YES	S3VE
Phenol	Spike	920		ug/kg	920		1.0	YES	S3VE
Bis(2-Chloroethyl)ether	Spike	990		ug/kg	990		1.0	YES	S3VE
2-Chlorophenol	Spike	970		ug/kg	970		1.0	YES	S3VE
2-Methylphenol	Spike	940		ug/kg	940		1.0	YES	S3VE
2,2-oxybis(1-Chloropropane)	Spike	1000		ug/kg	1000		1.0	YES	S3VE
Acetophenone	Spike	1000		ug/kg	1000		1.0	YES	S3VE
4-Methylphenol	Spike	960		ug/kg	960		1.0	YES	S3VE
N-Nitroso-di-n-propylamine	Spike	1100		ug/kg	1100		1.0	YES	S3VE
Hexachloroethane	Spike	1100		ug/kg	1100		1.0	YES	S3VE
Nitrobenzene	Spike	1000		ug/kg	1000		1.0	YES	S3VE
Isophorone	Spike	1100		ug/kg	1100		1.0	YES	S3VE
2-Nitrophenol	Spike	970		ug/kg	970		1.0	YES	S3VE
2,4-Dimethylphenol	Spike	940		ug/kg	940		1.0	YES	S3VE
Bis(2-Chloroethoxy)methane	Spike	1000		ug/kg	1000		1.0	YES	S3VE
2,4-Dichlorophenol	Spike	980		ug/kg	980		1.0	YES	S3VE
Naphthalene	Spike	990		ug/kg	990		1.0	YES	S3VE
4-Chloroaniline	Spike	890		ug/kg	890		1.0	YES	S3VE
Hexachlorobutadiene	Spike	990		ug/kg	990		1.0	YES	S3VE
Caprolactam	Spike	1000		ug/kg	1000		1.0	YES	S3VE
4-Chloro-3-methylphenol	Spike	1000		ug/kg	1000		1.0	YES	S3VE
1-Methylnaphthalene	Spike	1000		ug/kg	1000		1.0	YES	S3VE
2-Methylnaphthalene	Spike	1000		ug/kg	1000		1.0	YES	S3VE
Hexachlorocyclopentadiene	Spike	900		ug/kg	900		1.0	YES	S3VE
2,4,6-Trichlorophenol	Spike	1000		ug/kg	1000		1.0	YES	S3VE
2,4,5-Trichlorophenol	Spike	1000		ug/kg	1000		1.0	YES	S3VE
1,1-Biphenyl	Spike	1100		ug/kg	1100		1.0	YES	S3VE
2-Chloronaphthalene	Spike	1100		ug/kg	1100		1.0	YES	S3VE
2-Nitroaniline	Spike	1200		ug/kg	1200		1.0	YES	S3VE
Dimethylphthalate	Spike	1100		ug/kg	1100		1.0	YES	S3VE
2,6-Dinitrotoluene	Spike	1200		ug/kg	1200		1.0	YES	S3VE
Acenaphthylene	Spike	1100		ug/kg	1100		1.0	YES	S3VE
3-Nitroaniline	Spike	950		ug/kg	950		1.0	YES	S3VE
Acenaphthene	Spike	1100		ug/kg	1100		1.0	YES	S3VE
2,4-Dinitrophenol	Spike	1300		ug/kg	1300		1.0	YES	S3VE
4-Nitrophenol	Spike	1000		ug/kg	1000		1.0	YES	S3VE
Dibenzofuran	Spike	1100		ug/kg	1100		1.0	YES	S3VE
2,4-Dinitrotoluene	Spike	1300		ug/kg	1300		1.0	YES	S3VE
Diethylphthalate	Spike	1100		ug/kg	1100		1.0	YES	S3VE
Fluorene	Spike	1100		ug/kg	1100		1.0	YES	S3VE
4-Chlorophenyl-phenylether	Spike	1100		ug/kg	1100		1.0	YES	S3VE
4-Nitroaniline	Spike	1100		ug/kg	1100		1.0	YES	S3VE
4,6-Dinitro-2-methylphenol	Spike	960		ug/kg	960		1.0	YES	S3VE
N-Nitrosodiphenylamine	Spike	1100		ug/kg	1100		1.0	YES	S3VE
1,2,4,5-Tetrachlorobenzene	Spike	1000		ug/kg	1000		1.0	YES	S3VE
4-Bromophenyl-phenylether	Spike	1200		ug/kg	1200		1.0	YES	S3VE
Hexachlorobenzene	Spike	1100		ug/kg	1100		1.0	YES	S3VE
Atrazine	Spike	1000		ug/kg	1000		1.0	YES	S3VE
Pentachlorophenol	Spike	910		ug/kg	910		1.0	YES	S3VE
Phenanthrene	Spike	1100		ug/kg	1100		1.0	YES	S3VE

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Anthracene	Spike	1100		ug/kg	1100		1.0	YES	S3VE
Carbazole	Spike	1100		ug/kg	1100		1.0	YES	S3VE
Di-n-butylphthalate	Spike	1100		ug/kg	1100		1.0	YES	S3VE
Fluoranthene	Spike	1200		ug/kg	1200		1.0	YES	S3VE
Pyrene	Spike	1200		ug/kg	1200		1.0	YES	S3VE
Butylbenzylphthalate	Spike	1100		ug/kg	1100		1.0	YES	S3VE
3,3-Dichlorobenzidine	Spike	920		ug/kg	920		1.0	YES	S3VE
Benzo(a)anthracene	Spike	1100		ug/kg	1100		1.0	YES	S3VE
Chrysene	Spike	1200		ug/kg	1200		1.0	YES	S3VE
Bis(2-ethylhexyl)phthalate	Spike	1100		ug/kg	1100		1.0	YES	S3VE
Di-n-octyl phthalate	Spike	1000		ug/kg	1000		1.0	YES	S3VE
Benzo(b)fluoranthene	Spike	1100		ug/kg	1100		1.0	YES	S3VE
Benzo(k)fluoranthene	Spike	1100		ug/kg	1100		1.0	YES	S3VE
Benzo(a)pyrene	Spike	1200		ug/kg	1200		1.0	YES	S3VE
Indeno(1,2,3-cd)pyrene	Spike	1200		ug/kg	1200		1.0	YES	S3VE
Dibenzo(a,h)anthracene	Spike	1200		ug/kg	1200		1.0	YES	S3VE
Benzo(g,h,i)perylene	Spike	1200		ug/kg	1200		1.0	YES	S3VE
2,3,4,6-Tetrachlorophenol	Spike	1100		ug/kg	1100		1.0	YES	S3VE
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Sample Number: VBLK102	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Toluene	Target	0.7	J	ug/kg	0.7	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Sample Number: VBLK104	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Toluene	Target	0.66	J	ug/kg	0.66	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Sample Number: VBLK105	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	UJ	ug/kg	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Toluene	Target	0.64	J	ug/kg	0.64	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Sample Number: VBLK109	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	UJ	ug/kg	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Toluene	Target	0.62	J	ug/kg	0.62	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV
Dimethyl ether	TIC	2.6	JN	ug/kg	2.6	JN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Sample Number: VBLK168	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Chloromethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Vinyl chloride	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Bromomethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Chloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Acetone	Target	500	U	ug/kg	500	U	1.0	YES	S3VEM
Carbon disulfide	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Methyl Acetate	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Methylene chloride	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
2-Butanone	Target	500	U	ug/kg	500	U	1.0	YES	S3VEM
Bromochloromethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Chloroform	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Cyclohexane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Benzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Trichloroethene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Methylcyclohexane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Bromodichloromethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	500	U	ug/kg	500	U	1.0	YES	S3VEM
Toluene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Tetrachloroethene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
2-Hexanone	Target	500	U	ug/kg	500	U	1.0	YES	S3VEM
Dibromochloromethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Chlorobenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Ethylbenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
o-Xylene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
m,p-Xylene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Styrene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Bromoform	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Isopropylbenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Sample Number: VHBLK001	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	UJ	ug/kg	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Toluene	Target	0.64	J	ug/kg	0.64	JB	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Dimethyl ether	TIC	4	JBN	ug/kg	4	JBN	1.0	YES	NV
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG4Z8** **Lab Name: Chemtech Consulting Group**

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG4Z8	Sediment	04/15/2021	1.0	75-71-8	Dichlorodifluoromethane	16	U	U	16	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	74-87-3	Chloromethane	16	U	U	16	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	75-01-4	Vinyl chloride	16	U	U	16	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	74-83-9	Bromomethane	16	U	U	16	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	75-00-3	Chloroethane	16	U	U	16	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	75-69-4	Trichlorofluoromethane	16	U	U	16	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	75-35-4	1,1-Dichloroethene	16	U	U	16	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	16	U	U	16	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	67-64-1	Acetone	140			33	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	75-15-0	Carbon disulfide	2.5	J	J	16	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	79-20-9	Methyl Acetate	16	U	U	16	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	75-09-2	Methylene chloride	23			16	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	156-60-5	trans-1,2-Dichloroethene	16	U	U	16	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	1634-04-4	Methyl tert-butyl Ether	16	U	U	16	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	75-34-3	1,1-Dichloroethane	16	U	U	16	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	156-59-2	cis-1,2-Dichloroethene	16	U	U	16	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	78-93-3	2-Butanone	25	J	J	33	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	74-97-5	Bromochloromethane	16	U	U	16	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	67-66-3	Chloroform	16	U	U	16	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	71-55-6	1,1,1-Trichloroethane	16	U	U	16	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	110-82-7	Cyclohexane	16	U	U	16	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	56-23-5	Carbon tetrachloride	16	U	U	16	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	71-43-2	Benzene	16	U	U	16	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	107-06-2	1,2-Dichloroethane	16	U	U	16	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	79-01-6	Trichloroethene	16	U	U	16	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	108-87-2	Methylcyclohexane	16	U	U	16	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	78-87-5	1,2-Dichloropropane	16	U	U	16	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	75-27-4	Bromodichloromethane	16	U	U	16	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	16	U	U	16	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	108-10-1	4-Methyl-2-pentanone	33	U	U	33	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	108-88-3	Toluene	16	JB	U	16	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	16	U	U	16	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	79-00-5	1,1,2-Trichloroethane	16	U	U	16	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	127-18-4	Tetrachloroethene	16	U	U	16	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	591-78-6	2-Hexanone	33	U	U	33	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	124-48-1	Dibromochloromethane	16	U	U	16	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	106-93-4	1,2-Dibromoethane	16	U	U	16	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	108-90-7	Chlorobenzene	16	U	U	16	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	100-41-4	Ethylbenzene	16	U	U	16	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	95-47-6	o-Xylene	16	U	U	16	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	179601-23-1	m,p-Xylene	16	U	U	16	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	100-42-5	Styrene	16	U	U	16	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	75-25-2	Bromoform	16	U	UJ	16	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	98-82-8	Isopropylbenzene	16	U	UJ	16	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	96-18-4	1,2,3-Trichloropropane	16	U	U	16	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	16	U	U	16	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	541-73-1	1,3-Dichlorobenzene	16	U	UJ	16	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	106-46-7	1,4-Dichlorobenzene	16	U	UJ	16	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	95-50-1	1,2-Dichlorobenzene	16	U	UJ	16	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	16	U	UJ	16	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	16	U	UJ	16	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	16	U	UJ	16	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	120-82-1	1,2,4-trichlorobenzene	16	U	UJ	16	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	16	U	UJ	16	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	unknown-02	unknown-02	21	J	J		ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	unknown-01	unknown-01	24	J	J		ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	000075-18-3	Dimethyl sulfide	9.3	JN	JN		ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	000099-85-4	.gamma.-Terpinene	9.5	JN	JN		ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	000115-10-6	Dimethyl ether	17	JN	JN		ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	003387-41-5	Bicyclo[3.1.0]hexane, 4-methylene-	55	JN	JN		ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	E966796	Total Alkanes	13	BN	BN		ug/kg	6100-SED21A
BG4Z8ME	Sediment		1.0	75-71-8	Dichlorodifluoromethane	1200	U	U	1200	ug/kg	6100-SED21A
BG4Z8ME	Sediment		1.0	74-87-3	Chloromethane	1200	U	U	1200	ug/kg	6100-SED21A
BG4Z8ME	Sediment		1.0	75-01-4	Vinyl chloride	1200	U	U	1200	ug/kg	6100-SED21A
BG4Z8ME	Sediment		1.0	74-83-9	Bromomethane	1200	U	U	1200	ug/kg	6100-SED21A
BG4Z8ME	Sediment		1.0	75-00-3	Chloroethane	1200	U	U	1200	ug/kg	6100-SED21A
BG4Z8ME	Sediment		1.0	75-69-4	Trichlorofluoromethane	1200	U	U	1200	ug/kg	6100-SED21A
BG4Z8ME	Sediment		1.0	75-35-4	1,1-Dichloroethene	1200	U	U	1200	ug/kg	6100-SED21A
BG4Z8ME	Sediment		1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1200	U	U	1200	ug/kg	6100-SED21A
BG4Z8ME	Sediment		1.0	67-64-1	Acetone	2400	U	U	2400	ug/kg	6100-SED21A
BG4Z8ME	Sediment		1.0	75-15-0	Carbon disulfide	1200	U	U	1200	ug/kg	6100-SED21A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG4Z8ME	Sediment		1.0	79-20-9	Methyl Acetate	920	J	J	1200	ug/kg	6100-SED21A
BG4Z8ME	Sediment		1.0	75-09-2	Methylene chloride	1200	U	U	1200	ug/kg	6100-SED21A
BG4Z8ME	Sediment		1.0	156-60-5	trans-1,2-Dichloroethene	1200	U	U	1200	ug/kg	6100-SED21A
BG4Z8ME	Sediment		1.0	1634-04-4	Methyl tert-butyl Ether	1200	U	U	1200	ug/kg	6100-SED21A
BG4Z8ME	Sediment		1.0	75-34-3	1,1-Dichloroethane	1200	U	U	1200	ug/kg	6100-SED21A
BG4Z8ME	Sediment		1.0	156-59-2	cis-1,2-Dichloroethene	1200	U	U	1200	ug/kg	6100-SED21A
BG4Z8ME	Sediment		1.0	78-93-3	2-Butanone	2400	U	U	2400	ug/kg	6100-SED21A
BG4Z8ME	Sediment		1.0	74-97-5	Bromochloromethane	1200	U	U	1200	ug/kg	6100-SED21A
BG4Z8ME	Sediment		1.0	67-66-3	Chloroform	1200	U	U	1200	ug/kg	6100-SED21A
BG4Z8ME	Sediment		1.0	71-55-6	1,1,1-Trichloroethane	1200	U	U	1200	ug/kg	6100-SED21A
BG4Z8ME	Sediment		1.0	110-82-7	Cyclohexane	1200	U	U	1200	ug/kg	6100-SED21A
BG4Z8ME	Sediment		1.0	56-23-5	Carbon tetrachloride	1200	U	U	1200	ug/kg	6100-SED21A
BG4Z8ME	Sediment		1.0	71-43-2	Benzene	1200	U	U	1200	ug/kg	6100-SED21A
BG4Z8ME	Sediment		1.0	107-06-2	1,2-Dichloroethane	1200	U	U	1200	ug/kg	6100-SED21A
BG4Z8ME	Sediment		1.0	79-01-6	Trichloroethene	1200	U	U	1200	ug/kg	6100-SED21A
BG4Z8ME	Sediment		1.0	108-87-2	Methylcyclohexane	1200	U	U	1200	ug/kg	6100-SED21A
BG4Z8ME	Sediment		1.0	78-87-5	1,2-Dichloropropane	1200	U	U	1200	ug/kg	6100-SED21A
BG4Z8ME	Sediment		1.0	75-27-4	Bromodichloromethane	1200	U	U	1200	ug/kg	6100-SED21A
BG4Z8ME	Sediment		1.0	10061-01-5	cis-1,3-Dichloropropene	1200	U	U	1200	ug/kg	6100-SED21A
BG4Z8ME	Sediment		1.0	108-10-1	4-Methyl-2-pentanone	2400	U	U	2400	ug/kg	6100-SED21A
BG4Z8ME	Sediment		1.0	108-88-3	Toluene	1200	U	U	1200	ug/kg	6100-SED21A
BG4Z8ME	Sediment		1.0	10061-02-6	trans-1,3-Dichloropropene	1200	U	U	1200	ug/kg	6100-SED21A
BG4Z8ME	Sediment		1.0	79-00-5	1,1,2-Trichloroethane	1200	U	U	1200	ug/kg	6100-SED21A
BG4Z8ME	Sediment		1.0	127-18-4	Tetrachloroethene	1200	U	U	1200	ug/kg	6100-SED21A
BG4Z8ME	Sediment		1.0	591-78-6	2-Hexanone	2400	U	U	2400	ug/kg	6100-SED21A
BG4Z8ME	Sediment		1.0	124-48-1	Dibromochloromethane	1200	U	U	1200	ug/kg	6100-SED21A
BG4Z8ME	Sediment		1.0	106-93-4	1,2-Dibromoethane	1200	U	U	1200	ug/kg	6100-SED21A
BG4Z8ME	Sediment		1.0	108-90-7	Chlorobenzene	1200	U	U	1200	ug/kg	6100-SED21A
BG4Z8ME	Sediment		1.0	100-41-4	Ethylbenzene	1200	U	U	1200	ug/kg	6100-SED21A
BG4Z8ME	Sediment		1.0	95-47-6	o-Xylene	1200	U	U	1200	ug/kg	6100-SED21A
BG4Z8ME	Sediment		1.0	179601-23-1	m,p-Xylene	1200	U	U	1200	ug/kg	6100-SED21A
BG4Z8ME	Sediment		1.0	100-42-5	Styrene	1200	U	U	1200	ug/kg	6100-SED21A
BG4Z8ME	Sediment		1.0	75-25-2	Bromoform	1200	U	U	1200	ug/kg	6100-SED21A
BG4Z8ME	Sediment		1.0	98-82-8	Isopropylbenzene	1200	U	U	1200	ug/kg	6100-SED21A
BG4Z8ME	Sediment		1.0	96-18-4	1,2,3-Trichloropropane	1200	U	U	1200	ug/kg	6100-SED21A
BG4Z8ME	Sediment		1.0	79-34-5	1,1,2,2-Tetrachloroethane	1200	U	U	1200	ug/kg	6100-SED21A
BG4Z8ME	Sediment		1.0	541-73-1	1,3-Dichlorobenzene	1200	U	U	1200	ug/kg	6100-SED21A
BG4Z8ME	Sediment		1.0	106-46-7	1,4-Dichlorobenzene	1200	U	U	1200	ug/kg	6100-SED21A
BG4Z8ME	Sediment		1.0	95-50-1	1,2-Dichlorobenzene	1200	U	U	1200	ug/kg	6100-SED21A
BG4Z8ME	Sediment		1.0	96-12-8	1,2-Dibromo-3-chloropropane	1200	U	U	1200	ug/kg	6100-SED21A
BG4Z8ME	Sediment		1.0	95-63-6	1,2,4-Trimethylbenzene	1200	U	U	1200	ug/kg	6100-SED21A
BG4Z8ME	Sediment		1.0	108-67-8	1,3,5-Trimethylbenzene	1200	U	U	1200	ug/kg	6100-SED21A
BG4Z8ME	Sediment		1.0	120-82-1	1,2,4-trichlorobenzene	1200	U	U	1200	ug/kg	6100-SED21A
BG4Z8ME	Sediment		1.0	87-61-6	1,2,3-Trichlorobenzene	1200	U	U	1200	ug/kg	6100-SED21A
BG4Z8ME	Sediment		1.0	E966796	Total Alkanes		N	N		ug/kg	6100-SED21A
BG558	Sediment	04/19/2021	1.0	75-71-8	Dichlorodifluoromethane	5.5	U	U	5.5	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	74-87-3	Chloromethane	5.5	U	U	5.5	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	75-01-4	Vinyl chloride	5.5	U	U	5.5	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	74-83-9	Bromomethane	5.5	U	U	5.5	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	75-00-3	Chloroethane	5.5	U	U	5.5	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	75-69-4	Trichlorofluoromethane	5.5	U	U	5.5	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	75-35-4	1,1-Dichloroethene	5.5	U	UJ	5.5	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.5	U	U	5.5	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	67-64-1	Acetone	15			11	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	75-15-0	Carbon disulfide	0.88	J	J	5.5	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	79-20-9	Methyl Acetate	5.5	U	U	5.5	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	75-09-2	Methylene chloride	9.6			5.5	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	156-60-5	trans-1,2-Dichloroethene	5.5	U	UJ	5.5	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	1634-04-4	Methyl tert-butyl Ether	5.5	U	U	5.5	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	75-34-3	1,1-Dichloroethane	5.5	U	U	5.5	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	156-59-2	cis-1,2-Dichloroethene	5.5	U	UJ	5.5	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	78-93-3	2-Butanone	11	U	U	11	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	74-97-5	Bromochloromethane	5.5	U	U	5.5	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	67-66-3	Chloroform	5.5	U	U	5.5	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	71-55-6	1,1,1-Trichloroethane	5.5	U	U	5.5	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	110-82-7	Cyclohexane	5.5	U	UJ	5.5	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	56-23-5	Carbon tetrachloride	5.5	U	U	5.5	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	71-43-2	Benzene	5.5	U	U	5.5	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	107-06-2	1,2-Dichloroethane	5.5	U	U	5.5	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	79-01-6	Trichloroethene	5.5	U	U	5.5	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	108-87-2	Methylcyclohexane	5.5	U	UJ	5.5	ug/kg	6100-SED01A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG558	Sediment	04/19/2021	1.0	78-87-5	1,2-Dichloropropane	5.5	U	UJ	5.5	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	75-27-4	Bromodichloromethane	5.5	U	UJ	5.5	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	5.5	U	U	5.5	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	108-10-1	4-Methyl-2-pentanone	11	U	U	11	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	108-88-3	Toluene	5.5	U	U	5.5	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	5.5	U	U	5.5	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	79-00-5	1,1,2-Trichloroethane	5.5	U	U	5.5	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	127-18-4	Tetrachloroethene	5.5	U	U	5.5	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	591-78-6	2-Hexanone	11	U	U	11	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	124-48-1	Dibromochloromethane	5.5	U	U	5.5	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	106-93-4	1,2-Dibromoethane	5.5	U	U	5.5	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	108-90-7	Chlorobenzene	5.5	U	UJ	5.5	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	100-41-4	Ethylbenzene	5.5	U	U	5.5	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	95-47-6	o-Xylene	5.5	U	U	5.5	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	179601-23-1	m,p-Xylene	5.5	U	U	5.5	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	100-42-5	Styrene	5.5	U	U	5.5	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	75-25-2	Bromoform	5.5	U	U	5.5	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	98-82-8	Isopropylbenzene	5.5	U	U	5.5	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	96-18-4	1,2,3-Trichloropropane	5.5	U	UJ	5.5	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.5	U	U	5.5	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	541-73-1	1,3-Dichlorobenzene	5.5	U	UJ	5.5	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	106-46-7	1,4-Dichlorobenzene	5.5	U	UJ	5.5	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	95-50-1	1,2-Dichlorobenzene	5.5	U	UJ	5.5	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.5	U	U	5.5	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	5.5	U	U	5.5	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	5.5	U	U	5.5	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	120-82-1	1,2,4-trichlorobenzene	5.5	U	UJ	5.5	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	5.5	U	UJ	5.5	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	6100-SED01A
BG559	Sediment	04/19/2021	1.0	75-71-8	Dichlorodifluoromethane	5.6	U	U	5.6	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	74-87-3	Chloromethane	5.6	U	U	5.6	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	75-01-4	Vinyl chloride	5.6	U	U	5.6	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	74-83-9	Bromomethane	5.6	U	U	5.6	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	75-00-3	Chloroethane	5.6	U	U	5.6	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	75-69-4	Trichlorofluoromethane	5.6	U	UJ	5.6	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	75-35-4	1,1-Dichloroethene	5.6	U	UJ	5.6	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.6	U	UJ	5.6	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	67-64-1	Acetone	11			11	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	75-15-0	Carbon disulfide	0.78	J	J	5.6	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	79-20-9	Methyl Acetate	5.6	U	UJ	5.6	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	75-09-2	Methylene chloride	7.3		J-	5.6	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	156-60-5	trans-1,2-Dichloroethene	5.6	U	UJ	5.6	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	1634-04-4	Methyl tert-butyl Ether	5.6	U	UJ	5.6	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	75-34-3	1,1-Dichloroethane	5.6	U	U	5.6	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	156-59-2	cis-1,2-Dichloroethene	5.6	U	UJ	5.6	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	78-93-3	2-Butanone	11	U	U	11	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	74-97-5	Bromochloromethane	5.6	U	U	5.6	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	67-66-3	Chloroform	5.6	U	U	5.6	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	71-55-6	1,1,1-Trichloroethane	5.6	U	UJ	5.6	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	110-82-7	Cyclohexane	5.6	U	UJ	5.6	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	56-23-5	Carbon tetrachloride	5.6	U	UJ	5.6	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	71-43-2	Benzene	5.6	U	U	5.6	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	107-06-2	1,2-Dichloroethane	5.6	U	UJ	5.6	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	79-01-6	Trichloroethene	5.6	U	U	5.6	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	108-87-2	Methylcyclohexane	5.6	U	UJ	5.6	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	78-87-5	1,2-Dichloropropane	5.6	U	UJ	5.6	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	75-27-4	Bromodichloromethane	5.6	U	UJ	5.6	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	5.6	U	U	5.6	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	108-10-1	4-Methyl-2-pentanone	11	U	U	11	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	108-88-3	Toluene	5.6	U	U	5.6	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	5.6	U	U	5.6	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	79-00-5	1,1,2-Trichloroethane	5.6	U	U	5.6	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	127-18-4	Tetrachloroethene	5.6	U	U	5.6	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	591-78-6	2-Hexanone	11	U	U	11	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	124-48-1	Dibromochloromethane	5.6	U	U	5.6	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	106-93-4	1,2-Dibromoethane	5.6	U	UJ	5.6	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	108-90-7	Chlorobenzene	5.6	U	UJ	5.6	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	100-41-4	Ethylbenzene	5.6	U	U	5.6	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	95-47-6	o-Xylene	5.6	U	U	5.6	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	179601-23-1	m,p-Xylene	5.6	U	U	5.6	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	100-42-5	Styrene	5.6	U	U	5.6	ug/kg	6100-SED01B

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG559	Sediment	04/19/2021	1.0	75-25-2	Bromoform	5.6	U	U	5.6	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	98-82-8	Isopropylbenzene	5.6	U	U	5.6	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	96-18-4	1,2,3-Trichloropropane	5.6	U	UJ	5.6	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.6	U	U	5.6	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	541-73-1	1,3-Dichlorobenzene	5.6	U	UJ	5.6	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	106-46-7	1,4-Dichlorobenzene	5.6	U	UJ	5.6	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	95-50-1	1,2-Dichlorobenzene	5.6	U	UJ	5.6	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.6	U	U	5.6	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	5.6	U	U	5.6	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	5.6	U	U	5.6	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	120-82-1	1,2,4-trichlorobenzene	5.6	U	UJ	5.6	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	5.6	U	UJ	5.6	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	6100-SED01B
BG560	Sediment	04/19/2021	1.0	75-71-8	Dichlorodifluoromethane	5.5	U	U	5.5	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	74-87-3	Chloromethane	5.5	U	UJ	5.5	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	75-01-4	Vinyl chloride	5.5	U	U	5.5	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	74-83-9	Bromomethane	5.5	U	U	5.5	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	75-00-3	Chloroethane	5.5	U	U	5.5	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	75-69-4	Trichlorofluoromethane	5.5	U	U	5.5	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	75-35-4	1,1-Dichloroethene	5.5	U	UJ	5.5	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.5	U	U	5.5	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	67-64-1	Acetone	21			11	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	75-15-0	Carbon disulfide	5.5	U	U	5.5	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	79-20-9	Methyl Acetate	5.5	U	U	5.5	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	75-09-2	Methylene chloride	6.4			5.5	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	156-60-5	trans-1,2-Dichloroethene	5.5	U	UJ	5.5	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	1634-04-4	Methyl tert-butyl Ether	5.5	U	U	5.5	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	75-34-3	1,1-Dichloroethane	5.5	U	U	5.5	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	156-59-2	cis-1,2-Dichloroethene	5.5	U	UJ	5.5	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	78-93-3	2-Butanone	11	U	U	11	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	74-97-5	Bromochloromethane	5.5	U	U	5.5	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	67-66-3	Chloroform	5.5	U	U	5.5	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	71-55-6	1,1,1-Trichloroethane	5.5	U	U	5.5	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	110-82-7	Cyclohexane	5.5	U	U	5.5	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	56-23-5	Carbon tetrachloride	5.5	U	U	5.5	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	71-43-2	Benzene	5.5	U	U	5.5	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	107-06-2	1,2-Dichloroethane	5.5	U	U	5.5	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	79-01-6	Trichloroethene	5.5	U	U	5.5	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	108-87-2	Methylcyclohexane	5.5	U	U	5.5	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	78-87-5	1,2-Dichloropropane	5.5	U	U	5.5	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	75-27-4	Bromodichloromethane	5.5	U	U	5.5	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	5.5	U	U	5.5	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	108-10-1	4-Methyl-2-pentanone	11	U	U	11	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	108-88-3	Toluene	5.5	U	U	5.5	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	5.5	U	U	5.5	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	79-00-5	1,1,2-Trichloroethane	5.5	U	U	5.5	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	127-18-4	Tetrachloroethene	5.5	U	U	5.5	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	591-78-6	2-Hexanone	11	U	U	11	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	124-48-1	Dibromochloromethane	5.5	U	U	5.5	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	106-93-4	1,2-Dibromoethane	5.5	U	U	5.5	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	108-90-7	Chlorobenzene	5.5	U	U	5.5	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	100-41-4	Ethylbenzene	5.5	U	U	5.5	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	95-47-6	o-Xylene	5.5	U	U	5.5	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	179601-23-1	m,p-Xylene	5.5	U	U	5.5	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	100-42-5	Styrene	5.5	U	U	5.5	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	75-25-2	Bromoform	5.5	U	U	5.5	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	98-82-8	Isopropylbenzene	5.5	U	U	5.5	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	96-18-4	1,2,3-Trichloropropane	5.5	U	U	5.5	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.5	U	U	5.5	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	541-73-1	1,3-Dichlorobenzene	5.5	U	U	5.5	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	106-46-7	1,4-Dichlorobenzene	5.5	U	U	5.5	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	95-50-1	1,2-Dichlorobenzene	5.5	U	U	5.5	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.5	U	U	5.5	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	5.5	U	U	5.5	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	5.5	U	U	5.5	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	120-82-1	1,2,4-trichlorobenzene	5.5	U	U	5.5	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	5.5	U	U	5.5	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	000075-18-3	Dimethyl sulfide	6.7	JN	JN		ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	6100-SED01C
BG561	Sediment	04/19/2021	1.0	75-71-8	Dichlorodifluoromethane	13	U	U	13	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	74-87-3	Chloromethane	13	U	UJ	13	ug/kg	6100-SED02A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG561	Sediment	04/19/2021	1.0	75-01-4	Vinyl chloride	13	U	U	13	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	74-83-9	Bromomethane	13	U	U	13	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	75-00-3	Chloroethane	13	U	U	13	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	75-69-4	Trichlorofluoromethane	13	U	UJ	13	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	75-35-4	1,1-Dichloroethene	13	U	UJ	13	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	13	U	UJ	13	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	67-64-1	Acetone	120			26	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	75-15-0	Carbon disulfide	6.8	J	J	13	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	79-20-9	Methyl Acetate	13	U	UJ	13	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	75-09-2	Methylene chloride	20		J-	13	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	156-60-5	trans-1,2-Dichloroethene	13	U	UJ	13	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	1634-04-4	Methyl tert-butyl Ether	13	U	UJ	13	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	75-34-3	1,1-Dichloroethane	13	U	U	13	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	156-59-2	cis-1,2-Dichloroethene	13	U	UJ	13	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	78-93-3	2-Butanone	30			26	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	74-97-5	Bromochloromethane	13	U	U	13	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	67-66-3	Chloroform	13	U	U	13	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	71-55-6	1,1,1-Trichloroethane	13	U	UJ	13	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	110-82-7	Cyclohexane	13	U	U	13	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	56-23-5	Carbon tetrachloride	13	U	UJ	13	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	71-43-2	Benzene	13	U	U	13	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	107-06-2	1,2-Dichloroethane	13	U	UJ	13	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	79-01-6	Trichloroethene	13	U	U	13	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	108-87-2	Methylcyclohexane	13	U	U	13	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	78-87-5	1,2-Dichloropropane	13	U	U	13	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	75-27-4	Bromodichloromethane	13	U	U	13	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	13	U	U	13	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	108-10-1	4-Methyl-2-pentanone	26	U	U	26	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	108-88-3	Toluene	13	U	U	13	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	13	U	U	13	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	79-00-5	1,1,2-Trichloroethane	13	U	U	13	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	127-18-4	Tetrachloroethene	13	U	U	13	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	591-78-6	2-Hexanone	26	U	U	26	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	124-48-1	Dibromochloromethane	13	U	U	13	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	106-93-4	1,2-Dibromoethane	13	U	UJ	13	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	108-90-7	Chlorobenzene	13	U	UJ	13	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	100-41-4	Ethylbenzene	13	U	U	13	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	95-47-6	o-Xylene	1.8	J	J	13	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	179601-23-1	m,p-Xylene	13	U	U	13	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	100-42-5	Styrene	13	U	U	13	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	75-25-2	Bromoform	13	U	U	13	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	98-82-8	Isopropylbenzene	13	U	U	13	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	96-18-4	1,2,3-Trichloropropane	13	U	U	13	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	13	U	U	13	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	541-73-1	1,3-Dichlorobenzene	13	U	UJ	13	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	106-46-7	1,4-Dichlorobenzene	13	U	UJ	13	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	95-50-1	1,2-Dichlorobenzene	13	U	UJ	13	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	13	U	U	13	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	13	U	U	13	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	13	U	U	13	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	120-82-1	1,2,4-trichlorobenzene	13	U	UJ	13	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	13	U	UJ	13	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	E966796	Total Alkanes	410	BN	BN		ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	unknown-05	unknown-05	28	J	J		ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	000645-10-3	1,7-Dimethyl-4-(1-methylethyl)cycl	11	JN	JN		ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	002958-75-0	1-Methyldecahydronaphthalene	44	JN	JN		ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	010020-43-6	Ethanol, 2-(octyloxy)-	31	JN	JN		ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	019550-46-0	1,3-Dimethylcyclopentanol	19	JN	JN		ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	1000152-47-3	trans-Decalin, 2-methyl-	30	JN	JN		ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	1000309-17-6	Sulfurous acid, butyl nonyl ester	14	JN	JN		ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	1000309-34-6	Oxalic acid, bis(6-ethyloct-3-yl)	15	JN	JN		ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	unknown-03	unknown-03	25	J	J		ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	unknown-02	unknown-02	23	J	J		ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	unknown-04	unknown-04	11	J	J		ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	unknown-01	unknown-01	7.4	J	J		ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	unknown-06	unknown-06	27	J	J		ug/kg	6100-SED02A
BG562	Sediment	04/19/2021	1.0	75-71-8	Dichlorodifluoromethane	9.4	U	U	9.4	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	74-87-3	Chloromethane	9.4	U	U	9.4	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	75-01-4	Vinyl chloride	9.4	U	U	9.4	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	74-83-9	Bromomethane	9.4	U	U	9.4	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	75-00-3	Chloroethane	9.4	U	U	9.4	ug/kg	6100-SED02B

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG562	Sediment	04/19/2021	1.0	75-69-4	Trichlorofluoromethane	9.4	U	U	9.4	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	75-35-4	1,1-Dichloroethene	9.4	U	UJ	9.4	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	9.4	U	U	9.4	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	67-64-1	Acetone	55			19	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	75-15-0	Carbon disulfide	5.3	J	J	9.4	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	79-20-9	Methyl Acetate	9.4	U	U	9.4	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	75-09-2	Methylene chloride	15			9.4	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	156-60-5	trans-1,2-Dichloroethene	9.4	U	UJ	9.4	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	1634-04-4	Methyl tert-butyl Ether	9.4	U	U	9.4	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	75-34-3	1,1-Dichloroethane	9.4	U	U	9.4	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	156-59-2	cis-1,2-Dichloroethene	9.4	U	UJ	9.4	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	78-93-3	2-Butanone	19	U	U	19	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	74-97-5	Bromochloromethane	9.4	U	U	9.4	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	67-66-3	Chloroform	9.4	U	U	9.4	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	71-55-6	1,1,1-Trichloroethane	9.4	U	U	9.4	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	110-82-7	Cyclohexane	9.4	U	U	9.4	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	56-23-5	Carbon tetrachloride	9.4	U	U	9.4	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	71-43-2	Benzene	9.4	U	U	9.4	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	107-06-2	1,2-Dichloroethane	9.4	U	U	9.4	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	79-01-6	Trichloroethene	9.4	U	U	9.4	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	108-87-2	Methylcyclohexane	9.4	U	U	9.4	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	78-87-5	1,2-Dichloropropane	9.4	U	U	9.4	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	75-27-4	Bromodichloromethane	9.4	U	U	9.4	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	9.4	U	U	9.4	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	108-10-1	4-Methyl-2-pentanone	19	U	U	19	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	108-88-3	Toluene	9.4	JB	U	9.4	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	9.4	U	U	9.4	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	79-00-5	1,1,2-Trichloroethane	9.4	U	U	9.4	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	127-18-4	Tetrachloroethene	9.4	U	U	9.4	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	591-78-6	2-Hexanone	19	U	U	19	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	124-48-1	Dibromochloromethane	9.4	U	U	9.4	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	106-93-4	1,2-Dibromoethane	9.4	U	U	9.4	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	108-90-7	Chlorobenzene	9.4	U	U	9.4	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	100-41-4	Ethylbenzene	9.4	U	U	9.4	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	95-47-6	o-Xylene	9.4	U	U	9.4	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	179601-23-1	m,p-Xylene	9.4	U	U	9.4	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	100-42-5	Styrene	9.4	U	U	9.4	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	75-25-2	Bromoform	9.4	U	U	9.4	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	98-82-8	Isopropylbenzene	9.4	U	U	9.4	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	96-18-4	1,2,3-Trichloropropane	9.4	U	U	9.4	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	9.4	U	U	9.4	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	541-73-1	1,3-Dichlorobenzene	9.4	U	U	9.4	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	106-46-7	1,4-Dichlorobenzene	9.4	U	U	9.4	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	95-50-1	1,2-Dichlorobenzene	9.4	U	U	9.4	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	9.4	U	U	9.4	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	9.4	U	U	9.4	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	9.4	U	U	9.4	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	120-82-1	1,2,4-trichlorobenzene	9.4	U	U	9.4	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	9.4	U	U	9.4	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	unknown-02	unknown-02	84	J	J		ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	unknown-01	unknown-01	110	J	J		ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	001075-38-3	Benzene, 1-(1,1-dimethylethyl)-3-m	320	JN	JN		ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	001203-17-4	1H-Indene, 2,3-dihydro-1,1,2,3,3-p	320	JN	JN		ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	062016-79-9	Heptacosane, 1-chloro-	190	JN	JN		ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	E966796	Total Alkanes	5000	BN	BN		ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	1000309-22-6	Sulfurous acid, cyclohexylmethyl o	110	JN	JN		ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	1000309-34-2	Oxalic acid, butyl 6-ethyloct-3-yl	89	JN	JN		ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	1000309-68-6	Oxalic acid, cyclohexylmethyl nony	100	JN	JN		ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	1000309-68-7	Oxalic acid, cyclohexylmethyl decy	150	JN	JN		ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	195194-80-0	2-Piperidinone, N-[4-bromo-n-butyl	100	JN	JN		ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	1000309-15-9	Sulfurous acid, decyl 2-pentyl est	97	JN	JN		ug/kg	6100-SED02B
BG563	Sediment	04/19/2021	1.0	75-71-8	Dichlorodifluoromethane	8.7	U	U	8.7	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	74-87-3	Chloromethane	8.7	U	UJ	8.7	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	75-01-4	Vinyl chloride	8.7	U	U	8.7	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	74-83-9	Bromomethane	8.7	U	U	8.7	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	75-00-3	Chloroethane	8.7	U	U	8.7	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	75-69-4	Trichlorofluoromethane	8.7	U	U	8.7	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	75-35-4	1,1-Dichloroethene	8.7	U	UJ	8.7	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	8.7	U	U	8.7	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	67-64-1	Acetone	84			17	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	75-15-0	Carbon disulfide	4.6	J	J	8.7	ug/kg	6100-SED02C

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG563	Sediment	04/19/2021	1.0	79-20-9	Methyl Acetate	8.7	U	U	8.7	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	75-09-2	Methylene chloride	14			8.7	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	156-60-5	trans-1,2-Dichloroethene	8.7	U	UJ	8.7	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	1634-04-4	Methyl tert-butyl Ether	8.7	U	U	8.7	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	75-34-3	1,1-Dichloroethane	8.7	U	U	8.7	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	156-59-2	cis-1,2-Dichloroethene	8.7	U	UJ	8.7	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	78-93-3	2-Butanone	17	U	U	17	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	74-97-5	Bromochloromethane	8.7	U	U	8.7	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	67-66-3	Chloroform	8.7	U	U	8.7	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	71-55-6	1,1,1-Trichloroethane	8.7	U	U	8.7	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	110-82-7	Cyclohexane	8.7	U	U	8.7	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	56-23-5	Carbon tetrachloride	8.7	U	U	8.7	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	71-43-2	Benzene	8.7	U	U	8.7	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	107-06-2	1,2-Dichloroethane	8.7	U	U	8.7	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	79-01-6	Trichloroethene	8.7	U	U	8.7	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	108-87-2	Methylcyclohexane	8.7	U	U	8.7	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	78-87-5	1,2-Dichloropropane	8.7	U	U	8.7	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	75-27-4	Bromodichloromethane	8.7	U	U	8.7	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	8.7	U	U	8.7	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	108-10-1	4-Methyl-2-pentanone	17	U	U	17	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	108-88-3	Toluene	8.7	U	U	8.7	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	8.7	U	U	8.7	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	79-00-5	1,1,2-Trichloroethane	8.7	U	U	8.7	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	127-18-4	Tetrachloroethene	8.7	U	U	8.7	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	591-78-6	2-Hexanone	17	U	U	17	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	124-48-1	Dibromochloromethane	8.7	U	U	8.7	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	106-93-4	1,2-Dibromoethane	8.7	U	U	8.7	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	108-90-7	Chlorobenzene	8.7	U	U	8.7	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	100-41-4	Ethylbenzene	8.7	U	U	8.7	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	95-47-6	o-Xylene	8.7	U	U	8.7	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	179601-23-1	m,p-Xylene	8.7	U	U	8.7	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	100-42-5	Styrene	8.7	U	U	8.7	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	75-25-2	Bromoform	8.7	U	U	8.7	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	98-82-8	Isopropylbenzene	8.7	U	U	8.7	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	96-18-4	1,2,3-Trichloropropane	8.7	U	U	8.7	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	8.7	U	U	8.7	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	541-73-1	1,3-Dichlorobenzene	8.7	U	U	8.7	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	106-46-7	1,4-Dichlorobenzene	8.7	U	U	8.7	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	95-50-1	1,2-Dichlorobenzene	8.7	U	U	8.7	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	8.7	U	U	8.7	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	8.7	U	U	8.7	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	8.7	U	U	8.7	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	120-82-1	1,2,4-trichlorobenzene	8.7	U	U	8.7	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	8.7	U	U	8.7	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	000075-18-3	Dimethyl sulfide	6.0	JN	JN		ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	000127-91-3	.beta.-Pinene	9.7	JN	JN		ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	054832-83-6	1H-Indene, octahydro-2,2,4,4,7,7-h	24	JN	JN		ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	6100-SED02C
BG564	Sediment	04/19/2021	1.0	75-71-8	Dichlorodifluoromethane	13	U	U	13	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	74-87-3	Chloromethane	13	U	UJ	13	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	75-01-4	Vinyl chloride	13	U	U	13	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	74-83-9	Bromomethane	13	U	U	13	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	75-00-3	Chloroethane	13	U	U	13	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	75-69-4	Trichlorofluoromethane	13	U	U	13	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	75-35-4	1,1-Dichloroethene	13	U	UJ	13	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	13	U	U	13	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	67-64-1	Acetone	140			26	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	75-15-0	Carbon disulfide	7.7	J	J	13	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	79-20-9	Methyl Acetate	13	U	U	13	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	75-09-2	Methylene chloride	23			13	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	156-60-5	trans-1,2-Dichloroethene	13	U	UJ	13	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	1634-04-4	Methyl tert-butyl Ether	13	U	U	13	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	75-34-3	1,1-Dichloroethane	13	U	U	13	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	156-59-2	cis-1,2-Dichloroethene	13	U	UJ	13	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	78-93-3	2-Butanone	28			26	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	74-97-5	Bromochloromethane	13	U	U	13	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	67-66-3	Chloroform	13	U	U	13	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	71-55-6	1,1,1-Trichloroethane	13	U	U	13	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	110-82-7	Cyclohexane	3.0	J	J	13	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	56-23-5	Carbon tetrachloride	13	U	U	13	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	71-43-2	Benzene	2.3	J	J	13	ug/kg	6100-SED03A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG564	Sediment	04/19/2021	1.0	107-06-2	1,2-Dichloroethane	13	U	U	13	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	79-01-6	Trichloroethene	13	U	U	13	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	108-87-2	Methylcyclohexane	17			13	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	78-87-5	1,2-Dichloropropane	13	U	U	13	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	75-27-4	Bromodichloromethane	13	U	U	13	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	13	U	U	13	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	108-10-1	4-Methyl-2-pentanone	26	U	U	26	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	108-88-3	Toluene	13	JB	U	13	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	13	U	U	13	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	79-00-5	1,1,2-Trichloroethane	13	U	U	13	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	127-18-4	Tetrachloroethene	13	U	U	13	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	591-78-6	2-Hexanone	26	U	U	26	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	124-48-1	Dibromochloromethane	13	U	U	13	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	106-93-4	1,2-Dibromoethane	13	U	U	13	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	108-90-7	Chlorobenzene	13	U	U	13	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	100-41-4	Ethylbenzene	13	U	U	13	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	95-47-6	o-Xylene	4.4	J	J	13	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	179601-23-1	m,p-Xylene	1.9	J	J	13	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	100-42-5	Styrene	13	U	U	13	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	75-25-2	Bromoform	13	U	UJ	13	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	98-82-8	Isopropylbenzene	13	U	UJ	13	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	96-18-4	1,2,3-Trichloropropane	13	U	U	13	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	13	U	U	13	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	541-73-1	1,3-Dichlorobenzene	13	U	UJ	13	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	106-46-7	1,4-Dichlorobenzene	13	U	UJ	13	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	95-50-1	1,2-Dichlorobenzene	13	U	UJ	13	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	13	U	UJ	13	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	13	U	UJ	13	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	13	U	UJ	13	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	120-82-1	1,2,4-trichlorobenzene	13	U	UJ	13	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	13	U	UJ	13	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	unknown-01	unknown-01	7.6	J	J		ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	unknown-03	unknown-03	34	J	J		ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	unknown-06	unknown-06	47	J	J		ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	unknown-04	unknown-04	49	J	J		ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	unknown-08	unknown-08	52	J	J		ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	unknown-02	unknown-02	45	J	J		ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	unknown-09	unknown-09	89	J	J		ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	unknown-05	unknown-05	100	J	J		ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	unknown-07	unknown-07	100	J	J		ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	000110-89-4	Piperidine	11	JN	JN		ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	000933-98-2	Benzene, 1-ethyl-2,3-dimethyl-	130	JN	JN		ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	002114-42-3	Cyclohexane, 2-propenyl-	220	JN	JN		ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	002958-75-0	1-Methyldecahydronaphthalene	110	JN	JN		ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	002958-76-1	Naphthalene, decahydro-2-methyl-	170	JN	JN		ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	004751-49-9	Heptanedioic acid, 4-methyl-, dime	40	JN	JN		ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	039178-69-3	Cyclohexanone, 3-butyl-	60	JN	JN		ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	066563-30-2	Bacchotricuneatin c	180	JN	JN		ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	1000193-72-9	2,3,4-Trimethyl-hex-3-enal	19	JN	JN		ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	1000309-34-6	Oxalic acid, bis(6-ethyloct-3-yl)	28	JN	JN		ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	1000309-48-3	Oxalic acid, monoamide, N-cyclohep	190	JN	JN		ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	1000357-82-9	Carbonic acid, isobutyl 2-ethylhex	120	JN	JN		ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	E966796	Total Alkanes	1500	BN	BN		ug/kg	6100-SED03A
BG564ME	Sediment		1.0	75-71-8	Dichlorodifluoromethane	1200	U	U	1200	ug/kg	6100-SED03A
BG564ME	Sediment		1.0	74-87-3	Chloromethane	1200	U	U	1200	ug/kg	6100-SED03A
BG564ME	Sediment		1.0	75-01-4	Vinyl chloride	1200	U	U	1200	ug/kg	6100-SED03A
BG564ME	Sediment		1.0	74-83-9	Bromomethane	1200	U	U	1200	ug/kg	6100-SED03A
BG564ME	Sediment		1.0	75-00-3	Chloroethane	1200	U	U	1200	ug/kg	6100-SED03A
BG564ME	Sediment		1.0	75-69-4	Trichlorofluoromethane	1200	U	U	1200	ug/kg	6100-SED03A
BG564ME	Sediment		1.0	75-35-4	1,1-Dichloroethene	1200	U	U	1200	ug/kg	6100-SED03A
BG564ME	Sediment		1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1200	U	U	1200	ug/kg	6100-SED03A
BG564ME	Sediment		1.0	67-64-1	Acetone	2400	U	U	2400	ug/kg	6100-SED03A
BG564ME	Sediment		1.0	75-15-0	Carbon disulfide	1200	U	U	1200	ug/kg	6100-SED03A
BG564ME	Sediment		1.0	79-20-9	Methyl Acetate	1200	U	U	1200	ug/kg	6100-SED03A
BG564ME	Sediment		1.0	75-09-2	Methylene chloride	1200	U	U	1200	ug/kg	6100-SED03A
BG564ME	Sediment		1.0	156-60-5	trans-1,2-Dichloroethene	1200	U	U	1200	ug/kg	6100-SED03A
BG564ME	Sediment		1.0	1634-04-4	Methyl tert-butyl Ether	1200	U	U	1200	ug/kg	6100-SED03A
BG564ME	Sediment		1.0	75-34-3	1,1-Dichloroethane	1200	U	U	1200	ug/kg	6100-SED03A
BG564ME	Sediment		1.0	156-59-2	cis-1,2-Dichloroethene	1200	U	U	1200	ug/kg	6100-SED03A
BG564ME	Sediment		1.0	78-93-3	2-Butanone	2400	U	U	2400	ug/kg	6100-SED03A
BG564ME	Sediment		1.0	74-97-5	Bromochloromethane	1200	U	U	1200	ug/kg	6100-SED03A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG564ME	Sediment		1.0	67-66-3	Chloroform	1200	U	U	1200	ug/kg	6100-SED03A
BG564ME	Sediment		1.0	71-55-6	1,1,1-Trichloroethane	1200	U	U	1200	ug/kg	6100-SED03A
BG564ME	Sediment		1.0	110-82-7	Cyclohexane	1200	U	U	1200	ug/kg	6100-SED03A
BG564ME	Sediment		1.0	56-23-5	Carbon tetrachloride	1200	U	U	1200	ug/kg	6100-SED03A
BG564ME	Sediment		1.0	71-43-2	Benzene	1200	U	U	1200	ug/kg	6100-SED03A
BG564ME	Sediment		1.0	107-06-2	1,2-Dichloroethane	1200	U	U	1200	ug/kg	6100-SED03A
BG564ME	Sediment		1.0	79-01-6	Trichloroethene	1200	U	U	1200	ug/kg	6100-SED03A
BG564ME	Sediment		1.0	108-87-2	Methylcyclohexane	1200	U	U	1200	ug/kg	6100-SED03A
BG564ME	Sediment		1.0	78-87-5	1,2-Dichloropropane	1200	U	U	1200	ug/kg	6100-SED03A
BG564ME	Sediment		1.0	75-27-4	Bromodichloromethane	1200	U	U	1200	ug/kg	6100-SED03A
BG564ME	Sediment		1.0	10061-01-5	cis-1,3-Dichloropropene	1200	U	U	1200	ug/kg	6100-SED03A
BG564ME	Sediment		1.0	108-10-1	4-Methyl-2-pentanone	2400	U	U	2400	ug/kg	6100-SED03A
BG564ME	Sediment		1.0	108-88-3	Toluene	1200	U	U	1200	ug/kg	6100-SED03A
BG564ME	Sediment		1.0	10061-02-6	trans-1,3-Dichloropropene	1200	U	U	1200	ug/kg	6100-SED03A
BG564ME	Sediment		1.0	79-00-5	1,1,2-Trichloroethane	1200	U	U	1200	ug/kg	6100-SED03A
BG564ME	Sediment		1.0	127-18-4	Tetrachloroethene	1200	U	U	1200	ug/kg	6100-SED03A
BG564ME	Sediment		1.0	591-78-6	2-Hexanone	2400	U	U	2400	ug/kg	6100-SED03A
BG564ME	Sediment		1.0	124-48-1	Dibromochloromethane	1200	U	U	1200	ug/kg	6100-SED03A
BG564ME	Sediment		1.0	106-93-4	1,2-Dibromoethane	1200	U	U	1200	ug/kg	6100-SED03A
BG564ME	Sediment		1.0	108-90-7	Chlorobenzene	1200	U	U	1200	ug/kg	6100-SED03A
BG564ME	Sediment		1.0	100-41-4	Ethylbenzene	1200	U	U	1200	ug/kg	6100-SED03A
BG564ME	Sediment		1.0	95-47-6	o-Xylene	1200	U	U	1200	ug/kg	6100-SED03A
BG564ME	Sediment		1.0	179601-23-1	m,p-Xylene	1200	U	U	1200	ug/kg	6100-SED03A
BG564ME	Sediment		1.0	100-42-5	Styrene	1200	U	U	1200	ug/kg	6100-SED03A
BG564ME	Sediment		1.0	75-25-2	Bromoform	1200	U	U	1200	ug/kg	6100-SED03A
BG564ME	Sediment		1.0	98-82-8	Isopropylbenzene	1200	U	U	1200	ug/kg	6100-SED03A
BG564ME	Sediment		1.0	96-18-4	1,2,3-Trichloropropane	1200	U	U	1200	ug/kg	6100-SED03A
BG564ME	Sediment		1.0	79-34-5	1,1,2,2-Tetrachloroethane	1200	U	U	1200	ug/kg	6100-SED03A
BG564ME	Sediment		1.0	541-73-1	1,3-Dichlorobenzene	1200	U	U	1200	ug/kg	6100-SED03A
BG564ME	Sediment		1.0	106-46-7	1,4-Dichlorobenzene	1200	U	U	1200	ug/kg	6100-SED03A
BG564ME	Sediment		1.0	95-50-1	1,2-Dichlorobenzene	1200	U	U	1200	ug/kg	6100-SED03A
BG564ME	Sediment		1.0	96-12-8	1,2-Dibromo-3-chloropropane	1200	U	U	1200	ug/kg	6100-SED03A
BG564ME	Sediment		1.0	95-63-6	1,2,4-Trimethylbenzene	1200	U	U	1200	ug/kg	6100-SED03A
BG564ME	Sediment		1.0	108-67-8	1,3,5-Trimethylbenzene	1200	U	U	1200	ug/kg	6100-SED03A
BG564ME	Sediment		1.0	120-82-1	1,2,4-trichlorobenzene	1200	U	U	1200	ug/kg	6100-SED03A
BG564ME	Sediment		1.0	87-61-6	1,2,3-Trichlorobenzene	1200	U	U	1200	ug/kg	6100-SED03A
BG564ME	Sediment		1.0	E966796	Total Alkanes		N	N		ug/kg	6100-SED03A
BG565	Sediment	04/19/2021	1.0	75-71-8	Dichlorodifluoromethane	25	U	U	25	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	74-87-3	Chloromethane	25	U	UJ	25	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	75-01-4	Vinyl chloride	25	U	U	25	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	74-83-9	Bromomethane	25	U	U	25	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	75-00-3	Chloroethane	25	U	U	25	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	75-69-4	Trichlorofluoromethane	25	U	U	25	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	75-35-4	1,1-Dichloroethene	25	U	UJ	25	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	25	U	U	25	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	67-64-1	Acetone	250			51	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	75-15-0	Carbon disulfide	15	J	J	25	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	79-20-9	Methyl Acetate	25	U	U	25	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	75-09-2	Methylene chloride	35			25	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	156-60-5	trans-1,2-Dichloroethene	25	U	UJ	25	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	1634-04-4	Methyl tert-butyl Ether	25	U	U	25	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	75-34-3	1,1-Dichloroethane	25	U	U	25	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	156-59-2	cis-1,2-Dichloroethene	25	U	UJ	25	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	78-93-3	2-Butanone	63			51	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	74-97-5	Bromochloromethane	25	U	U	25	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	67-66-3	Chloroform	25	U	U	25	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	71-55-6	1,1,1-Trichloroethane	25	U	U	25	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	110-82-7	Cyclohexane	25	U	U	25	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	56-23-5	Carbon tetrachloride	25	U	U	25	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	71-43-2	Benzene	7.2	J	J	25	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	107-06-2	1,2-Dichloroethane	25	U	U	25	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	79-01-6	Trichloroethene	25	U	U	25	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	108-87-2	Methylcyclohexane	25	U	U	25	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	78-87-5	1,2-Dichloropropane	25	U	U	25	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	75-27-4	Bromodichloromethane	25	U	U	25	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	25	U	U	25	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	108-10-1	4-Methyl-2-pentanone	51	U	U	51	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	108-88-3	Toluene	25	JB	U	25	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	25	U	U	25	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	79-00-5	1,1,2-Trichloroethane	25	U	U	25	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	127-18-4	Tetrachloroethene	25	U	U	25	ug/kg	6100-SED03B

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG565	Sediment	04/19/2021	1.0	591-78-6	2-Hexanone	51	U	U	51	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	124-48-1	Dibromochloromethane	25	U	U	25	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	106-93-4	1,2-Dibromoethane	25	U	U	25	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	108-90-7	Chlorobenzene	25	U	U	25	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	100-41-4	Ethylbenzene	25	U	U	25	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	95-47-6	o-Xylene	8.2	J	J	25	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	179601-23-1	m,p-Xylene	25	U	U	25	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	100-42-5	Styrene	25	U	U	25	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	75-25-2	Bromoform	25	U	U	25	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	98-82-8	Isopropylbenzene	25	U	U	25	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	96-18-4	1,2,3-Trichloropropane	25	U	U	25	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	25	U	U	25	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	541-73-1	1,3-Dichlorobenzene	25	U	U	25	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	106-46-7	1,4-Dichlorobenzene	25	U	U	25	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	95-50-1	1,2-Dichlorobenzene	25	U	U	25	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	25	U	U	25	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	25	U	U	25	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	25	U	U	25	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	120-82-1	1,2,4-trichlorobenzene	25	U	U	25	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	25	U	U	25	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	unknown-02	unknown-02	18	J	J		ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	unknown-01	unknown-01	29	J	J		ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	000334-68-9	Dodecane, 1-fluoro-	35	JN	JN		ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	000575-43-9	Naphthalene, 1,6-dimethyl-	32	JN	JN		ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	E966796	Total Alkanes	270	BN	BN		ug/kg	6100-SED03B
BG566	Sediment	04/19/2021	1.0	75-71-8	Dichlorodifluoromethane	22	U	U	22	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	74-87-3	Chloromethane	22	U	UJ	22	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	75-01-4	Vinyl chloride	22	U	U	22	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	74-83-9	Bromomethane	22	U	U	22	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	75-00-3	Chloroethane	22	U	U	22	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	75-69-4	Trichlorofluoromethane	22	U	UJ	22	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	75-35-4	1,1-Dichloroethene	22	U	UJ	22	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	22	U	UJ	22	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	67-64-1	Acetone	110			44	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	75-15-0	Carbon disulfide	7.0	J	J	22	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	79-20-9	Methyl Acetate	22	U	UJ	22	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	75-09-2	Methylene chloride	33		J-	22	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	156-60-5	trans-1,2-Dichloroethene	22	U	UJ	22	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	1634-04-4	Methyl tert-butyl Ether	22	U	UJ	22	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	75-34-3	1,1-Dichloroethane	22	U	U	22	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	156-59-2	cis-1,2-Dichloroethene	22	U	UJ	22	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	78-93-3	2-Butanone	44	U	U	44	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	74-97-5	Bromochloromethane	22	U	U	22	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	67-66-3	Chloroform	22	U	U	22	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	71-55-6	1,1,1-Trichloroethane	22	U	UJ	22	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	110-82-7	Cyclohexane	22	U	U	22	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	56-23-5	Carbon tetrachloride	22	U	UJ	22	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	71-43-2	Benzene	22	U	U	22	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	107-06-2	1,2-Dichloroethane	22	U	UJ	22	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	79-01-6	Trichloroethene	22	U	U	22	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	108-87-2	Methylcyclohexane	22	U	U	22	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	78-87-5	1,2-Dichloropropane	22	U	U	22	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	75-27-4	Bromodichloromethane	22	U	U	22	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	22	U	U	22	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	108-10-1	4-Methyl-2-pentanone	44	U	U	44	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	108-88-3	Toluene	22	U	U	22	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	22	U	U	22	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	79-00-5	1,1,2-Trichloroethane	22	U	U	22	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	127-18-4	Tetrachloroethene	22	U	U	22	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	591-78-6	2-Hexanone	44	U	U	44	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	124-48-1	Dibromochloromethane	22	U	U	22	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	106-93-4	1,2-Dibromoethane	22	U	UJ	22	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	108-90-7	Chlorobenzene	22	U	U	22	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	100-41-4	Ethylbenzene	22	U	U	22	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	95-47-6	o-Xylene	22	U	U	22	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	179601-23-1	m,p-Xylene	22	U	U	22	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	100-42-5	Styrene	22	U	U	22	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	75-25-2	Bromoform	22	U	U	22	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	98-82-8	Isopropylbenzene	22	U	U	22	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	96-18-4	1,2,3-Trichloropropane	22	U	U	22	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	22	U	U	22	ug/kg	6100-SED03C

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG566	Sediment	04/19/2021	1.0	541-73-1	1,3-Dichlorobenzene	22	U	U	22	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	106-46-7	1,4-Dichlorobenzene	22	U	U	22	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	95-50-1	1,2-Dichlorobenzene	22	U	U	22	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	22	U	U	22	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	22	U	U	22	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	22	U	U	22	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	120-82-1	1,2,4-trichlorobenzene	22	U	U	22	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	22	U	U	22	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	6100-SED03C
BG567	Sediment	04/19/2021	1.0	75-71-8	Dichlorodifluoromethane	11	U	U	11	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	74-87-3	Chloromethane	11	U	UJ	11	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	75-01-4	Vinyl chloride	11	U	U	11	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	74-83-9	Bromomethane	11	U	U	11	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	75-00-3	Chloroethane	11	U	U	11	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	75-69-4	Trichlorofluoromethane	11	U	U	11	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	75-35-4	1,1-Dichloroethene	11	U	UJ	11	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	11	U	U	11	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	67-64-1	Acetone	63			22	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	75-15-0	Carbon disulfide	4.4	J	J	11	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	79-20-9	Methyl Acetate	11	U	U	11	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	75-09-2	Methylene chloride	22			11	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	156-60-5	trans-1,2-Dichloroethene	11	U	UJ	11	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	1634-04-4	Methyl tert-butyl Ether	11	U	U	11	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	75-34-3	1,1-Dichloroethane	11	U	U	11	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	156-59-2	cis-1,2-Dichloroethene	11	U	UJ	11	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	78-93-3	2-Butanone	22	U	U	22	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	74-97-5	Bromochloromethane	11	U	U	11	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	67-66-3	Chloroform	11	U	U	11	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	71-55-6	1,1,1-Trichloroethane	11	U	U	11	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	110-82-7	Cyclohexane	2.0	J	J	11	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	56-23-5	Carbon tetrachloride	11	U	U	11	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	71-43-2	Benzene	2.3	J	J	11	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	107-06-2	1,2-Dichloroethane	11	U	U	11	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	79-01-6	Trichloroethene	11	U	U	11	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	108-87-2	Methylcyclohexane	10	J	J	11	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	78-87-5	1,2-Dichloropropane	11	U	U	11	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	75-27-4	Bromodichloromethane	11	U	U	11	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	11	U	U	11	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	108-10-1	4-Methyl-2-pentanone	22	U	U	22	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	108-88-3	Toluene	11	JB	U	11	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	11	U	U	11	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	79-00-5	1,1,2-Trichloroethane	11	U	U	11	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	127-18-4	Tetrachloroethene	11	U	U	11	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	591-78-6	2-Hexanone	22	U	U	22	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	124-48-1	Dibromochloromethane	11	U	U	11	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	106-93-4	1,2-Dibromoethane	11	U	U	11	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	108-90-7	Chlorobenzene	11	U	U	11	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	100-41-4	Ethylbenzene	11	U	U	11	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	95-47-6	o-Xylene	3.7	J	J	11	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	179601-23-1	m,p-Xylene	2.3	J	J	11	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	100-42-5	Styrene	11	U	U	11	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	75-25-2	Bromoform	11	U	U	11	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	98-82-8	Isopropylbenzene	11	U	U	11	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	96-18-4	1,2,3-Trichloropropane	11	U	U	11	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	11	U	U	11	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	541-73-1	1,3-Dichlorobenzene	11	U	U	11	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	106-46-7	1,4-Dichlorobenzene	11	U	U	11	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	95-50-1	1,2-Dichlorobenzene	11	U	U	11	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	11	U	U	11	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	11	U	U	11	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	11	U	U	11	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	120-82-1	1,2,4-trichlorobenzene	11	U	U	11	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	11	U	U	11	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	1000309-34-6	Oxalic acid, bis(6-ethyloct-3-yl)	190	JN	JN		ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	1000309-22-1	Sulfurous acid, cyclohexylmethyl t	390	JN	JN		ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	005989-27-5	D-Limonene	1800	JN	JN		ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	005333-42-6	1-Dodecanol, 2-octyl-	260	JN	JN		ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	002958-76-1	Naphthalene, decahydro-2-methyl-	1400	JN	JN		ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	002958-75-0	1-Methyldecahydronaphthalene	630	JN	JN		ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	unknown-03	unknown-03	410	J	J		ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	unknown-01	unknown-01	370	J	J		ug/kg	6100-SED04A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG567	Sediment	04/19/2021	1.0	unknown-06	unknown-06	340	J	J		ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	unknown-04	unknown-04	180	J	J		ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	unknown-05	unknown-05	160	J	J		ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	E966796	Total Alkanes	11000	BN	BN		ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	unknown-02	unknown-02	42	J	J		ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	unknown-07	unknown-07	150	J	J		ug/kg	6100-SED04A
BG568	Sediment	04/19/2021	1.0	75-71-8	Dichlorodifluoromethane	14	U	U	14	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	74-87-3	Chloromethane	14	U	UJ	14	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	75-01-4	Vinyl chloride	14	U	U	14	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	74-83-9	Bromomethane	14	U	U	14	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	75-00-3	Chloroethane	14	U	U	14	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	75-69-4	Trichlorofluoromethane	14	U	UJ	14	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	75-35-4	1,1-Dichloroethene	14	U	UJ	14	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	14	U	UJ	14	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	67-64-1	Acetone	69			27	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	75-15-0	Carbon disulfide	9.9	J	J	14	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	79-20-9	Methyl Acetate	14	U	UJ	14	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	75-09-2	Methylene chloride	23		J-	14	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	156-60-5	trans-1,2-Dichloroethene	14	U	UJ	14	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	1634-04-4	Methyl tert-butyl Ether	14	U	UJ	14	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	75-34-3	1,1-Dichloroethane	14	U	U	14	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	156-59-2	cis-1,2-Dichloroethene	14	U	UJ	14	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	78-93-3	2-Butanone	27	U	U	27	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	74-97-5	Bromochloromethane	14	U	U	14	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	67-66-3	Chloroform	14	U	U	14	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	71-55-6	1,1,1-Trichloroethane	14	U	UJ	14	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	110-82-7	Cyclohexane	1.6	J	J	14	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	56-23-5	Carbon tetrachloride	14	U	UJ	14	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	71-43-2	Benzene	7.7	J	J	14	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	107-06-2	1,2-Dichloroethane	14	U	UJ	14	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	79-01-6	Trichloroethene	14	U	U	14	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	108-87-2	Methylcyclohexane	6.2	J	J	14	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	78-87-5	1,2-Dichloropropane	14	U	U	14	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	75-27-4	Bromodichloromethane	14	U	U	14	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	14	U	U	14	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	108-10-1	4-Methyl-2-pentanone	27	U	U	27	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	108-88-3	Toluene	14	JB	U	14	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	14	U	U	14	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	79-00-5	1,1,2-Trichloroethane	14	U	U	14	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	127-18-4	Tetrachloroethene	14	U	U	14	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	591-78-6	2-Hexanone	27	U	U	27	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	124-48-1	Dibromochloromethane	14	U	U	14	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	106-93-4	1,2-Dibromoethane	14	U	UJ	14	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	108-90-7	Chlorobenzene	14	U	U	14	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	100-41-4	Ethylbenzene	2.5	J	J	14	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	95-47-6	o-Xylene	14			14	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	179601-23-1	m,p-Xylene	4.9	J	J	14	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	100-42-5	Styrene	14	U	U	14	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	75-25-2	Bromoform	14	U	UJ	14	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	98-82-8	Isopropylbenzene	13	J	J+	14	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	96-18-4	1,2,3-Trichloropropane	14	U	U	14	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	14	U	U	14	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	541-73-1	1,3-Dichlorobenzene	14	U	UJ	14	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	106-46-7	1,4-Dichlorobenzene	14	U	UJ	14	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	95-50-1	1,2-Dichlorobenzene	14	U	UJ	14	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	14	U	UJ	14	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	14	U	UJ	14	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	14	U	UJ	14	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	120-82-1	1,2,4-trichlorobenzene	14	U	UJ	14	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	14	U	UJ	14	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	E966796	Total Alkanes	2400	BN	BN		ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	1000280-66-3	2-Thiophenecarboxylic acid, 4-tetr	7.6	JN	JN		ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	032064-78-1	5-Octen-4-one, 7-methyl-	40	JN	JN		ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	004218-48-8	Benzene, 1-ethyl-4-(1-methylethyl)	68	JN	JN		ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	002958-76-1	Naphthalene, decahydro-2-methyl-	190	JN	JN		ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	000874-41-9	Benzene, 1-ethyl-2,4-dimethyl-	140	JN	JN		ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	unknown-05	unknown-05	160	J	J		ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	unknown-03	unknown-03	120	J	J		ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	unknown-01	unknown-01	34	J	J		ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	unknown-02	unknown-02	38	J	J		ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	unknown-04	unknown-04	55	J	J		ug/kg	6100-SED04B

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG568ME	Sediment		1.0	75-71-8	Dichlorodifluoromethane	1200	U	U	1200	ug/kg	6100-SED04B
BG568ME	Sediment		1.0	74-87-3	Chloromethane	1200	U	U	1200	ug/kg	6100-SED04B
BG568ME	Sediment		1.0	75-01-4	Vinyl chloride	1200	U	U	1200	ug/kg	6100-SED04B
BG568ME	Sediment		1.0	74-83-9	Bromomethane	1200	U	U	1200	ug/kg	6100-SED04B
BG568ME	Sediment		1.0	75-00-3	Chloroethane	1200	U	U	1200	ug/kg	6100-SED04B
BG568ME	Sediment		1.0	75-69-4	Trichlorofluoromethane	1200	U	U	1200	ug/kg	6100-SED04B
BG568ME	Sediment		1.0	75-35-4	1,1-Dichloroethene	1200	U	U	1200	ug/kg	6100-SED04B
BG568ME	Sediment		1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1200	U	U	1200	ug/kg	6100-SED04B
BG568ME	Sediment		1.0	67-64-1	Acetone	2300	U	U	2300	ug/kg	6100-SED04B
BG568ME	Sediment		1.0	75-15-0	Carbon disulfide	1200	U	U	1200	ug/kg	6100-SED04B
BG568ME	Sediment		1.0	79-20-9	Methyl Acetate	1200	U	U	1200	ug/kg	6100-SED04B
BG568ME	Sediment		1.0	75-09-2	Methylene chloride	1200	U	U	1200	ug/kg	6100-SED04B
BG568ME	Sediment		1.0	156-60-5	trans-1,2-Dichloroethene	1200	U	U	1200	ug/kg	6100-SED04B
BG568ME	Sediment		1.0	1634-04-4	Methyl tert-butyl Ether	1200	U	U	1200	ug/kg	6100-SED04B
BG568ME	Sediment		1.0	75-34-3	1,1-Dichloroethane	1200	U	U	1200	ug/kg	6100-SED04B
BG568ME	Sediment		1.0	156-59-2	cis-1,2-Dichloroethene	1200	U	U	1200	ug/kg	6100-SED04B
BG568ME	Sediment		1.0	78-93-3	2-Butanone	2300	U	U	2300	ug/kg	6100-SED04B
BG568ME	Sediment		1.0	74-97-5	Bromochloromethane	1200	U	U	1200	ug/kg	6100-SED04B
BG568ME	Sediment		1.0	67-66-3	Chloroform	1200	U	U	1200	ug/kg	6100-SED04B
BG568ME	Sediment		1.0	71-55-6	1,1,1-Trichloroethane	1200	U	U	1200	ug/kg	6100-SED04B
BG568ME	Sediment		1.0	110-82-7	Cyclohexane	1200	U	U	1200	ug/kg	6100-SED04B
BG568ME	Sediment		1.0	56-23-5	Carbon tetrachloride	1200	U	U	1200	ug/kg	6100-SED04B
BG568ME	Sediment		1.0	71-43-2	Benzene	1200	U	U	1200	ug/kg	6100-SED04B
BG568ME	Sediment		1.0	107-06-2	1,2-Dichloroethane	1200	U	U	1200	ug/kg	6100-SED04B
BG568ME	Sediment		1.0	79-01-6	Trichloroethene	1200	U	U	1200	ug/kg	6100-SED04B
BG568ME	Sediment		1.0	108-87-2	Methylcyclohexane	1200	U	U	1200	ug/kg	6100-SED04B
BG568ME	Sediment		1.0	78-87-5	1,2-Dichloropropane	1200	U	U	1200	ug/kg	6100-SED04B
BG568ME	Sediment		1.0	75-27-4	Bromodichloromethane	1200	U	U	1200	ug/kg	6100-SED04B
BG568ME	Sediment		1.0	10061-01-5	cis-1,3-Dichloropropene	1200	U	U	1200	ug/kg	6100-SED04B
BG568ME	Sediment		1.0	108-10-1	4-Methyl-2-pentanone	2300	U	U	2300	ug/kg	6100-SED04B
BG568ME	Sediment		1.0	108-88-3	Toluene	1200	U	U	1200	ug/kg	6100-SED04B
BG568ME	Sediment		1.0	10061-02-6	trans-1,3-Dichloropropene	1200	U	U	1200	ug/kg	6100-SED04B
BG568ME	Sediment		1.0	79-00-5	1,1,2-Trichloroethane	1200	U	U	1200	ug/kg	6100-SED04B
BG568ME	Sediment		1.0	127-18-4	Tetrachloroethene	1200	U	U	1200	ug/kg	6100-SED04B
BG568ME	Sediment		1.0	591-78-6	2-Hexanone	2300	U	U	2300	ug/kg	6100-SED04B
BG568ME	Sediment		1.0	124-48-1	Dibromochloromethane	1200	U	U	1200	ug/kg	6100-SED04B
BG568ME	Sediment		1.0	106-93-4	1,2-Dibromoethane	1200	U	U	1200	ug/kg	6100-SED04B
BG568ME	Sediment		1.0	108-90-7	Chlorobenzene	1200	U	U	1200	ug/kg	6100-SED04B
BG568ME	Sediment		1.0	100-41-4	Ethylbenzene	1200	U	U	1200	ug/kg	6100-SED04B
BG568ME	Sediment		1.0	95-47-6	o-Xylene	1200	U	U	1200	ug/kg	6100-SED04B
BG568ME	Sediment		1.0	179601-23-1	m,p-Xylene	1200	U	U	1200	ug/kg	6100-SED04B
BG568ME	Sediment		1.0	100-42-5	Styrene	1200	U	U	1200	ug/kg	6100-SED04B
BG568ME	Sediment		1.0	75-25-2	Bromoform	1200	U	U	1200	ug/kg	6100-SED04B
BG568ME	Sediment		1.0	98-82-8	Isopropylbenzene	1200	U	U	1200	ug/kg	6100-SED04B
BG568ME	Sediment		1.0	96-18-4	1,2,3-Trichloropropane	1200	U	U	1200	ug/kg	6100-SED04B
BG568ME	Sediment		1.0	79-34-5	1,1,2,2-Tetrachloroethane	1200	U	U	1200	ug/kg	6100-SED04B
BG568ME	Sediment		1.0	541-73-1	1,3-Dichlorobenzene	1200	U	U	1200	ug/kg	6100-SED04B
BG568ME	Sediment		1.0	106-46-7	1,4-Dichlorobenzene	1200	U	U	1200	ug/kg	6100-SED04B
BG568ME	Sediment		1.0	95-50-1	1,2-Dichlorobenzene	1200	U	U	1200	ug/kg	6100-SED04B
BG568ME	Sediment		1.0	96-12-8	1,2-Dibromo-3-chloropropane	1200	U	U	1200	ug/kg	6100-SED04B
BG568ME	Sediment		1.0	95-63-6	1,2,4-Trimethylbenzene	1200	U	U	1200	ug/kg	6100-SED04B
BG568ME	Sediment		1.0	108-67-8	1,3,5-Trimethylbenzene	1200	U	U	1200	ug/kg	6100-SED04B
BG568ME	Sediment		1.0	120-82-1	1,2,4-trichlorobenzene	1200	U	U	1200	ug/kg	6100-SED04B
BG568ME	Sediment		1.0	87-61-6	1,2,3-Trichlorobenzene	1200	U	U	1200	ug/kg	6100-SED04B
BG568ME	Sediment		1.0	E966796	Total Alkanes		N	N		ug/kg	6100-SED04B
BG569	Sediment	04/19/2021	1.0	75-71-8	Dichlorodifluoromethane	28	U	U	28	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	74-87-3	Chloromethane	28	U	U	28	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	75-01-4	Vinyl chloride	28	U	U	28	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	74-83-9	Bromomethane	28	U	U	28	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	75-00-3	Chloroethane	28	U	U	28	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	75-69-4	Trichlorofluoromethane	28	U	U	28	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	75-35-4	1,1-Dichloroethene	28	U	UJ	28	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	28	U	U	28	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	67-64-1	Acetone	200			57	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	75-15-0	Carbon disulfide	5.1	J	J	28	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	79-20-9	Methyl Acetate	28	U	U	28	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	75-09-2	Methylene chloride	54			28	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	156-60-5	trans-1,2-Dichloroethene	28	U	UJ	28	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	1634-04-4	Methyl tert-butyl Ether	28	U	U	28	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	75-34-3	1,1-Dichloroethane	28	U	U	28	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	156-59-2	cis-1,2-Dichloroethene	28	U	UJ	28	ug/kg	6100-SED04C

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG569	Sediment	04/19/2021	1.0	78-93-3	2-Butanone	57	U	U	57	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	74-97-5	Bromochloromethane	28	U	U	28	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	67-66-3	Chloroform	28	U	U	28	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	71-55-6	1,1,1-Trichloroethane	28	U	U	28	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	110-82-7	Cyclohexane	28	U	U	28	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	56-23-5	Carbon tetrachloride	28	U	U	28	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	71-43-2	Benzene	28	U	U	28	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	107-06-2	1,2-Dichloroethane	28	U	U	28	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	79-01-6	Trichloroethene	28	U	U	28	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	108-87-2	Methylcyclohexane	28	U	U	28	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	78-87-5	1,2-Dichloropropane	28	U	U	28	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	75-27-4	Bromodichloromethane	28	U	U	28	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	28	U	U	28	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	108-10-1	4-Methyl-2-pentanone	57	U	U	57	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	108-88-3	Toluene	28	JB	U	28	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	28	U	U	28	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	79-00-5	1,1,2-Trichloroethane	28	U	U	28	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	127-18-4	Tetrachloroethene	28	U	U	28	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	591-78-6	2-Hexanone	57	U	U	57	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	124-48-1	Dibromochloromethane	28	U	U	28	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	106-93-4	1,2-Dibromoethane	28	U	U	28	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	108-90-7	Chlorobenzene	28	U	U	28	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	100-41-4	Ethylbenzene	28	U	U	28	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	95-47-6	o-Xylene	28	U	U	28	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	179601-23-1	m,p-Xylene	28	U	U	28	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	100-42-5	Styrene	28	U	U	28	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	75-25-2	Bromoform	28	U	U	28	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	98-82-8	Isopropylbenzene	28	U	U	28	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	96-18-4	1,2,3-Trichloropropane	28	U	U	28	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	28	U	U	28	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	541-73-1	1,3-Dichlorobenzene	28	U	U	28	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	106-46-7	1,4-Dichlorobenzene	28	U	U	28	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	95-50-1	1,2-Dichlorobenzene	28	U	U	28	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	28	U	U	28	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	28	U	U	28	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	28	U	U	28	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	120-82-1	1,2,4-trichlorobenzene	28	U	U	28	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	28	U	U	28	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	1000309-20-1	Sulfurous acid, 2-ethylhexyl octad	14	JN	JN		ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	080655-44-3	Decahydro-4,4,8,9,10-pentamethylna	210	JN	JN		ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	000581-40-8	Naphthalene, 2,3-dimethyl-	97	JN	JN		ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	000075-18-3	Dimethyl sulfide	32	JN	JN		ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	6100-SED04C
BG570	Sediment	04/19/2021	1.0	75-71-8	Dichlorodifluoromethane	19	U	U	19	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	74-87-3	Chloromethane	19	U	UJ	19	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	75-01-4	Vinyl chloride	19	U	U	19	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	74-83-9	Bromomethane	19	U	U	19	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	75-00-3	Chloroethane	19	U	U	19	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	75-69-4	Trichlorofluoromethane	19	U	U	19	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	75-35-4	1,1-Dichloroethene	19	U	UJ	19	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	19	U	U	19	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	67-64-1	Acetone	190			37	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	75-15-0	Carbon disulfide	7.2	J	J	19	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	79-20-9	Methyl Acetate	19	U	U	19	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	75-09-2	Methylene chloride	29			19	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	156-60-5	trans-1,2-Dichloroethene	19	U	UJ	19	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	1634-04-4	Methyl tert-butyl Ether	19	U	U	19	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	75-34-3	1,1-Dichloroethane	19	U	U	19	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	156-59-2	cis-1,2-Dichloroethene	19	U	UJ	19	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	78-93-3	2-Butanone	48			37	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	74-97-5	Bromochloromethane	19	U	U	19	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	67-66-3	Chloroform	19	U	U	19	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	71-55-6	1,1,1-Trichloroethane	19	U	U	19	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	110-82-7	Cyclohexane	3.6	J	J	19	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	56-23-5	Carbon tetrachloride	19	U	U	19	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	71-43-2	Benzene	12	J	J	19	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	107-06-2	1,2-Dichloroethane	19	U	U	19	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	79-01-6	Trichloroethene	19	U	U	19	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	108-87-2	Methylcyclohexane	14	J	J	19	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	78-87-5	1,2-Dichloropropane	19	U	U	19	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	75-27-4	Bromodichloromethane	19	U	U	19	ug/kg	6100-SED05A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG570	Sediment	04/19/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	19	U	U	19	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	108-10-1	4-Methyl-2-pentanone	37	U	U	37	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	108-88-3	Toluene	19	JB	U	19	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	19	U	U	19	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	79-00-5	1,1,2-Trichloroethane	19	U	U	19	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	127-18-4	Tetrachloroethene	19	U	U	19	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	591-78-6	2-Hexanone	37	U	U	37	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	124-48-1	Dibromochloromethane	19	U	U	19	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	106-93-4	1,2-Dibromoethane	19	U	U	19	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	108-90-7	Chlorobenzene	19	U	U	19	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	100-41-4	Ethylbenzene	2.8	J	J	19	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	95-47-6	o-Xylene	20			19	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	179601-23-1	m,p-Xylene	8.3	J	J	19	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	100-42-5	Styrene	19	U	U	19	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	75-25-2	Bromoform	19	U	UJ	19	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	98-82-8	Isopropylbenzene	19	U	UJ	19	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	96-18-4	1,2,3-Trichloropropane	19	U	U	19	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	19	U	U	19	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	541-73-1	1,3-Dichlorobenzene	19	U	UJ	19	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	106-46-7	1,4-Dichlorobenzene	19	U	UJ	19	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	95-50-1	1,2-Dichlorobenzene	19	U	UJ	19	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	19	U	UJ	19	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	19	U	UJ	19	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	19	U	UJ	19	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	120-82-1	1,2,4-trichlorobenzene	19	U	UJ	19	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	19	U	UJ	19	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	unknown-02	unknown-02	74	J	J		ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	unknown-03	unknown-03	90	J	J		ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	unknown-04	unknown-04	160	J	J		ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	unknown-01	unknown-01	250	J	J		ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	002958-76-1	Naphthalene, decahydro-2-methyl-	340	JN	JN		ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	016054-12-9	1,1-Dimethyl-1-silacyclo-3-pentene	130	JN	JN		ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	1000309-68-4	Oxalic acid, cyclohexylmethyl octy	170	JN	JN		ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	E966796	Total Alkanes	4300	BN	BN		ug/kg	6100-SED05A
BG570ME	Sediment		1.0	75-71-8	Dichlorodifluoromethane	1200	U	U	1200	ug/kg	6100-SED05A
BG570ME	Sediment		1.0	74-87-3	Chloromethane	1200	U	U	1200	ug/kg	6100-SED05A
BG570ME	Sediment		1.0	75-01-4	Vinyl chloride	1200	U	U	1200	ug/kg	6100-SED05A
BG570ME	Sediment		1.0	74-83-9	Bromomethane	1200	U	U	1200	ug/kg	6100-SED05A
BG570ME	Sediment		1.0	75-00-3	Chloroethane	1200	U	U	1200	ug/kg	6100-SED05A
BG570ME	Sediment		1.0	75-69-4	Trichlorofluoromethane	1200	U	U	1200	ug/kg	6100-SED05A
BG570ME	Sediment		1.0	75-35-4	1,1-Dichloroethene	1200	U	U	1200	ug/kg	6100-SED05A
BG570ME	Sediment		1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1200	U	U	1200	ug/kg	6100-SED05A
BG570ME	Sediment		1.0	67-64-1	Acetone	2400	U	U	2400	ug/kg	6100-SED05A
BG570ME	Sediment		1.0	75-15-0	Carbon disulfide	1200	U	U	1200	ug/kg	6100-SED05A
BG570ME	Sediment		1.0	79-20-9	Methyl Acetate	1200	U	U	1200	ug/kg	6100-SED05A
BG570ME	Sediment		1.0	75-09-2	Methylene chloride	1200	U	U	1200	ug/kg	6100-SED05A
BG570ME	Sediment		1.0	156-60-5	trans-1,2-Dichloroethene	1200	U	U	1200	ug/kg	6100-SED05A
BG570ME	Sediment		1.0	1634-04-4	Methyl tert-butyl Ether	1200	U	U	1200	ug/kg	6100-SED05A
BG570ME	Sediment		1.0	75-34-3	1,1-Dichloroethane	1200	U	U	1200	ug/kg	6100-SED05A
BG570ME	Sediment		1.0	156-59-2	cis-1,2-Dichloroethene	1200	U	U	1200	ug/kg	6100-SED05A
BG570ME	Sediment		1.0	78-93-3	2-Butanone	2400	U	U	2400	ug/kg	6100-SED05A
BG570ME	Sediment		1.0	74-97-5	Bromochloromethane	1200	U	U	1200	ug/kg	6100-SED05A
BG570ME	Sediment		1.0	67-66-3	Chloroform	1200	U	U	1200	ug/kg	6100-SED05A
BG570ME	Sediment		1.0	71-55-6	1,1,1-Trichloroethane	1200	U	U	1200	ug/kg	6100-SED05A
BG570ME	Sediment		1.0	110-82-7	Cyclohexane	1200	U	U	1200	ug/kg	6100-SED05A
BG570ME	Sediment		1.0	56-23-5	Carbon tetrachloride	1200	U	U	1200	ug/kg	6100-SED05A
BG570ME	Sediment		1.0	71-43-2	Benzene	1200	U	U	1200	ug/kg	6100-SED05A
BG570ME	Sediment		1.0	107-06-2	1,2-Dichloroethane	1200	U	U	1200	ug/kg	6100-SED05A
BG570ME	Sediment		1.0	79-01-6	Trichloroethene	1200	U	U	1200	ug/kg	6100-SED05A
BG570ME	Sediment		1.0	108-87-2	Methylcyclohexane	1200	U	U	1200	ug/kg	6100-SED05A
BG570ME	Sediment		1.0	78-87-5	1,2-Dichloropropane	1200	U	U	1200	ug/kg	6100-SED05A
BG570ME	Sediment		1.0	75-27-4	Bromodichloromethane	1200	U	U	1200	ug/kg	6100-SED05A
BG570ME	Sediment		1.0	10061-01-5	cis-1,3-Dichloropropene	1200	U	U	1200	ug/kg	6100-SED05A
BG570ME	Sediment		1.0	108-10-1	4-Methyl-2-pentanone	2400	U	U	2400	ug/kg	6100-SED05A
BG570ME	Sediment		1.0	108-88-3	Toluene	1200	U	U	1200	ug/kg	6100-SED05A
BG570ME	Sediment		1.0	10061-02-6	trans-1,3-Dichloropropene	1200	U	U	1200	ug/kg	6100-SED05A
BG570ME	Sediment		1.0	79-00-5	1,1,2-Trichloroethane	1200	U	U	1200	ug/kg	6100-SED05A
BG570ME	Sediment		1.0	127-18-4	Tetrachloroethene	1200	U	U	1200	ug/kg	6100-SED05A
BG570ME	Sediment		1.0	591-78-6	2-Hexanone	2400	U	U	2400	ug/kg	6100-SED05A
BG570ME	Sediment		1.0	124-48-1	Dibromochloromethane	1200	U	U	1200	ug/kg	6100-SED05A
BG570ME	Sediment		1.0	106-93-4	1,2-Dibromoethane	1200	U	U	1200	ug/kg	6100-SED05A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG570ME	Sediment		1.0	108-90-7	Chlorobenzene	1200	U	U	1200	ug/kg	6100-SED05A
BG570ME	Sediment		1.0	100-41-4	Ethylbenzene	1200	U	U	1200	ug/kg	6100-SED05A
BG570ME	Sediment		1.0	95-47-6	o-Xylene	1200	U	U	1200	ug/kg	6100-SED05A
BG570ME	Sediment		1.0	179601-23-1	m,p-Xylene	1200	U	U	1200	ug/kg	6100-SED05A
BG570ME	Sediment		1.0	100-42-5	Styrene	1200	U	U	1200	ug/kg	6100-SED05A
BG570ME	Sediment		1.0	75-25-2	Bromoform	1200	U	U	1200	ug/kg	6100-SED05A
BG570ME	Sediment		1.0	98-82-8	Isopropylbenzene	1200	U	U	1200	ug/kg	6100-SED05A
BG570ME	Sediment		1.0	96-18-4	1,2,3-Trichloropropane	1200	U	U	1200	ug/kg	6100-SED05A
BG570ME	Sediment		1.0	79-34-5	1,1,2,2-Tetrachloroethane	1200	U	U	1200	ug/kg	6100-SED05A
BG570ME	Sediment		1.0	541-73-1	1,3-Dichlorobenzene	1200	U	U	1200	ug/kg	6100-SED05A
BG570ME	Sediment		1.0	106-46-7	1,4-Dichlorobenzene	1200	U	U	1200	ug/kg	6100-SED05A
BG570ME	Sediment		1.0	95-50-1	1,2-Dichlorobenzene	1200	U	U	1200	ug/kg	6100-SED05A
BG570ME	Sediment		1.0	96-12-8	1,2-Dibromo-3-chloropropane	1200	U	U	1200	ug/kg	6100-SED05A
BG570ME	Sediment		1.0	95-63-6	1,2,4-Trimethylbenzene	1200	U	U	1200	ug/kg	6100-SED05A
BG570ME	Sediment		1.0	108-67-8	1,3,5-Trimethylbenzene	1200	U	U	1200	ug/kg	6100-SED05A
BG570ME	Sediment		1.0	120-82-1	1,2,4-trichlorobenzene	1200	U	U	1200	ug/kg	6100-SED05A
BG570ME	Sediment		1.0	87-61-6	1,2,3-Trichlorobenzene	1200	U	U	1200	ug/kg	6100-SED05A
BG570ME	Sediment		1.0	E966796	Total Alkanes		N	N		ug/kg	6100-SED05A
BG571	Sediment	04/19/2021	1.0	75-71-8	Dichlorodifluoromethane	28	U	U	28	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	74-87-3	Chloromethane	28	U	UJ	28	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	75-01-4	Vinyl chloride	28	U	U	28	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	74-83-9	Bromomethane	28	U	U	28	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	75-00-3	Chloroethane	28	U	U	28	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	75-69-4	Trichlorofluoromethane	28	U	UJ	28	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	75-35-4	1,1-Dichloroethene	28	U	UJ	28	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	28	U	UJ	28	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	67-64-1	Acetone	250			55	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	75-15-0	Carbon disulfide	17	J	J	28	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	79-20-9	Methyl Acetate	28	U	UJ	28	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	75-09-2	Methylene chloride	46		J-	28	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	156-60-5	trans-1,2-Dichloroethene	28	U	UJ	28	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	1634-04-4	Methyl tert-butyl Ether	28	U	UJ	28	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	75-34-3	1,1-Dichloroethane	28	U	U	28	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	156-59-2	cis-1,2-Dichloroethene	28	U	UJ	28	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	78-93-3	2-Butanone	55	U	U	55	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	74-97-5	Bromochloromethane	28	U	U	28	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	67-66-3	Chloroform	28	U	U	28	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	71-55-6	1,1,1-Trichloroethane	28	U	UJ	28	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	110-82-7	Cyclohexane	28	U	U	28	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	56-23-5	Carbon tetrachloride	28	U	UJ	28	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	71-43-2	Benzene	28	U	U	28	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	107-06-2	1,2-Dichloroethane	28	U	UJ	28	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	79-01-6	Trichloroethene	28	U	U	28	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	108-87-2	Methylcyclohexane	28	U	U	28	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	78-87-5	1,2-Dichloropropane	28	U	U	28	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	75-27-4	Bromodichloromethane	28	U	U	28	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	28	U	U	28	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	108-10-1	4-Methyl-2-pentanone	55	U	U	55	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	108-88-3	Toluene	28	JB	U	28	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	28	U	U	28	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	79-00-5	1,1,2-Trichloroethane	28	U	U	28	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	127-18-4	Tetrachloroethene	28	U	U	28	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	591-78-6	2-Hexanone	55	U	U	55	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	124-48-1	Dibromochloromethane	28	U	U	28	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	106-93-4	1,2-Dibromoethane	28	U	UJ	28	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	108-90-7	Chlorobenzene	28	U	UJ	28	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	100-41-4	Ethylbenzene	28	U	U	28	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	95-47-6	o-Xylene	6.6	J	J	28	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	179601-23-1	m,p-Xylene	28	U	U	28	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	100-42-5	Styrene	28	U	U	28	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	75-25-2	Bromoform	28	U	UJ	28	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	98-82-8	Isopropylbenzene	28	U	UJ	28	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	96-18-4	1,2,3-Trichloropropane	28	U	U	28	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	28	U	U	28	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	541-73-1	1,3-Dichlorobenzene	28	U	UJ	28	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	106-46-7	1,4-Dichlorobenzene	28	U	UJ	28	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	95-50-1	1,2-Dichlorobenzene	28	U	UJ	28	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	28	U	UJ	28	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	28	U	UJ	28	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	28	U	UJ	28	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	120-82-1	1,2,4-trichlorobenzene	28	U	UJ	28	ug/kg	6100-SED05B

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG571	Sediment	04/19/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	28	U	UJ	28	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	E966796	Total Alkanes	1300	BN	BN		ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	007664-80-4	Octyl thioglycolate	130	JN	JN		ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	002958-76-1	Naphthalene, decahydro-2-methyl-	59	JN	JN		ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	000629-82-3	Octane, 1,1-oxybis-	130	JN	JN		ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	unknown-02	unknown-02	100	J	J		ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	unknown-03	unknown-03	39	J	J		ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	unknown-01	unknown-01	32	J	J		ug/kg	6100-SED05B
BG571ME	Sediment		1.0	75-71-8	Dichlorodifluoromethane	1700	U	U	1700	ug/kg	6100-SED05B
BG571ME	Sediment		1.0	74-87-3	Chloromethane	1700	U	U	1700	ug/kg	6100-SED05B
BG571ME	Sediment		1.0	75-01-4	Vinyl chloride	1700	U	U	1700	ug/kg	6100-SED05B
BG571ME	Sediment		1.0	74-83-9	Bromomethane	1700	U	U	1700	ug/kg	6100-SED05B
BG571ME	Sediment		1.0	75-00-3	Chloroethane	1700	U	U	1700	ug/kg	6100-SED05B
BG571ME	Sediment		1.0	75-69-4	Trichlorofluoromethane	1700	U	U	1700	ug/kg	6100-SED05B
BG571ME	Sediment		1.0	75-35-4	1,1-Dichloroethene	1700	U	U	1700	ug/kg	6100-SED05B
BG571ME	Sediment		1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1700	U	U	1700	ug/kg	6100-SED05B
BG571ME	Sediment		1.0	67-64-1	Acetone	3300	U	U	3300	ug/kg	6100-SED05B
BG571ME	Sediment		1.0	75-15-0	Carbon disulfide	1700	U	U	1700	ug/kg	6100-SED05B
BG571ME	Sediment		1.0	79-20-9	Methyl Acetate	1700	U	U	1700	ug/kg	6100-SED05B
BG571ME	Sediment		1.0	75-09-2	Methylene chloride	1700	U	U	1700	ug/kg	6100-SED05B
BG571ME	Sediment		1.0	156-60-5	trans-1,2-Dichloroethene	1700	U	U	1700	ug/kg	6100-SED05B
BG571ME	Sediment		1.0	1634-04-4	Methyl tert-butyl Ether	1700	U	U	1700	ug/kg	6100-SED05B
BG571ME	Sediment		1.0	75-34-3	1,1-Dichloroethane	1700	U	U	1700	ug/kg	6100-SED05B
BG571ME	Sediment		1.0	156-59-2	cis-1,2-Dichloroethene	1700	U	U	1700	ug/kg	6100-SED05B
BG571ME	Sediment		1.0	78-93-3	2-Butanone	3300	U	U	3300	ug/kg	6100-SED05B
BG571ME	Sediment		1.0	74-97-5	Bromochloromethane	1700	U	U	1700	ug/kg	6100-SED05B
BG571ME	Sediment		1.0	67-66-3	Chloroform	1700	U	U	1700	ug/kg	6100-SED05B
BG571ME	Sediment		1.0	71-55-6	1,1,1-Trichloroethane	1700	U	U	1700	ug/kg	6100-SED05B
BG571ME	Sediment		1.0	110-82-7	Cyclohexane	1700	U	U	1700	ug/kg	6100-SED05B
BG571ME	Sediment		1.0	56-23-5	Carbon tetrachloride	1700	U	U	1700	ug/kg	6100-SED05B
BG571ME	Sediment		1.0	71-43-2	Benzene	1700	U	U	1700	ug/kg	6100-SED05B
BG571ME	Sediment		1.0	107-06-2	1,2-Dichloroethane	1700	U	U	1700	ug/kg	6100-SED05B
BG571ME	Sediment		1.0	79-01-6	Trichloroethene	1700	U	U	1700	ug/kg	6100-SED05B
BG571ME	Sediment		1.0	108-87-2	Methylcyclohexane	1700	U	U	1700	ug/kg	6100-SED05B
BG571ME	Sediment		1.0	78-87-5	1,2-Dichloropropane	1700	U	U	1700	ug/kg	6100-SED05B
BG571ME	Sediment		1.0	75-27-4	Bromodichloromethane	1700	U	U	1700	ug/kg	6100-SED05B
BG571ME	Sediment		1.0	10061-01-5	cis-1,3-Dichloropropene	1700	U	U	1700	ug/kg	6100-SED05B
BG571ME	Sediment		1.0	108-10-1	4-Methyl-2-pentanone	3300	U	U	3300	ug/kg	6100-SED05B
BG571ME	Sediment		1.0	108-88-3	Toluene	1700	U	U	1700	ug/kg	6100-SED05B
BG571ME	Sediment		1.0	10061-02-6	trans-1,3-Dichloropropene	1700	U	U	1700	ug/kg	6100-SED05B
BG571ME	Sediment		1.0	79-00-5	1,1,2-Trichloroethane	1700	U	U	1700	ug/kg	6100-SED05B
BG571ME	Sediment		1.0	127-18-4	Tetrachloroethene	1700	U	U	1700	ug/kg	6100-SED05B
BG571ME	Sediment		1.0	591-78-6	2-Hexanone	3300	U	U	3300	ug/kg	6100-SED05B
BG571ME	Sediment		1.0	124-48-1	Dibromochloromethane	1700	U	U	1700	ug/kg	6100-SED05B
BG571ME	Sediment		1.0	106-93-4	1,2-Dibromoethane	1700	U	U	1700	ug/kg	6100-SED05B
BG571ME	Sediment		1.0	108-90-7	Chlorobenzene	1700	U	U	1700	ug/kg	6100-SED05B
BG571ME	Sediment		1.0	100-41-4	Ethylbenzene	1700	U	U	1700	ug/kg	6100-SED05B
BG571ME	Sediment		1.0	95-47-6	o-Xylene	1700	U	U	1700	ug/kg	6100-SED05B
BG571ME	Sediment		1.0	179601-23-1	m,p-Xylene	1700	U	U	1700	ug/kg	6100-SED05B
BG571ME	Sediment		1.0	100-42-5	Styrene	1700	U	U	1700	ug/kg	6100-SED05B
BG571ME	Sediment		1.0	75-25-2	Bromoform	1700	U	U	1700	ug/kg	6100-SED05B
BG571ME	Sediment		1.0	98-82-8	Isopropylbenzene	1700	U	U	1700	ug/kg	6100-SED05B
BG571ME	Sediment		1.0	96-18-4	1,2,3-Trichloropropane	1700	U	U	1700	ug/kg	6100-SED05B
BG571ME	Sediment		1.0	79-34-5	1,1,2,2-Tetrachloroethane	1700	U	U	1700	ug/kg	6100-SED05B
BG571ME	Sediment		1.0	541-73-1	1,3-Dichlorobenzene	1700	U	U	1700	ug/kg	6100-SED05B
BG571ME	Sediment		1.0	106-46-7	1,4-Dichlorobenzene	1700	U	U	1700	ug/kg	6100-SED05B
BG571ME	Sediment		1.0	95-50-1	1,2-Dichlorobenzene	1700	U	U	1700	ug/kg	6100-SED05B
BG571ME	Sediment		1.0	96-12-8	1,2-Dibromo-3-chloropropane	1700	U	U	1700	ug/kg	6100-SED05B
BG571ME	Sediment		1.0	95-63-6	1,2,4-Trimethylbenzene	1700	U	U	1700	ug/kg	6100-SED05B
BG571ME	Sediment		1.0	108-67-8	1,3,5-Trimethylbenzene	1700	U	U	1700	ug/kg	6100-SED05B
BG571ME	Sediment		1.0	120-82-1	1,2,4-trichlorobenzene	1700	U	U	1700	ug/kg	6100-SED05B
BG571ME	Sediment		1.0	87-61-6	1,2,3-Trichlorobenzene	1700	U	U	1700	ug/kg	6100-SED05B
BG571ME	Sediment		1.0	E966796	Total Alkanes		N	N		ug/kg	6100-SED05B
BG572	Sediment	04/19/2021	1.0	75-71-8	Dichlorodifluoromethane	25	U	U	25	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	74-87-3	Chloromethane	25	U	UJ	25	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	75-01-4	Vinyl chloride	25	U	U	25	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	74-83-9	Bromomethane	25	U	U	25	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	75-00-3	Chloroethane	25	U	U	25	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	75-69-4	Trichlorofluoromethane	25	U	UJ	25	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	75-35-4	1,1-Dichloroethene	25	U	UJ	25	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	25	U	UJ	25	ug/kg	6100-SED05C

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG572	Sediment	04/19/2021	1.0	67-64-1	Acetone	110			50	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	75-15-0	Carbon disulfide	4.3	J	J	25	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	79-20-9	Methyl Acetate	25	U	UJ	25	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	75-09-2	Methylene chloride	38		J-	25	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	156-60-5	trans-1,2-Dichloroethene	25	U	UJ	25	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	1634-04-4	Methyl tert-butyl Ether	25	U	UJ	25	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	75-34-3	1,1-Dichloroethane	25	U	U	25	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	156-59-2	cis-1,2-Dichloroethene	25	U	UJ	25	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	78-93-3	2-Butanone	50	U	U	50	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	74-97-5	Bromochloromethane	25	U	U	25	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	67-66-3	Chloroform	25	U	U	25	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	71-55-6	1,1,1-Trichloroethane	25	U	UJ	25	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	110-82-7	Cyclohexane	25	U	U	25	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	56-23-5	Carbon tetrachloride	25	U	UJ	25	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	71-43-2	Benzene	25	U	U	25	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	107-06-2	1,2-Dichloroethane	25	U	UJ	25	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	79-01-6	Trichloroethene	25	U	U	25	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	108-87-2	Methylcyclohexane	25	U	U	25	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	78-87-5	1,2-Dichloropropane	25	U	U	25	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	75-27-4	Bromodichloromethane	25	U	U	25	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	25	U	U	25	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	108-10-1	4-Methyl-2-pentanone	50	U	U	50	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	108-88-3	Toluene	25	U	U	25	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	25	U	U	25	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	79-00-5	1,1,2-Trichloroethane	25	U	U	25	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	127-18-4	Tetrachloroethene	25	U	U	25	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	591-78-6	2-Hexanone	50	U	U	50	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	124-48-1	Dibromochloromethane	25	U	U	25	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	106-93-4	1,2-Dibromoethane	25	U	UJ	25	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	108-90-7	Chlorobenzene	25	U	U	25	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	100-41-4	Ethylbenzene	25	U	U	25	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	95-47-6	o-Xylene	25	U	U	25	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	179601-23-1	m,p-Xylene	25	U	U	25	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	100-42-5	Styrene	25	U	U	25	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	75-25-2	Bromoform	25	U	U	25	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	98-82-8	Isopropylbenzene	25	U	U	25	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	96-18-4	1,2,3-Trichloropropane	25	U	U	25	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	25	U	U	25	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	541-73-1	1,3-Dichlorobenzene	25	U	U	25	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	106-46-7	1,4-Dichlorobenzene	25	U	U	25	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	95-50-1	1,2-Dichlorobenzene	25	U	U	25	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	25	U	U	25	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	25	U	U	25	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	25	U	U	25	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	120-82-1	1,2,4-trichlorobenzene	25	U	U	25	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	25	U	U	25	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	000075-18-3	Dimethyl sulfide	14	JN	JN		ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	6100-SED05C
VBLK102		04/16/2021	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5.0	ug/kg	
VBLK102		04/16/2021	1.0	74-87-3	Chloromethane	5.0	U	U	5.0	ug/kg	
VBLK102		04/16/2021	1.0	75-01-4	Vinyl chloride	5.0	U	U	5.0	ug/kg	
VBLK102		04/16/2021	1.0	74-83-9	Bromomethane	5.0	U	U	5.0	ug/kg	
VBLK102		04/16/2021	1.0	75-00-3	Chloroethane	5.0	U	U	5.0	ug/kg	
VBLK102		04/16/2021	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5.0	ug/kg	
VBLK102		04/16/2021	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5.0	ug/kg	
VBLK102		04/16/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5.0	ug/kg	
VBLK102		04/16/2021	1.0	67-64-1	Acetone	10	U	U	10	ug/kg	
VBLK102		04/16/2021	1.0	75-15-0	Carbon disulfide	5.0	U	U	5.0	ug/kg	
VBLK102		04/16/2021	1.0	79-20-9	Methyl Acetate	5.0	U	U	5.0	ug/kg	
VBLK102		04/16/2021	1.0	75-09-2	Methylene chloride	5.0	U	U	5.0	ug/kg	
VBLK102		04/16/2021	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5.0	ug/kg	
VBLK102		04/16/2021	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5.0	ug/kg	
VBLK102		04/16/2021	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5.0	ug/kg	
VBLK102		04/16/2021	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5.0	ug/kg	
VBLK102		04/16/2021	1.0	78-93-3	2-Butanone	10	U	U	10	ug/kg	
VBLK102		04/16/2021	1.0	74-97-5	Bromochloromethane	5.0	U	U	5.0	ug/kg	
VBLK102		04/16/2021	1.0	67-66-3	Chloroform	5.0	U	U	5.0	ug/kg	
VBLK102		04/16/2021	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5.0	ug/kg	
VBLK102		04/16/2021	1.0	110-82-7	Cyclohexane	5.0	U	U	5.0	ug/kg	
VBLK102		04/16/2021	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5.0	ug/kg	
VBLK102		04/16/2021	1.0	71-43-2	Benzene	5.0	U	U	5.0	ug/kg	

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
VBLK102		04/16/2021	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5.0	ug/kg	
VBLK102		04/16/2021	1.0	79-01-6	Trichloroethene	5.0	U	U	5.0	ug/kg	
VBLK102		04/16/2021	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5.0	ug/kg	
VBLK102		04/16/2021	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5.0	ug/kg	
VBLK102		04/16/2021	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5.0	ug/kg	
VBLK102		04/16/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5.0	ug/kg	
VBLK102		04/16/2021	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/kg	
VBLK102		04/16/2021	1.0	108-88-3	Toluene	0.70	J	J	5.0	ug/kg	
VBLK102		04/16/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5.0	ug/kg	
VBLK102		04/16/2021	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5.0	ug/kg	
VBLK102		04/16/2021	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5.0	ug/kg	
VBLK102		04/16/2021	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/kg	
VBLK102		04/16/2021	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5.0	ug/kg	
VBLK102		04/16/2021	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5.0	ug/kg	
VBLK102		04/16/2021	1.0	108-90-7	Chlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK102		04/16/2021	1.0	100-41-4	Ethylbenzene	5.0	U	U	5.0	ug/kg	
VBLK102		04/16/2021	1.0	95-47-6	o-Xylene	5.0	U	U	5.0	ug/kg	
VBLK102		04/16/2021	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5.0	ug/kg	
VBLK102		04/16/2021	1.0	100-42-5	Styrene	5.0	U	U	5.0	ug/kg	
VBLK102		04/16/2021	1.0	75-25-2	Bromoform	5.0	U	U	5.0	ug/kg	
VBLK102		04/16/2021	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5.0	ug/kg	
VBLK102		04/16/2021	1.0	96-18-4	1,2,3-Trichloropropane	5.0	U	U	5.0	ug/kg	
VBLK102		04/16/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5.0	ug/kg	
VBLK102		04/16/2021	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK102		04/16/2021	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK102		04/16/2021	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK102		04/16/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5.0	ug/kg	
VBLK102		04/16/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	5.0	U	U	5.0	ug/kg	
VBLK102		04/16/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	5.0	U	U	5.0	ug/kg	
VBLK102		04/16/2021	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK102		04/16/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK102		04/16/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	
VBLK104		04/20/2021	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5.0	ug/kg	
VBLK104		04/20/2021	1.0	74-87-3	Chloromethane	5.0	U	U	5.0	ug/kg	
VBLK104		04/20/2021	1.0	75-01-4	Vinyl chloride	5.0	U	U	5.0	ug/kg	
VBLK104		04/20/2021	1.0	74-83-9	Bromomethane	5.0	U	U	5.0	ug/kg	
VBLK104		04/20/2021	1.0	75-00-3	Chloroethane	5.0	U	U	5.0	ug/kg	
VBLK104		04/20/2021	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5.0	ug/kg	
VBLK104		04/20/2021	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5.0	ug/kg	
VBLK104		04/20/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5.0	ug/kg	
VBLK104		04/20/2021	1.0	67-64-1	Acetone	10	U	U	10	ug/kg	
VBLK104		04/20/2021	1.0	75-15-0	Carbon disulfide	5.0	U	U	5.0	ug/kg	
VBLK104		04/20/2021	1.0	79-20-9	Methyl Acetate	5.0	U	U	5.0	ug/kg	
VBLK104		04/20/2021	1.0	75-09-2	Methylene chloride	5.0	U	U	5.0	ug/kg	
VBLK104		04/20/2021	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5.0	ug/kg	
VBLK104		04/20/2021	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5.0	ug/kg	
VBLK104		04/20/2021	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5.0	ug/kg	
VBLK104		04/20/2021	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5.0	ug/kg	
VBLK104		04/20/2021	1.0	78-93-3	2-Butanone	10	U	U	10	ug/kg	
VBLK104		04/20/2021	1.0	74-97-5	Bromochloromethane	5.0	U	U	5.0	ug/kg	
VBLK104		04/20/2021	1.0	67-66-3	Chloroform	5.0	U	U	5.0	ug/kg	
VBLK104		04/20/2021	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5.0	ug/kg	
VBLK104		04/20/2021	1.0	110-82-7	Cyclohexane	5.0	U	U	5.0	ug/kg	
VBLK104		04/20/2021	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5.0	ug/kg	
VBLK104		04/20/2021	1.0	71-43-2	Benzene	5.0	U	U	5.0	ug/kg	
VBLK104		04/20/2021	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5.0	ug/kg	
VBLK104		04/20/2021	1.0	79-01-6	Trichloroethene	5.0	U	U	5.0	ug/kg	
VBLK104		04/20/2021	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5.0	ug/kg	
VBLK104		04/20/2021	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5.0	ug/kg	
VBLK104		04/20/2021	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5.0	ug/kg	
VBLK104		04/20/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5.0	ug/kg	
VBLK104		04/20/2021	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/kg	
VBLK104		04/20/2021	1.0	108-88-3	Toluene	0.66	J	J	5.0	ug/kg	
VBLK104		04/20/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5.0	ug/kg	
VBLK104		04/20/2021	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5.0	ug/kg	
VBLK104		04/20/2021	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5.0	ug/kg	
VBLK104		04/20/2021	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/kg	
VBLK104		04/20/2021	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5.0	ug/kg	
VBLK104		04/20/2021	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5.0	ug/kg	
VBLK104		04/20/2021	1.0	108-90-7	Chlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK104		04/20/2021	1.0	100-41-4	Ethylbenzene	5.0	U	U	5.0	ug/kg	

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
VBLK104		04/20/2021	1.0	95-47-6	o-Xylene	5.0	U	U	5.0	ug/kg	
VBLK104		04/20/2021	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5.0	ug/kg	
VBLK104		04/20/2021	1.0	100-42-5	Styrene	5.0	U	U	5.0	ug/kg	
VBLK104		04/20/2021	1.0	75-25-2	Bromoform	5.0	U	U	5.0	ug/kg	
VBLK104		04/20/2021	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5.0	ug/kg	
VBLK104		04/20/2021	1.0	96-18-4	1,2,3-Trichloropropane	5.0	U	U	5.0	ug/kg	
VBLK104		04/20/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5.0	ug/kg	
VBLK104		04/20/2021	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK104		04/20/2021	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK104		04/20/2021	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK104		04/20/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5.0	ug/kg	
VBLK104		04/20/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	5.0	U	U	5.0	ug/kg	
VBLK104		04/20/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	5.0	U	U	5.0	ug/kg	
VBLK104		04/20/2021	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK104		04/20/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK104		04/20/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	
VBLK105		04/21/2021	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5.0	ug/kg	
VBLK105		04/21/2021	1.0	74-87-3	Chloromethane	5.0	U	UJ	5.0	ug/kg	
VBLK105		04/21/2021	1.0	75-01-4	Vinyl chloride	5.0	U	U	5.0	ug/kg	
VBLK105		04/21/2021	1.0	74-83-9	Bromomethane	5.0	U	U	5.0	ug/kg	
VBLK105		04/21/2021	1.0	75-00-3	Chloroethane	5.0	U	U	5.0	ug/kg	
VBLK105		04/21/2021	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5.0	ug/kg	
VBLK105		04/21/2021	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5.0	ug/kg	
VBLK105		04/21/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5.0	ug/kg	
VBLK105		04/21/2021	1.0	67-64-1	Acetone	10	U	U	10	ug/kg	
VBLK105		04/21/2021	1.0	75-15-0	Carbon disulfide	5.0	U	U	5.0	ug/kg	
VBLK105		04/21/2021	1.0	79-20-9	Methyl Acetate	5.0	U	U	5.0	ug/kg	
VBLK105		04/21/2021	1.0	75-09-2	Methylene chloride	5.0	U	U	5.0	ug/kg	
VBLK105		04/21/2021	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5.0	ug/kg	
VBLK105		04/21/2021	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5.0	ug/kg	
VBLK105		04/21/2021	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5.0	ug/kg	
VBLK105		04/21/2021	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5.0	ug/kg	
VBLK105		04/21/2021	1.0	78-93-3	2-Butanone	10	U	U	10	ug/kg	
VBLK105		04/21/2021	1.0	74-97-5	Bromochloromethane	5.0	U	U	5.0	ug/kg	
VBLK105		04/21/2021	1.0	67-66-3	Chloroform	5.0	U	U	5.0	ug/kg	
VBLK105		04/21/2021	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5.0	ug/kg	
VBLK105		04/21/2021	1.0	110-82-7	Cyclohexane	5.0	U	U	5.0	ug/kg	
VBLK105		04/21/2021	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5.0	ug/kg	
VBLK105		04/21/2021	1.0	71-43-2	Benzene	5.0	U	U	5.0	ug/kg	
VBLK105		04/21/2021	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5.0	ug/kg	
VBLK105		04/21/2021	1.0	79-01-6	Trichloroethene	5.0	U	U	5.0	ug/kg	
VBLK105		04/21/2021	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5.0	ug/kg	
VBLK105		04/21/2021	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5.0	ug/kg	
VBLK105		04/21/2021	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5.0	ug/kg	
VBLK105		04/21/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5.0	ug/kg	
VBLK105		04/21/2021	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/kg	
VBLK105		04/21/2021	1.0	108-88-3	Toluene	0.64	J	J	5.0	ug/kg	
VBLK105		04/21/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5.0	ug/kg	
VBLK105		04/21/2021	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5.0	ug/kg	
VBLK105		04/21/2021	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5.0	ug/kg	
VBLK105		04/21/2021	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/kg	
VBLK105		04/21/2021	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5.0	ug/kg	
VBLK105		04/21/2021	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5.0	ug/kg	
VBLK105		04/21/2021	1.0	108-90-7	Chlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK105		04/21/2021	1.0	100-41-4	Ethylbenzene	5.0	U	U	5.0	ug/kg	
VBLK105		04/21/2021	1.0	95-47-6	o-Xylene	5.0	U	U	5.0	ug/kg	
VBLK105		04/21/2021	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5.0	ug/kg	
VBLK105		04/21/2021	1.0	100-42-5	Styrene	5.0	U	U	5.0	ug/kg	
VBLK105		04/21/2021	1.0	75-25-2	Bromoform	5.0	U	U	5.0	ug/kg	
VBLK105		04/21/2021	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5.0	ug/kg	
VBLK105		04/21/2021	1.0	96-18-4	1,2,3-Trichloropropane	5.0	U	U	5.0	ug/kg	
VBLK105		04/21/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5.0	ug/kg	
VBLK105		04/21/2021	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK105		04/21/2021	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK105		04/21/2021	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK105		04/21/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5.0	ug/kg	
VBLK105		04/21/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	5.0	U	U	5.0	ug/kg	
VBLK105		04/21/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	5.0	U	U	5.0	ug/kg	
VBLK105		04/21/2021	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK105		04/21/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK105		04/21/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
VBLK109		04/27/2021	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	74-87-3	Chloromethane	5.0	U	UJ	5.0	ug/kg	
VBLK109		04/27/2021	1.0	75-01-4	Vinyl chloride	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	74-83-9	Bromomethane	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	75-00-3	Chloroethane	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	67-64-1	Acetone	10	U	U	10	ug/kg	
VBLK109		04/27/2021	1.0	75-15-0	Carbon disulfide	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	79-20-9	Methyl Acetate	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	75-09-2	Methylene chloride	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	78-93-3	2-Butanone	10	U	U	10	ug/kg	
VBLK109		04/27/2021	1.0	74-97-5	Bromochloromethane	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	67-66-3	Chloroform	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	110-82-7	Cyclohexane	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	71-43-2	Benzene	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	79-01-6	Trichloroethene	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/kg	
VBLK109		04/27/2021	1.0	108-88-3	Toluene	0.62	J	J	5.0	ug/kg	
VBLK109		04/27/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/kg	
VBLK109		04/27/2021	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	108-90-7	Chlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	100-41-4	Ethylbenzene	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	95-47-6	o-Xylene	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	100-42-5	Styrene	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	75-25-2	Bromoform	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	96-18-4	1,2,3-Trichloropropane	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	000115-10-6	Dimethyl ether	2.6	JN	JN		ug/kg	
VBLK109		04/27/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	
VBLK168		04/22/2021	1.0	75-71-8	Dichlorodifluoromethane	250	U	U	250	ug/kg	
VBLK168		04/22/2021	1.0	74-87-3	Chloromethane	250	U	U	250	ug/kg	
VBLK168		04/22/2021	1.0	75-01-4	Vinyl chloride	250	U	U	250	ug/kg	
VBLK168		04/22/2021	1.0	74-83-9	Bromomethane	250	U	U	250	ug/kg	
VBLK168		04/22/2021	1.0	75-00-3	Chloroethane	250	U	U	250	ug/kg	
VBLK168		04/22/2021	1.0	75-69-4	Trichlorofluoromethane	250	U	U	250	ug/kg	
VBLK168		04/22/2021	1.0	75-35-4	1,1-Dichloroethene	250	U	U	250	ug/kg	
VBLK168		04/22/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	250	U	U	250	ug/kg	
VBLK168		04/22/2021	1.0	67-64-1	Acetone	500	U	U	500	ug/kg	
VBLK168		04/22/2021	1.0	75-15-0	Carbon disulfide	250	U	U	250	ug/kg	
VBLK168		04/22/2021	1.0	79-20-9	Methyl Acetate	250	U	U	250	ug/kg	
VBLK168		04/22/2021	1.0	75-09-2	Methylene chloride	250	U	U	250	ug/kg	
VBLK168		04/22/2021	1.0	156-60-5	trans-1,2-Dichloroethene	250	U	U	250	ug/kg	
VBLK168		04/22/2021	1.0	1634-04-4	Methyl tert-butyl Ether	250	U	U	250	ug/kg	
VBLK168		04/22/2021	1.0	75-34-3	1,1-Dichloroethane	250	U	U	250	ug/kg	

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
VBLK168		04/22/2021	1.0	156-59-2	cis-1,2-Dichloroethene	250	U	U	250	ug/kg	
VBLK168		04/22/2021	1.0	78-93-3	2-Butanone	500	U	U	500	ug/kg	
VBLK168		04/22/2021	1.0	74-97-5	Bromochloromethane	250	U	U	250	ug/kg	
VBLK168		04/22/2021	1.0	67-66-3	Chloroform	250	U	U	250	ug/kg	
VBLK168		04/22/2021	1.0	71-55-6	1,1,1-Trichloroethane	250	U	U	250	ug/kg	
VBLK168		04/22/2021	1.0	110-82-7	Cyclohexane	250	U	U	250	ug/kg	
VBLK168		04/22/2021	1.0	56-23-5	Carbon tetrachloride	250	U	U	250	ug/kg	
VBLK168		04/22/2021	1.0	71-43-2	Benzene	250	U	U	250	ug/kg	
VBLK168		04/22/2021	1.0	107-06-2	1,2-Dichloroethane	250	U	U	250	ug/kg	
VBLK168		04/22/2021	1.0	79-01-6	Trichloroethene	250	U	U	250	ug/kg	
VBLK168		04/22/2021	1.0	108-87-2	Methylcyclohexane	250	U	U	250	ug/kg	
VBLK168		04/22/2021	1.0	78-87-5	1,2-Dichloropropane	250	U	U	250	ug/kg	
VBLK168		04/22/2021	1.0	75-27-4	Bromodichloromethane	250	U	U	250	ug/kg	
VBLK168		04/22/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	250	U	U	250	ug/kg	
VBLK168		04/22/2021	1.0	108-10-1	4-Methyl-2-pentanone	500	U	U	500	ug/kg	
VBLK168		04/22/2021	1.0	108-88-3	Toluene	250	U	U	250	ug/kg	
VBLK168		04/22/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	250	U	U	250	ug/kg	
VBLK168		04/22/2021	1.0	79-00-5	1,1,2-Trichloroethane	250	U	U	250	ug/kg	
VBLK168		04/22/2021	1.0	127-18-4	Tetrachloroethene	250	U	U	250	ug/kg	
VBLK168		04/22/2021	1.0	591-78-6	2-Hexanone	500	U	U	500	ug/kg	
VBLK168		04/22/2021	1.0	124-48-1	Dibromochloromethane	250	U	U	250	ug/kg	
VBLK168		04/22/2021	1.0	106-93-4	1,2-Dibromoethane	250	U	U	250	ug/kg	
VBLK168		04/22/2021	1.0	108-90-7	Chlorobenzene	250	U	U	250	ug/kg	
VBLK168		04/22/2021	1.0	100-41-4	Ethylbenzene	250	U	U	250	ug/kg	
VBLK168		04/22/2021	1.0	95-47-6	o-Xylene	250	U	U	250	ug/kg	
VBLK168		04/22/2021	1.0	179601-23-1	m,p-Xylene	250	U	U	250	ug/kg	
VBLK168		04/22/2021	1.0	100-42-5	Styrene	250	U	U	250	ug/kg	
VBLK168		04/22/2021	1.0	75-25-2	Bromoform	250	U	U	250	ug/kg	
VBLK168		04/22/2021	1.0	98-82-8	Isopropylbenzene	250	U	U	250	ug/kg	
VBLK168		04/22/2021	1.0	96-18-4	1,2,3-Trichloropropane	250	U	U	250	ug/kg	
VBLK168		04/22/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	250	U	U	250	ug/kg	
VBLK168		04/22/2021	1.0	541-73-1	1,3-Dichlorobenzene	250	U	U	250	ug/kg	
VBLK168		04/22/2021	1.0	106-46-7	1,4-Dichlorobenzene	250	U	U	250	ug/kg	
VBLK168		04/22/2021	1.0	95-50-1	1,2-Dichlorobenzene	250	U	U	250	ug/kg	
VBLK168		04/22/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	250	U	U	250	ug/kg	
VBLK168		04/22/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	250	U	U	250	ug/kg	
VBLK168		04/22/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	250	U	U	250	ug/kg	
VBLK168		04/22/2021	1.0	120-82-1	1,2,4-trichlorobenzene	250	U	U	250	ug/kg	
VBLK168		04/22/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	250	U	U	250	ug/kg	
VBLK168		04/22/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	
VHBLK001		04/27/2021	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5.0	ug/kg	
VHBLK001		04/27/2021	1.0	74-87-3	Chloromethane	5.0	U	UJ	5.0	ug/kg	
VHBLK001		04/27/2021	1.0	75-01-4	Vinyl chloride	5.0	U	U	5.0	ug/kg	
VHBLK001		04/27/2021	1.0	74-83-9	Bromomethane	5.0	U	U	5.0	ug/kg	
VHBLK001		04/27/2021	1.0	75-00-3	Chloroethane	5.0	U	U	5.0	ug/kg	
VHBLK001		04/27/2021	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5.0	ug/kg	
VHBLK001		04/27/2021	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5.0	ug/kg	
VHBLK001		04/27/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5.0	ug/kg	
VHBLK001		04/27/2021	1.0	67-64-1	Acetone	10	U	U	10	ug/kg	
VHBLK001		04/27/2021	1.0	75-15-0	Carbon disulfide	5.0	U	U	5.0	ug/kg	
VHBLK001		04/27/2021	1.0	79-20-9	Methyl Acetate	5.0	U	U	5.0	ug/kg	
VHBLK001		04/27/2021	1.0	75-09-2	Methylene chloride	5.0	U	U	5.0	ug/kg	
VHBLK001		04/27/2021	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5.0	ug/kg	
VHBLK001		04/27/2021	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5.0	ug/kg	
VHBLK001		04/27/2021	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5.0	ug/kg	
VHBLK001		04/27/2021	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5.0	ug/kg	
VHBLK001		04/27/2021	1.0	78-93-3	2-Butanone	10	U	U	10	ug/kg	
VHBLK001		04/27/2021	1.0	74-97-5	Bromochloromethane	5.0	U	U	5.0	ug/kg	
VHBLK001		04/27/2021	1.0	67-66-3	Chloroform	5.0	U	U	5.0	ug/kg	
VHBLK001		04/27/2021	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5.0	ug/kg	
VHBLK001		04/27/2021	1.0	110-82-7	Cyclohexane	5.0	U	U	5.0	ug/kg	
VHBLK001		04/27/2021	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5.0	ug/kg	
VHBLK001		04/27/2021	1.0	71-43-2	Benzene	5.0	U	U	5.0	ug/kg	
VHBLK001		04/27/2021	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5.0	ug/kg	
VHBLK001		04/27/2021	1.0	79-01-6	Trichloroethene	5.0	U	U	5.0	ug/kg	
VHBLK001		04/27/2021	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5.0	ug/kg	
VHBLK001		04/27/2021	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5.0	ug/kg	
VHBLK001		04/27/2021	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5.0	ug/kg	
VHBLK001		04/27/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5.0	ug/kg	
VHBLK001		04/27/2021	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/kg	
VHBLK001		04/27/2021	1.0	108-88-3	Toluene	0.64	JB	J	5.0	ug/kg	

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
VHBLK001		04/27/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5.0	ug/kg	
VHBLK001		04/27/2021	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5.0	ug/kg	
VHBLK001		04/27/2021	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5.0	ug/kg	
VHBLK001		04/27/2021	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/kg	
VHBLK001		04/27/2021	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5.0	ug/kg	
VHBLK001		04/27/2021	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5.0	ug/kg	
VHBLK001		04/27/2021	1.0	108-90-7	Chlorobenzene	5.0	U	U	5.0	ug/kg	
VHBLK001		04/27/2021	1.0	100-41-4	Ethylbenzene	5.0	U	U	5.0	ug/kg	
VHBLK001		04/27/2021	1.0	95-47-6	o-Xylene	5.0	U	U	5.0	ug/kg	
VHBLK001		04/27/2021	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5.0	ug/kg	
VHBLK001		04/27/2021	1.0	100-42-5	Styrene	5.0	U	U	5.0	ug/kg	
VHBLK001		04/27/2021	1.0	75-25-2	Bromoform	5.0	U	U	5.0	ug/kg	
VHBLK001		04/27/2021	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5.0	ug/kg	
VHBLK001		04/27/2021	1.0	96-18-4	1,2,3-Trichloropropane	5.0	U	U	5.0	ug/kg	
VHBLK001		04/27/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5.0	ug/kg	
VHBLK001		04/27/2021	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VHBLK001		04/27/2021	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VHBLK001		04/27/2021	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VHBLK001		04/27/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5.0	ug/kg	
VHBLK001		04/27/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	5.0	U	U	5.0	ug/kg	
VHBLK001		04/27/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	5.0	U	U	5.0	ug/kg	
VHBLK001		04/27/2021	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5.0	ug/kg	
VHBLK001		04/27/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5.0	ug/kg	
VHBLK001		04/27/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	
VHBLK001		04/27/2021	1.0	000115-10-6	Dimethyl ether	4.0	JBN	JBN		ug/kg	
BG4Z8	Sediment	04/15/2021	1.0	123-91-1	1,4-Dioxane	160	U	UJ	160	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	100-52-7	Benzaldehyde	770	U	U	770	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	108-95-2	Phenol	770	U	U	770	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	770	U	U	770	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	95-57-8	2-Chlorophenol	390	U	U	390	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	95-48-7	2-Methylphenol	770	U	U	770	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	770	U	U	770	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	98-86-2	Acetophenone	770	U	U	770	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	106-44-5	4-Methylphenol	770	U	U	770	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	390	U	U	390	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	67-72-1	Hexachloroethane	390	U	U	390	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	98-95-3	Nitrobenzene	390	U	U	390	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	78-59-1	Isophorone	390	U	U	390	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	88-75-5	2-Nitrophenol	390	U	U	390	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	105-67-9	2,4-Dimethylphenol	390	U	U	390	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	390	U	U	390	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	120-83-2	2,4-Dichlorophenol	390	U	U	390	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	91-20-3	Naphthalene	390	U	U	390	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	106-47-8	4-Chloroaniline	770	U	U	770	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	87-68-3	Hexachlorobutadiene	390	U	U	390	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	105-60-2	Caprolactam	770	U	U	770	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	59-50-7	4-Chloro-3-methylphenol	390	U	U	390	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	90-12-0	1-Methylnaphthalene	390	U	U	390	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	91-57-6	2-Methylnaphthalene	390	U	U	390	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	77-47-4	Hexachlorocyclopentadiene	770	U	U	770	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	88-06-2	2,4,6-Trichlorophenol	390	U	U	390	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	95-95-4	2,4,5-Trichlorophenol	390	U	U	390	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	92-52-4	1,1-Biphenyl	390	U	U	390	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	91-58-7	2-Chloronaphthalene	390	U	U	390	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	88-74-4	2-Nitroaniline	390	U	UJ	390	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	131-11-3	Dimethylphthalate	390	U	U	390	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	606-20-2	2,6-Dinitrotoluene	390	U	U	390	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	208-96-8	Acenaphthylene	390	U	U	390	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	99-09-2	3-Nitroaniline	770	U	UJ	770	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	83-32-9	Acenaphthene	390	U	U	390	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	51-28-5	2,4-Dinitrophenol	770	U	UJ	770	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	100-02-7	4-Nitrophenol	770	U	UJ	770	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	132-64-9	Dibenzofuran	390	U	U	390	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	121-14-2	2,4-Dinitrotoluene	390	U	U	390	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	84-66-2	Diethylphthalate	390	U	U	390	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	86-73-7	Fluorene	390	U	U	390	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	390	U	U	390	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	100-01-6	4-Nitroaniline	770	U	UJ	770	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	770	U	UJ	770	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	86-30-6	N-Nitrosodiphenylamine	390	U	U	390	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	390	U	U	390	ug/kg	6100-SED21A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG4Z8	Sediment	04/15/2021	1.0	101-55-3	4-Bromophenyl-phenylether	390	U	U	390	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	118-74-1	Hexachlorobenzene	390	U	U	390	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	1912-24-9	Atrazine	770	U	U	770	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	87-86-5	Pentachlorophenol	770	U	U	770	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	85-01-8	Phenanthrene	150	J	J	390	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	120-12-7	Anthracene	390	U	U	390	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	86-74-8	Carbazole	770	U	U	770	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	84-74-2	Di-n-butylphthalate	390	U	U	390	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	206-44-0	Fluoranthene	590			390	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	129-00-0	Pyrene	440			390	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	85-68-7	Butylbenzylphthalate	390	U	U	390	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	91-94-1	3,3-Dichlorobenzidine	770	U	U	770	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	56-55-3	Benzo(a)anthracene	150	J	J	390	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	218-01-9	Chrysene	250	J	J	390	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	390	U	U	390	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	117-84-0	Di-n-octyl phthalate	770	U	U	770	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	205-99-2	Benzo(b)fluoranthene	240	J	J	390	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	207-08-9	Benzo(k)fluoranthene	390	U	U	390	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	50-32-8	Benzo(a)pyrene	120	J	J	390	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	390	U	U	390	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	390	U	U	390	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	191-24-2	Benzo(g,h,i)perylene	390	U	U	390	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	390	U	U	390	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	E966796	Total Alkanes	180	N	N		ug/kg	6100-SED21A
BG558	Sediment	04/19/2021	1.0	123-91-1	1,4-Dioxane	81	U	UJ	81	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	100-52-7	Benzaldehyde	400	U	U	400	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	108-95-2	Phenol	56	J	J	400	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	400	U	U	400	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	95-57-8	2-Chlorophenol	210	U	U	210	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	95-48-7	2-Methylphenol	400	U	U	400	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	400	U	U	400	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	98-86-2	Acetophenone	400	U	U	400	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	106-44-5	4-Methylphenol	400	U	U	400	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	210	U	U	210	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	67-72-1	Hexachloroethane	210	U	U	210	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	98-95-3	Nitrobenzene	210	U	U	210	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	78-59-1	Isophorone	210	U	U	210	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	88-75-5	2-Nitrophenol	210	U	U	210	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	105-67-9	2,4-Dimethylphenol	210	U	U	210	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	210	U	U	210	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	120-83-2	2,4-Dichlorophenol	210	U	U	210	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	91-20-3	Naphthalene	210	U	U	210	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	106-47-8	4-Chloroaniline	400	U	U	400	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	87-68-3	Hexachlorobutadiene	210	U	U	210	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	105-60-2	Caprolactam	400	U	U	400	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	59-50-7	4-Chloro-3-methylphenol	210	U	U	210	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	90-12-0	1-Methylnaphthalene	210	U	U	210	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	91-57-6	2-Methylnaphthalene	210	U	U	210	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	77-47-4	Hexachlorocyclopentadiene	400	U	U	400	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	88-06-2	2,4,6-Trichlorophenol	210	U	U	210	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	95-95-4	2,4,5-Trichlorophenol	210	U	U	210	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	92-52-4	1,1-Biphenyl	210	U	U	210	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	91-58-7	2-Chloronaphthalene	210	U	U	210	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	88-74-4	2-Nitroaniline	210	U	U	210	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	131-11-3	Dimethylphthalate	44	J	J	210	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	606-20-2	2,6-Dinitrotoluene	210	U	U	210	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	208-96-8	Acenaphthylene	210	U	U	210	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	99-09-2	3-Nitroaniline	400	U	U	400	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	83-32-9	Acenaphthene	210	U	U	210	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	51-28-5	2,4-Dinitrophenol	400	U	U	400	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	100-02-7	4-Nitrophenol	400	U	U	400	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	132-64-9	Dibenzofuran	210	U	U	210	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	121-14-2	2,4-Dinitrotoluene	210	U	U	210	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	84-66-2	Diethylphthalate	210	U	U	210	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	86-73-7	Fluorene	210	U	U	210	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	210	U	U	210	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	100-01-6	4-Nitroaniline	400	U	U	400	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	400	U	U	400	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	86-30-6	N-Nitrosodiphenylamine	210	U	U	210	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	210	U	U	210	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	101-55-3	4-Bromophenyl-phenylether	210	U	U	210	ug/kg	6100-SED01A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG558	Sediment	04/19/2021	1.0	118-74-1	Hexachlorobenzene	210	U	U	210	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	1912-24-9	Atrazine	400	U	U	400	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	87-86-5	Pentachlorophenol	400	U	U	400	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	85-01-8	Phenanthrene	210	U	U	210	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	120-12-7	Anthracene	210	U	U	210	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	86-74-8	Carbazole	400	U	U	400	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	84-74-2	Di-n-butylphthalate	210	U	U	210	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	206-44-0	Fluoranthene	210	U	U	210	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	129-00-0	Pyrene	210	U	U	210	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	85-68-7	Butylbenzylphthalate	210	U	U	210	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	91-94-1	3,3-Dichlorobenzidine	400	U	U	400	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	56-55-3	Benzo(a)anthracene	210	U	U	210	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	218-01-9	Chrysene	210	U	U	210	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	210	U	U	210	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	117-84-0	Di-n-octyl phthalate	400	U	U	400	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	205-99-2	Benzo(b)fluoranthene	210	U	U	210	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	207-08-9	Benzo(k)fluoranthene	210	U	U	210	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	50-32-8	Benzo(a)pyrene	210	U	U	210	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	210	U	U	210	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	210	U	U	210	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	191-24-2	Benzo(g,h,i)perylene	210	U	U	210	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	210	U	U	210	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	E966796	Total Alkanes	200	N	N		ug/kg	6100-SED01A
BG559	Sediment	04/19/2021	1.0	123-91-1	1,4-Dioxane	82	U	UJ	82	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	100-52-7	Benzaldehyde	72	J	J	400	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	108-95-2	Phenol	83	J	J	400	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	400	U	U	400	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	95-57-8	2-Chlorophenol	210	U	U	210	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	95-48-7	2-Methylphenol	400	U	U	400	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	400	U	U	400	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	98-86-2	Acetophenone	150	J	J	400	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	106-44-5	4-Methylphenol	400	U	U	400	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	210	U	U	210	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	67-72-1	Hexachloroethane	210	U	U	210	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	98-95-3	Nitrobenzene	210	U	U	210	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	78-59-1	Isophorone	210	U	U	210	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	88-75-5	2-Nitrophenol	210	U	U	210	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	105-67-9	2,4-Dimethylphenol	210	U	U	210	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	210	U	U	210	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	120-83-2	2,4-Dichlorophenol	210	U	U	210	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	91-20-3	Naphthalene	210	U	U	210	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	106-47-8	4-Chloroaniline	400	U	U	400	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	87-68-3	Hexachlorobutadiene	210	U	U	210	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	105-60-2	Caprolactam	400	U	U	400	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	59-50-7	4-Chloro-3-methylphenol	210	U	U	210	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	90-12-0	1-Methylnaphthalene	210	U	U	210	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	91-57-6	2-Methylnaphthalene	210	U	U	210	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	77-47-4	Hexachlorocyclopentadiene	400	U	U	400	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	88-06-2	2,4,6-Trichlorophenol	210	U	U	210	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	95-95-4	2,4,5-Trichlorophenol	210	U	U	210	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	92-52-4	1,1-Biphenyl	210	U	U	210	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	91-58-7	2-Chloronaphthalene	210	U	U	210	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	88-74-4	2-Nitroaniline	210	U	U	210	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	131-11-3	Dimethylphthalate	210	U	U	210	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	606-20-2	2,6-Dinitrotoluene	210	U	U	210	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	208-96-8	Acenaphthylene	210	U	U	210	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	99-09-2	3-Nitroaniline	400	U	U	400	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	83-32-9	Acenaphthene	210	U	U	210	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	51-28-5	2,4-Dinitrophenol	400	U	U	400	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	100-02-7	4-Nitrophenol	400	U	U	400	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	132-64-9	Dibenzofuran	210	U	U	210	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	121-14-2	2,4-Dinitrotoluene	210	U	U	210	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	84-66-2	Diethylphthalate	210	U	U	210	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	86-73-7	Fluorene	210	U	U	210	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	210	U	U	210	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	100-01-6	4-Nitroaniline	400	U	U	400	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	400	U	U	400	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	86-30-6	N-Nitrosodiphenylamine	210	U	U	210	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	210	U	U	210	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	101-55-3	4-Bromophenyl-phenylether	210	U	U	210	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	118-74-1	Hexachlorobenzene	210	U	U	210	ug/kg	6100-SED01B

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG559	Sediment	04/19/2021	1.0	1912-24-9	Atrazine	400	U	U	400	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	87-86-5	Pentachlorophenol	400	U	U	400	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	85-01-8	Phenanthrene	210	U	U	210	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	120-12-7	Anthracene	210	U	U	210	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	86-74-8	Carbazole	400	U	U	400	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	84-74-2	Di-n-butylphthalate	210	U	U	210	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	206-44-0	Fluoranthene	210	U	U	210	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	129-00-0	Pyrene	210	U	U	210	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	85-68-7	Butylbenzylphthalate	210	U	U	210	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	91-94-1	3,3-Dichlorobenzidine	400	U	U	400	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	56-55-3	Benzo(a)anthracene	210	U	U	210	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	218-01-9	Chrysene	210	U	U	210	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	210	U	U	210	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	117-84-0	Di-n-octyl phthalate	400	U	U	400	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	205-99-2	Benzo(b)fluoranthene	210	U	U	210	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	207-08-9	Benzo(k)fluoranthene	210	U	U	210	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	50-32-8	Benzo(a)pyrene	210	U	U	210	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	210	U	U	210	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	210	U	U	210	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	191-24-2	Benzo(g,h,i)perylene	210	U	U	210	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	210	U	U	210	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	108287-18-9	1-Formyl-2,2,6-trimethyl-3-(3-meth	360	JN	JN		ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	6100-SED01B
BG560	Sediment	04/19/2021	1.0	123-91-1	1,4-Dioxane	83	U	UJ	83	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	100-52-7	Benzaldehyde	410	U	U	410	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	108-95-2	Phenol	43	J	J	410	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	410	U	U	410	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	95-57-8	2-Chlorophenol	210	U	U	210	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	95-48-7	2-Methylphenol	410	U	U	410	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	410	U	U	410	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	98-86-2	Acetophenone	410	U	U	410	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	106-44-5	4-Methylphenol	410	U	U	410	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	210	U	U	210	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	67-72-1	Hexachloroethane	210	U	U	210	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	98-95-3	Nitrobenzene	210	U	U	210	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	78-59-1	Isophorone	210	U	U	210	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	88-75-5	2-Nitrophenol	210	U	U	210	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	105-67-9	2,4-Dimethylphenol	210	U	U	210	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	210	U	U	210	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	120-83-2	2,4-Dichlorophenol	210	U	U	210	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	91-20-3	Naphthalene	210	U	U	210	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	106-47-8	4-Chloroaniline	410	U	U	410	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	87-68-3	Hexachlorobutadiene	210	U	U	210	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	105-60-2	Caprolactam	410	U	U	410	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	59-50-7	4-Chloro-3-methylphenol	210	U	U	210	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	90-12-0	1-Methylnaphthalene	210	U	U	210	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	91-57-6	2-Methylnaphthalene	210	U	U	210	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	77-47-4	Hexachlorocyclopentadiene	410	U	U	410	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	88-06-2	2,4,6-Trichlorophenol	210	U	U	210	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	95-95-4	2,4,5-Trichlorophenol	210	U	U	210	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	92-52-4	1,1-Biphenyl	210	U	U	210	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	91-58-7	2-Chloronaphthalene	210	U	U	210	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	88-74-4	2-Nitroaniline	210	U	U	210	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	131-11-3	Dimethylphthalate	52	J	J	210	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	606-20-2	2,6-Dinitrotoluene	210	U	U	210	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	208-96-8	Acenaphthylene	210	U	U	210	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	99-09-2	3-Nitroaniline	410	U	U	410	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	83-32-9	Acenaphthene	210	U	U	210	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	51-28-5	2,4-Dinitrophenol	410	U	U	410	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	100-02-7	4-Nitrophenol	410	U	U	410	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	132-64-9	Dibenzofuran	210	U	U	210	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	121-14-2	2,4-Dinitrotoluene	210	U	U	210	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	84-66-2	Diethylphthalate	210	U	U	210	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	86-73-7	Fluorene	210	U	U	210	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	210	U	U	210	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	100-01-6	4-Nitroaniline	410	U	U	410	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	410	U	U	410	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	86-30-6	N-Nitrosodiphenylamine	210	U	U	210	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	210	U	U	210	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	101-55-3	4-Bromophenyl-phenylether	210	U	U	210	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	118-74-1	Hexachlorobenzene	210	U	U	210	ug/kg	6100-SED01C

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG560	Sediment	04/19/2021	1.0	1912-24-9	Atrazine	410	U	U	410	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	87-86-5	Pentachlorophenol	410	U	U	410	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	85-01-8	Phenanthrene	210	U	U	210	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	120-12-7	Anthracene	210	U	U	210	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	86-74-8	Carbazole	410	U	U	410	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	84-74-2	Di-n-butylphthalate	210	U	U	210	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	206-44-0	Fluoranthene	210	U	U	210	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	129-00-0	Pyrene	210	U	U	210	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	85-68-7	Butylbenzylphthalate	210	U	U	210	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	91-94-1	3,3-Dichlorobenzidine	410	U	U	410	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	56-55-3	Benzo(a)anthracene	210	U	U	210	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	218-01-9	Chrysene	210	U	U	210	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	210	U	U	210	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	117-84-0	Di-n-octyl phthalate	410	U	U	410	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	205-99-2	Benzo(b)fluoranthene	210	U	U	210	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	207-08-9	Benzo(k)fluoranthene	210	U	U	210	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	50-32-8	Benzo(a)pyrene	210	U	U	210	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	210	U	U	210	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	210	U	U	210	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	191-24-2	Benzo(g,h,i)perylene	210	U	U	210	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	210	U	U	210	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	E966796	Total Alkanes	210	N	N		ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	000057-10-3	n-Hexadecanoic acid	110	JN	JN		ug/kg	6100-SED01C
BG561	Sediment	04/19/2021	1.0	123-91-1	1,4-Dioxane	130	U	UJ	130	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	100-52-7	Benzaldehyde	650	U	U	650	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	108-95-2	Phenol	650	U	U	650	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	650	U	U	650	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	95-57-8	2-Chlorophenol	330	U	U	330	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	95-48-7	2-Methylphenol	650	U	U	650	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	650	U	U	650	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	98-86-2	Acetophenone	650	U	U	650	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	106-44-5	4-Methylphenol	650	U	U	650	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	330	U	U	330	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	67-72-1	Hexachloroethane	330	U	U	330	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	98-95-3	Nitrobenzene	330	U	U	330	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	78-59-1	Isophorone	330	U	U	330	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	88-75-5	2-Nitrophenol	330	U	U	330	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	105-67-9	2,4-Dimethylphenol	330	U	U	330	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	330	U	U	330	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	120-83-2	2,4-Dichlorophenol	330	U	U	330	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	91-20-3	Naphthalene	330	U	U	330	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	106-47-8	4-Chloroaniline	650	U	U	650	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	87-68-3	Hexachlorobutadiene	330	U	U	330	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	105-60-2	Caprolactam	650	U	U	650	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	59-50-7	4-Chloro-3-methylphenol	330	U	U	330	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	90-12-0	1-Methylnaphthalene	330	U	U	330	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	91-57-6	2-Methylnaphthalene	330	U	U	330	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	77-47-4	Hexachlorocyclopentadiene	650	U	U	650	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	88-06-2	2,4,6-Trichlorophenol	330	U	U	330	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	95-95-4	2,4,5-Trichlorophenol	330	U	U	330	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	92-52-4	1,1-Biphenyl	330	U	U	330	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	91-58-7	2-Chloronaphthalene	330	U	U	330	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	88-74-4	2-Nitroaniline	330	U	UJ	330	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	131-11-3	Dimethylphthalate	330	U	U	330	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	606-20-2	2,6-Dinitrotoluene	330	U	U	330	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	208-96-8	Acenaphthylene	100	J	J	330	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	99-09-2	3-Nitroaniline	650	U	UJ	650	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	83-32-9	Acenaphthene	330	U	U	330	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	51-28-5	2,4-Dinitrophenol	650	U	UJ	650	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	100-02-7	4-Nitrophenol	650	U	UJ	650	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	132-64-9	Dibenzofuran	330	U	U	330	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	121-14-2	2,4-Dinitrotoluene	330	U	U	330	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	84-66-2	Diethylphthalate	330	U	U	330	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	86-73-7	Fluorene	330	U	U	330	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	330	U	U	330	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	100-01-6	4-Nitroaniline	650	U	UJ	650	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	650	U	UJ	650	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	86-30-6	N-Nitrosodiphenylamine	330	U	U	330	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	330	U	U	330	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	101-55-3	4-Bromophenyl-phenylether	330	U	U	330	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	118-74-1	Hexachlorobenzene	330	U	U	330	ug/kg	6100-SED02A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG561	Sediment	04/19/2021	1.0	1912-24-9	Atrazine	650	U	U	650	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	87-86-5	Pentachlorophenol	650	U	U	650	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	85-01-8	Phenanthrene	330	U	U	330	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	120-12-7	Anthracene	330	U	U	330	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	86-74-8	Carbazole	650	U	U	650	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	84-74-2	Di-n-butylphthalate	330	U	U	330	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	206-44-0	Fluoranthene	150	J	J	330	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	129-00-0	Pyrene	160	J	J	330	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	85-68-7	Butylbenzylphthalate	330	U	U	330	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	91-94-1	3,3-Dichlorobenzidine	650	U	U	650	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	56-55-3	Benzo(a)anthracene	240	J	J	330	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	218-01-9	Chrysene	220	J	J	330	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	330	U	U	330	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	117-84-0	Di-n-octyl phthalate	650	U	U	650	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	205-99-2	Benzo(b)fluoranthene	260	J	J	330	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	207-08-9	Benzo(k)fluoranthene	120	J	J	330	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	50-32-8	Benzo(a)pyrene	240	J	J	330	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	100	J	J	330	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	330	U	U	330	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	191-24-2	Benzo(g,h,i)perylene	90	J	J	330	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	330	U	U	330	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	005989-27-5	D-Limonene	150	JN	JN		ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	6100-SED02A
BG562	Sediment	04/19/2021	1.0	123-91-1	1,4-Dioxane	130	U	UJ	130	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	100-52-7	Benzaldehyde	620	U	U	620	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	108-95-2	Phenol	620	U	U	620	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	620	U	U	620	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	95-57-8	2-Chlorophenol	320	U	U	320	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	95-48-7	2-Methylphenol	620	U	U	620	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	620	U	U	620	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	98-86-2	Acetophenone	620	U	U	620	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	106-44-5	4-Methylphenol	620	U	U	620	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	320	U	U	320	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	67-72-1	Hexachloroethane	320	U	U	320	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	98-95-3	Nitrobenzene	320	U	U	320	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	78-59-1	Isophorone	320	U	U	320	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	88-75-5	2-Nitrophenol	320	U	U	320	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	105-67-9	2,4-Dimethylphenol	320	U	U	320	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	320	U	U	320	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	120-83-2	2,4-Dichlorophenol	320	U	U	320	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	91-20-3	Naphthalene	320	U	U	320	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	106-47-8	4-Chloroaniline	620	U	U	620	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	87-68-3	Hexachlorobutadiene	320	U	U	320	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	105-60-2	Caprolactam	620	U	U	620	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	59-50-7	4-Chloro-3-methylphenol	320	U	U	320	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	90-12-0	1-Methylnaphthalene	320	U	U	320	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	91-57-6	2-Methylnaphthalene	320	U	U	320	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	77-47-4	Hexachlorocyclopentadiene	620	U	U	620	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	88-06-2	2,4,6-Trichlorophenol	320	U	U	320	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	95-95-4	2,4,5-Trichlorophenol	320	U	U	320	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	92-52-4	1,1-Biphenyl	320	U	U	320	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	91-58-7	2-Chloronaphthalene	320	U	U	320	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	88-74-4	2-Nitroaniline	320	U	U	320	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	131-11-3	Dimethylphthalate	74	J	J	320	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	606-20-2	2,6-Dinitrotoluene	320	U	U	320	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	208-96-8	Acenaphthylene	320	U	U	320	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	99-09-2	3-Nitroaniline	620	U	U	620	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	83-32-9	Acenaphthene	320	U	U	320	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	51-28-5	2,4-Dinitrophenol	620	U	U	620	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	100-02-7	4-Nitrophenol	620	U	U	620	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	132-64-9	Dibenzofuran	320	U	U	320	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	121-14-2	2,4-Dinitrotoluene	320	U	U	320	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	84-66-2	Diethylphthalate	320	U	U	320	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	86-73-7	Fluorene	320	U	U	320	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	320	U	U	320	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	100-01-6	4-Nitroaniline	620	U	U	620	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	620	U	UJ	620	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	86-30-6	N-Nitrosodiphenylamine	320	U	U	320	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	320	U	U	320	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	101-55-3	4-Bromophenyl-phenylether	320	U	U	320	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	118-74-1	Hexachlorobenzene	320	U	U	320	ug/kg	6100-SED02B

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG562	Sediment	04/19/2021	1.0	1912-24-9	Atrazine	620	U	U	620	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	87-86-5	Pentachlorophenol	620	U	U	620	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	85-01-8	Phenanthrene	320	U	U	320	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	120-12-7	Anthracene	320	U	U	320	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	86-74-8	Carbazole	620	U	U	620	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	84-74-2	Di-n-butylphthalate	320	U	U	320	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	206-44-0	Fluoranthene	320	U	U	320	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	129-00-0	Pyrene	320	U	U	320	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	85-68-7	Butylbenzylphthalate	320	U	U	320	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	91-94-1	3,3-Dichlorobenzidine	620	U	U	620	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	56-55-3	Benzo(a)anthracene	320	U	U	320	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	218-01-9	Chrysene	320	U	U	320	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	98	J	J	320	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	117-84-0	Di-n-octyl phthalate	620	U	U	620	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	205-99-2	Benzo(b)fluoranthene	320	U	U	320	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	207-08-9	Benzo(k)fluoranthene	320	U	U	320	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	50-32-8	Benzo(a)pyrene	320	U	U	320	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	320	U	U	320	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	320	U	U	320	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	191-24-2	Benzo(g,h,i)perylene	320	U	U	320	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	320	U	U	320	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	E966796	Total Alkanes	130	N	N		ug/kg	6100-SED02B
BG563	Sediment	04/19/2021	1.0	123-91-1	1,4-Dioxane	93	U	UJ	93	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	100-52-7	Benzaldehyde	460	U	U	460	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	108-95-2	Phenol	63	J	J	460	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	460	U	U	460	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	95-57-8	2-Chlorophenol	240	U	U	240	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	95-48-7	2-Methylphenol	460	U	U	460	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	460	U	U	460	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	98-86-2	Acetophenone	460	U	U	460	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	106-44-5	4-Methylphenol	460	U	U	460	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	240	U	U	240	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	67-72-1	Hexachloroethane	240	U	U	240	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	98-95-3	Nitrobenzene	240	U	U	240	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	78-59-1	Isophorone	240	U	U	240	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	88-75-5	2-Nitrophenol	240	U	U	240	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	105-67-9	2,4-Dimethylphenol	240	U	U	240	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	240	U	U	240	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	120-83-2	2,4-Dichlorophenol	240	U	U	240	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	91-20-3	Naphthalene	240	U	U	240	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	106-47-8	4-Chloroaniline	460	U	U	460	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	87-68-3	Hexachlorobutadiene	240	U	U	240	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	105-60-2	Caprolactam	460	U	U	460	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	59-50-7	4-Chloro-3-methylphenol	240	U	U	240	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	90-12-0	1-Methylnaphthalene	240	U	U	240	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	91-57-6	2-Methylnaphthalene	240	U	U	240	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	77-47-4	Hexachlorocyclopentadiene	460	U	U	460	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	88-06-2	2,4,6-Trichlorophenol	240	U	U	240	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	95-95-4	2,4,5-Trichlorophenol	240	U	U	240	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	92-52-4	1,1-Biphenyl	240	U	U	240	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	91-58-7	2-Chloronaphthalene	240	U	U	240	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	88-74-4	2-Nitroaniline	240	U	U	240	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	131-11-3	Dimethylphthalate	250			240	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	606-20-2	2,6-Dinitrotoluene	240	U	U	240	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	208-96-8	Acenaphthylene	240	U	U	240	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	99-09-2	3-Nitroaniline	460	U	U	460	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	83-32-9	Acenaphthene	240	U	U	240	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	51-28-5	2,4-Dinitrophenol	460	U	U	460	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	100-02-7	4-Nitrophenol	460	U	U	460	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	132-64-9	Dibenzofuran	240	U	U	240	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	121-14-2	2,4-Dinitrotoluene	240	U	U	240	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	84-66-2	Diethylphthalate	240	U	U	240	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	86-73-7	Fluorene	240	U	U	240	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	240	U	U	240	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	100-01-6	4-Nitroaniline	460	U	U	460	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	460	U	U	460	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	86-30-6	N-Nitrosodiphenylamine	240	U	U	240	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	240	U	U	240	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	101-55-3	4-Bromophenyl-phenylether	240	U	U	240	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	118-74-1	Hexachlorobenzene	240	U	U	240	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	1912-24-9	Atrazine	460	U	U	460	ug/kg	6100-SED02C

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG563	Sediment	04/19/2021	1.0	87-86-5	Pentachlorophenol	460	U	U	460	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	85-01-8	Phenanthrene	240	U	U	240	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	120-12-7	Anthracene	240	U	U	240	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	86-74-8	Carbazole	460	U	U	460	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	84-74-2	Di-n-butylphthalate	240	U	U	240	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	206-44-0	Fluoranthene	71	J	J	240	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	129-00-0	Pyrene	90	J	J	240	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	85-68-7	Butylbenzylphthalate	240	U	U	240	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	91-94-1	3,3-Dichlorobenzidine	460	U	U	460	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	56-55-3	Benzo(a)anthracene	51	J	J	240	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	218-01-9	Chrysene	94	J	J	240	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	240	U	U	240	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	117-84-0	Di-n-octyl phthalate	460	U	U	460	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	205-99-2	Benzo(b)fluoranthene	88	J	J	240	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	207-08-9	Benzo(k)fluoranthene	240	U	U	240	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	50-32-8	Benzo(a)pyrene	62	J	J	240	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	240	U	U	240	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	240	U	U	240	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	191-24-2	Benzo(g,h,i)perylene	240	U	U	240	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	240	U	U	240	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	E966796	Total Alkanes	810	N	N		ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	1000309-12-7	Sulfurous acid, octadecyl 2-propyl	110	JN	JN		ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	013187-99-0	2-Bromo dodecane	340	JN	JN		ug/kg	6100-SED02C
BG564	Sediment	04/19/2021	1.0	123-91-1	1,4-Dioxane	130	U	UJ	130	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	100-52-7	Benzaldehyde	660	U	U	660	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	108-95-2	Phenol	660	U	U	660	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	660	U	U	660	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	95-57-8	2-Chlorophenol	340	U	U	340	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	95-48-7	2-Methylphenol	660	U	U	660	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	660	U	U	660	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	98-86-2	Acetophenone	660	U	U	660	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	106-44-5	4-Methylphenol	660	U	U	660	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	340	U	U	340	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	67-72-1	Hexachloroethane	340	U	U	340	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	98-95-3	Nitrobenzene	340	U	U	340	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	78-59-1	Isophorone	340	U	U	340	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	88-75-5	2-Nitrophenol	340	U	U	340	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	105-67-9	2,4-Dimethylphenol	340	U	U	340	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	340	U	U	340	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	120-83-2	2,4-Dichlorophenol	340	U	U	340	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	91-20-3	Naphthalene	340	U	U	340	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	106-47-8	4-Chloroaniline	660	U	U	660	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	87-68-3	Hexachlorobutadiene	340	U	U	340	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	105-60-2	Caprolactam	660	U	U	660	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	59-50-7	4-Chloro-3-methylphenol	340	U	U	340	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	90-12-0	1-Methylnaphthalene	340	U	U	340	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	91-57-6	2-Methylnaphthalene	340	U	U	340	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	77-47-4	Hexachlorocyclopentadiene	660	U	U	660	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	88-06-2	2,4,6-Trichlorophenol	340	U	U	340	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	95-95-4	2,4,5-Trichlorophenol	340	U	U	340	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	92-52-4	1,1-Biphenyl	340	U	U	340	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	91-58-7	2-Chloronaphthalene	340	U	U	340	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	88-74-4	2-Nitroaniline	340	U	UJ	340	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	131-11-3	Dimethylphthalate	150	J	J	340	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	606-20-2	2,6-Dinitrotoluene	340	U	U	340	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	208-96-8	Acenaphthylene	340	U	U	340	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	99-09-2	3-Nitroaniline	660	U	UJ	660	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	83-32-9	Acenaphthene	340	U	U	340	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	51-28-5	2,4-Dinitrophenol	660	U	UJ	660	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	100-02-7	4-Nitrophenol	660	U	UJ	660	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	132-64-9	Dibenzofuran	340	U	U	340	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	121-14-2	2,4-Dinitrotoluene	340	U	U	340	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	84-66-2	Diethylphthalate	340	U	U	340	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	86-73-7	Fluorene	340	U	U	340	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	340	U	U	340	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	100-01-6	4-Nitroaniline	660	U	UJ	660	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	660	U	UJ	660	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	86-30-6	N-Nitrosodiphenylamine	340	U	U	340	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	340	U	U	340	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	101-55-3	4-Bromophenyl-phenylether	340	U	U	340	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	118-74-1	Hexachlorobenzene	340	U	U	340	ug/kg	6100-SED03A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG564	Sediment	04/19/2021	1.0	1912-24-9	Atrazine	660	U	U	660	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	87-86-5	Pentachlorophenol	660	U	U	660	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	85-01-8	Phenanthrene	340	U	U	340	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	120-12-7	Anthracene	340	U	U	340	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	86-74-8	Carbazole	660	U	U	660	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	84-74-2	Di-n-butylphthalate	340	U	U	340	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	206-44-0	Fluoranthene	340	U	U	340	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	129-00-0	Pyrene	340	U	U	340	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	85-68-7	Butylbenzylphthalate	340	U	U	340	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	91-94-1	3,3-Dichlorobenzidine	660	U	U	660	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	56-55-3	Benzo(a)anthracene	340	U	U	340	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	218-01-9	Chrysene	340	U	U	340	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	340	U	U	340	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	117-84-0	Di-n-octyl phthalate	660	U	U	660	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	205-99-2	Benzo(b)fluoranthene	340	U	U	340	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	207-08-9	Benzo(k)fluoranthene	340	U	U	340	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	50-32-8	Benzo(a)pyrene	340	U	U	340	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	340	U	U	340	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	340	U	U	340	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	191-24-2	Benzo(g,h,i)perylene	340	U	U	340	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	340	U	U	340	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	E966796	Total Alkanes	680	N	N		ug/kg	6100-SED03A
BG565	Sediment	04/19/2021	1.0	123-91-1	1,4-Dioxane	200	U	UJ	200	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	100-52-7	Benzaldehyde	990	U	U	990	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	108-95-2	Phenol	990	U	U	990	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	990	U	U	990	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	95-57-8	2-Chlorophenol	510	U	U	510	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	95-48-7	2-Methylphenol	990	U	U	990	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	990	U	U	990	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	98-86-2	Acetophenone	990	U	U	990	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	106-44-5	4-Methylphenol	990	U	U	990	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	510	U	U	510	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	67-72-1	Hexachloroethane	510	U	U	510	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	98-95-3	Nitrobenzene	510	U	U	510	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	78-59-1	Isophorone	510	U	U	510	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	88-75-5	2-Nitrophenol	510	U	U	510	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	105-67-9	2,4-Dimethylphenol	510	U	U	510	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	510	U	U	510	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	120-83-2	2,4-Dichlorophenol	510	U	U	510	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	91-20-3	Naphthalene	510	U	U	510	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	106-47-8	4-Chloroaniline	990	U	U	990	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	87-68-3	Hexachlorobutadiene	510	U	U	510	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	105-60-2	Caprolactam	990	U	U	990	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	59-50-7	4-Chloro-3-methylphenol	510	U	U	510	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	90-12-0	1-Methylnaphthalene	510	U	U	510	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	91-57-6	2-Methylnaphthalene	510	U	U	510	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	77-47-4	Hexachlorocyclopentadiene	990	U	U	990	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	88-06-2	2,4,6-Trichlorophenol	510	U	U	510	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	95-95-4	2,4,5-Trichlorophenol	510	U	U	510	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	92-52-4	1,1-Biphenyl	510	U	U	510	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	91-58-7	2-Chloronaphthalene	510	U	U	510	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	88-74-4	2-Nitroaniline	510	U	U	510	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	131-11-3	Dimethylphthalate	280	J	J	510	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	606-20-2	2,6-Dinitrotoluene	510	U	U	510	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	208-96-8	Acenaphthylene	510	U	U	510	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	99-09-2	3-Nitroaniline	990	U	U	990	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	83-32-9	Acenaphthene	510	U	U	510	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	51-28-5	2,4-Dinitrophenol	990	U	U	990	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	100-02-7	4-Nitrophenol	990	U	U	990	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	132-64-9	Dibenzofuran	510	U	U	510	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	121-14-2	2,4-Dinitrotoluene	510	U	U	510	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	84-66-2	Diethylphthalate	510	U	U	510	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	86-73-7	Fluorene	510	U	U	510	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	510	U	U	510	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	100-01-6	4-Nitroaniline	990	U	U	990	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	990	U	U	990	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	86-30-6	N-Nitrosodiphenylamine	510	U	U	510	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	510	U	U	510	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	101-55-3	4-Bromophenyl-phenylether	510	U	U	510	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	118-74-1	Hexachlorobenzene	510	U	U	510	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	1912-24-9	Atrazine	990	U	U	990	ug/kg	6100-SED03B

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG565	Sediment	04/19/2021	1.0	87-86-5	Pentachlorophenol	990	U	U	990	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	85-01-8	Phenanthrene	510	U	U	510	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	120-12-7	Anthracene	510	U	U	510	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	86-74-8	Carbazole	990	U	U	990	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	84-74-2	Di-n-butylphthalate	510	U	U	510	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	206-44-0	Fluoranthene	510	U	U	510	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	129-00-0	Pyrene	510	U	U	510	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	85-68-7	Butylbenzylphthalate	510	U	U	510	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	91-94-1	3,3-Dichlorobenzidine	990	U	U	990	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	56-55-3	Benzo(a)anthracene	510	U	U	510	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	218-01-9	Chrysene	510	U	U	510	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	510	U	U	510	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	117-84-0	Di-n-octyl phthalate	990	U	U	990	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	205-99-2	Benzo(b)fluoranthene	510	U	U	510	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	207-08-9	Benzo(k)fluoranthene	510	U	U	510	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	50-32-8	Benzo(a)pyrene	510	U	U	510	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	510	U	U	510	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	510	U	U	510	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	191-24-2	Benzo(g,h,i)perylene	510	U	U	510	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	510	U	U	510	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	E966796	Total Alkanes	250	N	N		ug/kg	6100-SED03B
BG566	Sediment	04/19/2021	1.0	123-91-1	1,4-Dioxane	190	U	UJ	190	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	100-52-7	Benzaldehyde	940	U	U	940	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	108-95-2	Phenol	940	U	U	940	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	940	U	U	940	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	95-57-8	2-Chlorophenol	480	U	U	480	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	95-48-7	2-Methylphenol	940	U	U	940	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	940	U	U	940	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	98-86-2	Acetophenone	940	U	U	940	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	106-44-5	4-Methylphenol	940	U	U	940	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	480	U	U	480	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	67-72-1	Hexachloroethane	480	U	U	480	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	98-95-3	Nitrobenzene	480	U	U	480	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	78-59-1	Isophorone	480	U	U	480	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	88-75-5	2-Nitrophenol	480	U	U	480	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	105-67-9	2,4-Dimethylphenol	480	U	U	480	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	480	U	U	480	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	120-83-2	2,4-Dichlorophenol	480	U	U	480	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	91-20-3	Naphthalene	480	U	U	480	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	106-47-8	4-Chloroaniline	940	U	U	940	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	87-68-3	Hexachlorobutadiene	480	U	U	480	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	105-60-2	Caprolactam	940	U	U	940	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	59-50-7	4-Chloro-3-methylphenol	480	U	U	480	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	90-12-0	1-Methylnaphthalene	480	U	U	480	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	91-57-6	2-Methylnaphthalene	480	U	U	480	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	77-47-4	Hexachlorocyclopentadiene	940	U	U	940	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	88-06-2	2,4,6-Trichlorophenol	480	U	U	480	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	95-95-4	2,4,5-Trichlorophenol	480	U	U	480	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	92-52-4	1,1-Biphenyl	480	U	U	480	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	91-58-7	2-Chloronaphthalene	480	U	U	480	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	88-74-4	2-Nitroaniline	480	U	U	480	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	131-11-3	Dimethylphthalate	240	J	J	480	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	606-20-2	2,6-Dinitrotoluene	480	U	U	480	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	208-96-8	Acenaphthylene	480	U	U	480	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	99-09-2	3-Nitroaniline	940	U	U	940	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	83-32-9	Acenaphthene	480	U	U	480	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	51-28-5	2,4-Dinitrophenol	940	U	U	940	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	100-02-7	4-Nitrophenol	940	U	U	940	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	132-64-9	Dibenzofuran	480	U	U	480	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	121-14-2	2,4-Dinitrotoluene	480	U	U	480	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	84-66-2	Diethylphthalate	480	U	U	480	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	86-73-7	Fluorene	480	U	U	480	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	480	U	U	480	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	100-01-6	4-Nitroaniline	940	U	U	940	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	940	U	UJ	940	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	86-30-6	N-Nitrosodiphenylamine	480	U	U	480	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	480	U	U	480	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	101-55-3	4-Bromophenyl-phenylether	480	U	U	480	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	118-74-1	Hexachlorobenzene	480	U	U	480	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	1912-24-9	Atrazine	940	U	U	940	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	87-86-5	Pentachlorophenol	940	U	U	940	ug/kg	6100-SED03C

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG566	Sediment	04/19/2021	1.0	85-01-8	Phenanthrene	480	U	U	480	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	120-12-7	Anthracene	480	U	U	480	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	86-74-8	Carbazole	940	U	U	940	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	84-74-2	Di-n-butylphthalate	480	U	U	480	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	206-44-0	Fluoranthene	480	U	U	480	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	129-00-0	Pyrene	480	U	U	480	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	85-68-7	Butylbenzylphthalate	480	U	U	480	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	91-94-1	3,3-Dichlorobenzidine	940	U	U	940	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	56-55-3	Benzo(a)anthracene	480	U	U	480	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	218-01-9	Chrysene	480	U	U	480	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	480	U	U	480	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	117-84-0	Di-n-octyl phthalate	940	U	U	940	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	205-99-2	Benzo(b)fluoranthene	480	U	U	480	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	207-08-9	Benzo(k)fluoranthene	480	U	U	480	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	50-32-8	Benzo(a)pyrene	480	U	U	480	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	480	U	U	480	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	480	U	U	480	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	191-24-2	Benzo(g,h,i)perylene	480	U	U	480	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	480	U	U	480	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	6100-SED03C
BG567	Sediment	04/19/2021	1.0	123-91-1	1,4-Dioxane	100	U	U	100	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	100-52-7	Benzaldehyde	510	U	U	510	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	108-95-2	Phenol	67	J	J	510	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	510	U	U	510	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	95-57-8	2-Chlorophenol	260	U	U	260	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	95-48-7	2-Methylphenol	510	U	U	510	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	510	U	U	510	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	98-86-2	Acetophenone	510	U	U	510	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	106-44-5	4-Methylphenol	510	U	U	510	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	260	U	U	260	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	67-72-1	Hexachloroethane	260	U	U	260	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	98-95-3	Nitrobenzene	260	U	U	260	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	78-59-1	Isophorone	260	U	U	260	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	88-75-5	2-Nitrophenol	260	U	U	260	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	105-67-9	2,4-Dimethylphenol	260	U	U	260	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	260	U	U	260	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	120-83-2	2,4-Dichlorophenol	260	U	U	260	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	91-20-3	Naphthalene	260	U	U	260	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	106-47-8	4-Chloroaniline	510	U	U	510	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	87-68-3	Hexachlorobutadiene	260	U	U	260	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	105-60-2	Caprolactam	510	U	U	510	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	59-50-7	4-Chloro-3-methylphenol	260	U	U	260	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	90-12-0	1-Methylnaphthalene	260	U	U	260	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	91-57-6	2-Methylnaphthalene	260	U	U	260	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	77-47-4	Hexachlorocyclopentadiene	510	U	U	510	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	88-06-2	2,4,6-Trichlorophenol	260	U	U	260	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	95-95-4	2,4,5-Trichlorophenol	260	U	U	260	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	92-52-4	1,1-Biphenyl	260	U	U	260	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	91-58-7	2-Chloronaphthalene	260	U	U	260	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	88-74-4	2-Nitroaniline	260	U	U	260	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	131-11-3	Dimethylphthalate	210	J	J	260	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	606-20-2	2,6-Dinitrotoluene	260	U	U	260	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	208-96-8	Acenaphthylene	260	U	U	260	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	99-09-2	3-Nitroaniline	510	U	U	510	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	83-32-9	Acenaphthene	260	U	U	260	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	51-28-5	2,4-Dinitrophenol	510	U	U	510	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	100-02-7	4-Nitrophenol	510	U	U	510	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	132-64-9	Dibenzofuran	260	U	U	260	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	121-14-2	2,4-Dinitrotoluene	260	U	U	260	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	84-66-2	Diethylphthalate	260	U	U	260	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	86-73-7	Fluorene	260	U	U	260	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	260	U	U	260	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	100-01-6	4-Nitroaniline	510	U	U	510	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	510	U	U	510	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	86-30-6	N-Nitrosodiphenylamine	260	U	U	260	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	260	U	U	260	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	101-55-3	4-Bromophenyl-phenylether	260	U	U	260	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	118-74-1	Hexachlorobenzene	260	U	U	260	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	1912-24-9	Atrazine	510	U	U	510	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	87-86-5	Pentachlorophenol	510	U	U	510	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	85-01-8	Phenanthrene	260	U	U	260	ug/kg	6100-SED04A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG567	Sediment	04/19/2021	1.0	120-12-7	Anthracene	260	U	U	260	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	86-74-8	Carbazole	510	U	U	510	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	84-74-2	Di-n-butylphthalate	260	U	U	260	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	206-44-0	Fluoranthene	68	J	J	260	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	129-00-0	Pyrene	87	J	J	260	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	85-68-7	Butylbenzylphthalate	260	U	U	260	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	91-94-1	3,3-Dichlorobenzidine	510	U	U	510	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	56-55-3	Benzo(a)anthracene	260	U	U	260	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	218-01-9	Chrysene	260	U	U	260	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	260	U	U	260	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	117-84-0	Di-n-octyl phthalate	510	U	U	510	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	205-99-2	Benzo(b)fluoranthene	260	U	U	260	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	207-08-9	Benzo(k)fluoranthene	260	U	U	260	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	50-32-8	Benzo(a)pyrene	260	U	U	260	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	260	U	U	260	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	260	U	U	260	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	191-24-2	Benzo(g,h,i)perylene	260	U	U	260	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	260	U	U	260	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	E966796	Total Alkanes	540	N	N		ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	000057-10-3	n-Hexadecanoic acid	240	JN	JN		ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	1000104-10-8	3-Methyl-4-(methoxycarbonyl)hexa-2	110	JN	JN		ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	1000130-97-9	E-15-Heptadecenal	270	JN	JN		ug/kg	6100-SED04A
BG568	Sediment	04/19/2021	1.0	123-91-1	1,4-Dioxane	130	U	UJ	130	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	100-52-7	Benzaldehyde	630	U	U	630	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	108-95-2	Phenol	630	U	U	630	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	630	U	U	630	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	95-57-8	2-Chlorophenol	330	U	U	330	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	95-48-7	2-Methylphenol	630	U	U	630	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	630	U	U	630	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	98-86-2	Acetophenone	630	U	U	630	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	106-44-5	4-Methylphenol	630	U	U	630	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	330	U	U	330	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	67-72-1	Hexachloroethane	330	U	U	330	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	98-95-3	Nitrobenzene	330	U	U	330	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	78-59-1	Isophorone	330	U	U	330	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	88-75-5	2-Nitrophenol	330	U	U	330	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	105-67-9	2,4-Dimethylphenol	330	U	U	330	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	330	U	U	330	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	120-83-2	2,4-Dichlorophenol	330	U	U	330	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	91-20-3	Naphthalene	330	U	U	330	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	106-47-8	4-Chloroaniline	630	U	U	630	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	87-68-3	Hexachlorobutadiene	330	U	U	330	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	105-60-2	Caprolactam	630	U	U	630	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	59-50-7	4-Chloro-3-methylphenol	330	U	U	330	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	90-12-0	1-Methylnaphthalene	330	U	U	330	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	91-57-6	2-Methylnaphthalene	330	U	U	330	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	77-47-4	Hexachlorocyclopentadiene	630	U	U	630	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	88-06-2	2,4,6-Trichlorophenol	330	U	U	330	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	95-95-4	2,4,5-Trichlorophenol	330	U	U	330	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	92-52-4	1,1-Biphenyl	330	U	U	330	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	91-58-7	2-Chloronaphthalene	330	U	U	330	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	88-74-4	2-Nitroaniline	330	U	U	330	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	131-11-3	Dimethylphthalate	130	J	J	330	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	606-20-2	2,6-Dinitrotoluene	330	U	U	330	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	208-96-8	Acenaphthylene	330	U	U	330	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	99-09-2	3-Nitroaniline	630	U	U	630	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	83-32-9	Acenaphthene	330	U	U	330	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	51-28-5	2,4-Dinitrophenol	630	U	U	630	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	100-02-7	4-Nitrophenol	630	U	U	630	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	132-64-9	Dibenzofuran	330	U	U	330	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	121-14-2	2,4-Dinitrotoluene	330	U	U	330	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	84-66-2	Diethylphthalate	330	U	U	330	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	86-73-7	Fluorene	330	U	U	330	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	330	U	U	330	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	100-01-6	4-Nitroaniline	630	U	U	630	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	630	U	U	630	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	86-30-6	N-Nitrosodiphenylamine	330	U	U	330	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	330	U	U	330	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	101-55-3	4-Bromophenyl-phenylether	330	U	U	330	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	118-74-1	Hexachlorobenzene	330	U	U	330	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	1912-24-9	Atrazine	630	U	U	630	ug/kg	6100-SED04B

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG568	Sediment	04/19/2021	1.0	87-86-5	Pentachlorophenol	630	U	U	630	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	85-01-8	Phenanthrene	70	J	J	330	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	120-12-7	Anthracene	160	J	J	330	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	86-74-8	Carbazole	630	U	U	630	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	84-74-2	Di-n-butylphthalate	330	U	U	330	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	206-44-0	Fluoranthene	170	J	J	330	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	129-00-0	Pyrene	190	J	J	330	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	85-68-7	Butylbenzylphthalate	330	U	U	330	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	91-94-1	3,3-Dichlorobenzidine	630	U	U	630	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	56-55-3	Benzo(a)anthracene	93	J	J	330	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	218-01-9	Chrysene	110	J	J	330	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	330	U	U	330	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	117-84-0	Di-n-octyl phthalate	630	U	U	630	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	205-99-2	Benzo(b)fluoranthene	78	J	J	330	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	207-08-9	Benzo(k)fluoranthene	330	U	U	330	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	50-32-8	Benzo(a)pyrene	76	J	J	330	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	330	U	U	330	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	330	U	U	330	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	191-24-2	Benzo(g,h,i)perylene	330	U	U	330	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	330	U	U	330	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	unknown-01	unknown-01	130	J	J		ug/kg	6100-SED04B
BG569	Sediment	04/19/2021	1.0	123-91-1	1,4-Dioxane	180	U	U	180	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	100-52-7	Benzaldehyde	910	U	U	910	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	108-95-2	Phenol	170	J	J	910	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	910	U	U	910	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	95-57-8	2-Chlorophenol	470	U	U	470	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	95-48-7	2-Methylphenol	910	U	U	910	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	910	U	U	910	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	98-86-2	Acetophenone	910	U	U	910	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	106-44-5	4-Methylphenol	910	U	U	910	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	470	U	U	470	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	67-72-1	Hexachloroethane	470	U	U	470	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	98-95-3	Nitrobenzene	470	U	U	470	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	78-59-1	Isophorone	470	U	U	470	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	88-75-5	2-Nitrophenol	470	U	U	470	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	105-67-9	2,4-Dimethylphenol	470	U	U	470	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	470	U	U	470	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	120-83-2	2,4-Dichlorophenol	470	U	U	470	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	91-20-3	Naphthalene	470	U	U	470	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	106-47-8	4-Chloroaniline	910	U	U	910	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	87-68-3	Hexachlorobutadiene	470	U	U	470	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	105-60-2	Caprolactam	910	U	U	910	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	59-50-7	4-Chloro-3-methylphenol	470	U	U	470	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	90-12-0	1-Methylnaphthalene	470	U	U	470	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	91-57-6	2-Methylnaphthalene	470	U	U	470	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	77-47-4	Hexachlorocyclopentadiene	910	U	U	910	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	88-06-2	2,4,6-Trichlorophenol	470	U	U	470	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	95-95-4	2,4,5-Trichlorophenol	470	U	U	470	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	92-52-4	1,1-Biphenyl	470	U	U	470	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	91-58-7	2-Chloronaphthalene	470	U	U	470	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	88-74-4	2-Nitroaniline	470	U	U	470	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	131-11-3	Dimethylphthalate	170	J	J	470	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	606-20-2	2,6-Dinitrotoluene	470	U	U	470	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	208-96-8	Acenaphthylene	470	U	U	470	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	99-09-2	3-Nitroaniline	910	U	U	910	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	83-32-9	Acenaphthene	470	U	U	470	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	51-28-5	2,4-Dinitrophenol	910	U	U	910	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	100-02-7	4-Nitrophenol	910	U	U	910	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	132-64-9	Dibenzofuran	470	U	U	470	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	121-14-2	2,4-Dinitrotoluene	470	U	U	470	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	84-66-2	Diethylphthalate	470	U	U	470	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	86-73-7	Fluorene	470	U	U	470	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	470	U	U	470	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	100-01-6	4-Nitroaniline	910	U	U	910	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	910	U	U	910	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	86-30-6	N-Nitrosodiphenylamine	470	U	U	470	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	470	U	U	470	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	101-55-3	4-Bromophenyl-phenylether	470	U	U	470	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	118-74-1	Hexachlorobenzene	470	U	U	470	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	1912-24-9	Atrazine	910	U	U	910	ug/kg	6100-SED04C

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG569	Sediment	04/19/2021	1.0	87-86-5	Pentachlorophenol	910	U	U	910	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	85-01-8	Phenanthrene	470	U	U	470	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	120-12-7	Anthracene	470	U	U	470	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	86-74-8	Carbazole	910	U	U	910	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	84-74-2	Di-n-butylphthalate	470	U	U	470	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	206-44-0	Fluoranthene	470	U	U	470	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	129-00-0	Pyrene	470	U	U	470	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	85-68-7	Butylbenzylphthalate	470	U	U	470	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	91-94-1	3,3-Dichlorobenzidine	910	U	U	910	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	56-55-3	Benzo(a)anthracene	470	U	U	470	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	218-01-9	Chrysene	470	U	U	470	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	120	J	J	470	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	117-84-0	Di-n-octyl phthalate	910	U	U	910	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	205-99-2	Benzo(b)fluoranthene	470	U	U	470	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	207-08-9	Benzo(k)fluoranthene	470	U	U	470	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	50-32-8	Benzo(a)pyrene	470	U	U	470	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	470	U	U	470	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	470	U	U	470	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	191-24-2	Benzo(g,h,i)perylene	470	U	U	470	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	470	U	U	470	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	000057-10-3	n-Hexadecanoic acid	290	JN	JN		ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	005333-42-6	1-Dodecanol, 2-octyl-	290	JN	JN		ug/kg	6100-SED04C
BG570	Sediment	04/19/2021	1.0	123-91-1	1,4-Dioxane	160	U	UJ	160	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	100-52-7	Benzaldehyde	780	U	U	780	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	108-95-2	Phenol	100	J	J	780	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	780	U	U	780	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	95-57-8	2-Chlorophenol	400	U	U	400	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	95-48-7	2-Methylphenol	780	U	U	780	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	780	U	U	780	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	98-86-2	Acetophenone	780	U	U	780	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	106-44-5	4-Methylphenol	780	U	U	780	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	400	U	U	400	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	67-72-1	Hexachloroethane	400	U	U	400	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	98-95-3	Nitrobenzene	400	U	U	400	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	78-59-1	Isophorone	400	U	U	400	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	88-75-5	2-Nitrophenol	400	U	U	400	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	105-67-9	2,4-Dimethylphenol	400	U	U	400	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	400	U	U	400	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	120-83-2	2,4-Dichlorophenol	400	U	U	400	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	91-20-3	Naphthalene	400	U	U	400	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	106-47-8	4-Chloroaniline	780	U	U	780	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	87-68-3	Hexachlorobutadiene	400	U	U	400	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	105-60-2	Caprolactam	780	U	U	780	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	59-50-7	4-Chloro-3-methylphenol	400	U	U	400	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	90-12-0	1-Methylnaphthalene	400	U	U	400	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	91-57-6	2-Methylnaphthalene	400	U	U	400	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	77-47-4	Hexachlorocyclopentadiene	780	U	U	780	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	88-06-2	2,4,6-Trichlorophenol	400	U	U	400	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	95-95-4	2,4,5-Trichlorophenol	400	U	U	400	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	92-52-4	1,1-Biphenyl	400	U	U	400	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	91-58-7	2-Chloronaphthalene	400	U	U	400	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	88-74-4	2-Nitroaniline	400	U	U	400	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	131-11-3	Dimethylphthalate	310	J	J	400	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	606-20-2	2,6-Dinitrotoluene	400	U	U	400	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	208-96-8	Acenaphthylene	400	U	U	400	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	99-09-2	3-Nitroaniline	780	U	U	780	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	83-32-9	Acenaphthene	400	U	U	400	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	51-28-5	2,4-Dinitrophenol	780	U	U	780	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	100-02-7	4-Nitrophenol	780	U	U	780	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	132-64-9	Dibenzofuran	400	U	U	400	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	121-14-2	2,4-Dinitrotoluene	400	U	U	400	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	84-66-2	Diethylphthalate	400	U	U	400	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	86-73-7	Fluorene	400	U	U	400	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	400	U	U	400	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	100-01-6	4-Nitroaniline	780	U	U	780	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	780	U	U	780	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	86-30-6	N-Nitrosodiphenylamine	400	U	U	400	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	400	U	U	400	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	101-55-3	4-Bromophenyl-phenylether	400	U	U	400	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	118-74-1	Hexachlorobenzene	400	U	U	400	ug/kg	6100-SED05A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG570	Sediment	04/19/2021	1.0	1912-24-9	Atrazine	780	U	U	780	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	87-86-5	Pentachlorophenol	780	U	U	780	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	85-01-8	Phenanthrene	110	J	J	400	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	120-12-7	Anthracene	400	U	U	400	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	86-74-8	Carbazole	780	U	U	780	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	84-74-2	Di-n-butylphthalate	400	U	U	400	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	206-44-0	Fluoranthene	160	J	J	400	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	129-00-0	Pyrene	170	J	J	400	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	85-68-7	Butylbenzylphthalate	400	U	U	400	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	91-94-1	3,3-Dichlorobenzidine	780	U	U	780	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	56-55-3	Benzo(a)anthracene	400	U	U	400	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	218-01-9	Chrysene	85	J	J	400	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	360	J	J	400	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	117-84-0	Di-n-octyl phthalate	780	U	U	780	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	205-99-2	Benzo(b)fluoranthene	87	J	J	400	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	207-08-9	Benzo(k)fluoranthene	400	U	U	400	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	50-32-8	Benzo(a)pyrene	400	U	U	400	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	400	U	U	400	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	400	U	U	400	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	191-24-2	Benzo(g,h,i)perylene	400	U	U	400	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	400	U	U	400	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	959067-22-2	Dodecyl isobutyl carbonate	170	JN	JN		ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	000613-12-7	Anthracene, 2-methyl-	220	JN	JN		ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	000483-87-4	Phenanthrene, 1,7-dimethyl-	180	JN	JN		ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	unknown-03	unknown-03	1600	J	J		ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	unknown-02	unknown-02	180	J	J		ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	unknown-01	unknown-01	170	J	J		ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	E966796	Total Alkanes	2700	N	N		ug/kg	6100-SED05A
BG571	Sediment	04/19/2021	1.0	123-91-1	1,4-Dioxane	210	U	U	210	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	100-52-7	Benzaldehyde	1000	U	U	1000	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	108-95-2	Phenol	130	J	J	1000	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	1000	U	U	1000	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	95-57-8	2-Chlorophenol	530	U	U	530	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	95-48-7	2-Methylphenol	1000	U	U	1000	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	1000	U	U	1000	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	98-86-2	Acetophenone	1000	U	U	1000	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	106-44-5	4-Methylphenol	1000	U	U	1000	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	530	U	U	530	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	67-72-1	Hexachloroethane	530	U	U	530	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	98-95-3	Nitrobenzene	530	U	U	530	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	78-59-1	Isophorone	530	U	U	530	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	88-75-5	2-Nitrophenol	530	U	U	530	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	105-67-9	2,4-Dimethylphenol	530	U	U	530	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	530	U	U	530	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	120-83-2	2,4-Dichlorophenol	530	U	U	530	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	91-20-3	Naphthalene	530	U	U	530	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	106-47-8	4-Chloroaniline	1000	U	U	1000	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	87-68-3	Hexachlorobutadiene	530	U	U	530	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	105-60-2	Caprolactam	1000	U	U	1000	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	59-50-7	4-Chloro-3-methylphenol	530	U	U	530	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	90-12-0	1-Methylnaphthalene	530	U	U	530	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	91-57-6	2-Methylnaphthalene	530	U	U	530	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	77-47-4	Hexachlorocyclopentadiene	1000	U	U	1000	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	88-06-2	2,4,6-Trichlorophenol	530	U	U	530	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	95-95-4	2,4,5-Trichlorophenol	530	U	U	530	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	92-52-4	1,1-Biphenyl	530	U	U	530	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	91-58-7	2-Chloronaphthalene	530	U	U	530	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	88-74-4	2-Nitroaniline	530	U	U	530	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	131-11-3	Dimethylphthalate	400	J	J	530	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	606-20-2	2,6-Dinitrotoluene	530	U	U	530	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	208-96-8	Acenaphthylene	530	U	U	530	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	99-09-2	3-Nitroaniline	1000	U	U	1000	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	83-32-9	Acenaphthene	530	U	U	530	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	51-28-5	2,4-Dinitrophenol	1000	U	U	1000	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	100-02-7	4-Nitrophenol	1000	U	U	1000	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	132-64-9	Dibenzofuran	530	U	U	530	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	121-14-2	2,4-Dinitrotoluene	530	U	U	530	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	84-66-2	Diethylphthalate	530	U	U	530	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	86-73-7	Fluorene	530	U	U	530	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	530	U	U	530	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	100-01-6	4-Nitroaniline	1000	U	U	1000	ug/kg	6100-SED05B

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG571	Sediment	04/19/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	1000	U	U	1000	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	86-30-6	N-Nitrosodiphenylamine	530	U	U	530	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	530	U	U	530	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	101-55-3	4-Bromophenyl-phenylether	530	U	U	530	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	118-74-1	Hexachlorobenzene	530	U	U	530	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	1912-24-9	Atrazine	1000	U	U	1000	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	87-86-5	Pentachlorophenol	1000	U	U	1000	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	85-01-8	Phenanthrene	530	U	U	530	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	120-12-7	Anthracene	530	U	U	530	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	86-74-8	Carbazole	1000	U	U	1000	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	84-74-2	Di-n-butylphthalate	530	U	U	530	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	206-44-0	Fluoranthene	530	U	U	530	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	129-00-0	Pyrene	530	U	U	530	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	85-68-7	Butylbenzylphthalate	530	U	U	530	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	91-94-1	3,3-Dichlorobenzidine	1000	U	U	1000	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	56-55-3	Benzo(a)anthracene	530	U	U	530	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	218-01-9	Chrysene	530	U	U	530	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	270	J	J	530	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	117-84-0	Di-n-octyl phthalate	1000	U	U	1000	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	205-99-2	Benzo(b)fluoranthene	530	U	U	530	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	207-08-9	Benzo(k)fluoranthene	530	U	U	530	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	50-32-8	Benzo(a)pyrene	530	U	U	530	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	530	U	U	530	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	530	U	U	530	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	191-24-2	Benzo(g,h,i)perylene	530	U	U	530	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	530	U	U	530	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	000506-51-4	n-Tetracosanol-1	220	JN	JN		ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	1000309-19-6	Sulfurous acid, 2-ethylhexyl tride	250	JN	JN		ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	6100-SED05B
BG572	Sediment	04/19/2021	1.0	123-91-1	1,4-Dioxane	210	U	UJ	210	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	100-52-7	Benzaldehyde	1000	U	U	1000	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	108-95-2	Phenol	1000	U	U	1000	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	1000	U	U	1000	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	95-57-8	2-Chlorophenol	520	U	U	520	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	95-48-7	2-Methylphenol	1000	U	U	1000	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	1000	U	U	1000	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	98-86-2	Acetophenone	1000	U	U	1000	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	106-44-5	4-Methylphenol	1000	U	U	1000	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	520	U	U	520	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	67-72-1	Hexachloroethane	520	U	U	520	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	98-95-3	Nitrobenzene	520	U	U	520	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	78-59-1	Isophorone	520	U	U	520	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	88-75-5	2-Nitrophenol	520	U	U	520	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	105-67-9	2,4-Dimethylphenol	520	U	U	520	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	520	U	U	520	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	120-83-2	2,4-Dichlorophenol	520	U	U	520	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	91-20-3	Naphthalene	520	U	U	520	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	106-47-8	4-Chloroaniline	1000	U	U	1000	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	87-68-3	Hexachlorobutadiene	520	U	U	520	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	105-60-2	Caprolactam	1000	U	U	1000	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	59-50-7	4-Chloro-3-methylphenol	520	U	U	520	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	90-12-0	1-Methylnaphthalene	520	U	U	520	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	91-57-6	2-Methylnaphthalene	520	U	U	520	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	77-47-4	Hexachlorocyclopentadiene	1000	U	U	1000	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	88-06-2	2,4,6-Trichlorophenol	520	U	U	520	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	95-95-4	2,4,5-Trichlorophenol	520	U	U	520	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	92-52-4	1,1-Biphenyl	520	U	U	520	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	91-58-7	2-Chloronaphthalene	520	U	U	520	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	88-74-4	2-Nitroaniline	520	U	U	520	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	131-11-3	Dimethylphthalate	220	J	J	520	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	606-20-2	2,6-Dinitrotoluene	520	U	U	520	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	208-96-8	Acenaphthylene	520	U	U	520	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	99-09-2	3-Nitroaniline	1000	U	U	1000	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	83-32-9	Acenaphthene	520	U	U	520	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	51-28-5	2,4-Dinitrophenol	1000	U	U	1000	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	100-02-7	4-Nitrophenol	1000	U	U	1000	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	132-64-9	Dibenzofuran	520	U	U	520	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	121-14-2	2,4-Dinitrotoluene	520	U	U	520	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	84-66-2	Diethylphthalate	520	U	U	520	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	86-73-7	Fluorene	520	U	U	520	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	520	U	U	520	ug/kg	6100-SED05C

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG572	Sediment	04/19/2021	1.0	100-01-6	4-Nitroaniline	1000	U	U	1000	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	1000	U	U	1000	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	86-30-6	N-Nitrosodiphenylamine	520	U	U	520	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	520	U	U	520	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	101-55-3	4-Bromophenyl-phenylether	520	U	U	520	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	118-74-1	Hexachlorobenzene	520	U	U	520	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	1912-24-9	Atrazine	1000	U	U	1000	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	87-86-5	Pentachlorophenol	1000	U	U	1000	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	85-01-8	Phenanthrene	520	U	U	520	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	120-12-7	Anthracene	520	U	U	520	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	86-74-8	Carbazole	1000	U	U	1000	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	84-74-2	Di-n-butylphthalate	520	U	U	520	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	206-44-0	Fluoranthene	520	U	U	520	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	129-00-0	Pyrene	520	U	U	520	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	85-68-7	Butylbenzylphthalate	520	U	U	520	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	91-94-1	3,3-Dichlorobenzidine	1000	U	U	1000	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	56-55-3	Benzo(a)anthracene	520	U	U	520	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	218-01-9	Chrysene	520	U	U	520	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	520	U	U	520	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	117-84-0	Di-n-octyl phthalate	1000	U	U	1000	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	205-99-2	Benzo(b)fluoranthene	520	U	U	520	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	207-08-9	Benzo(k)fluoranthene	520	U	U	520	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	50-32-8	Benzo(a)pyrene	520	U	U	520	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	520	U	U	520	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	520	U	U	520	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	191-24-2	Benzo(g,h,i)perylene	520	U	U	520	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	520	U	U	520	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	E966796	Total Alkanes		B	B		ug/kg	6100-SED05C
SLCS895		04/23/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	
SLCS895		04/23/2021	1.0	123-91-1	1,4-Dioxane	300			67	ug/kg	
SLCS895		04/23/2021	1.0	100-52-7	Benzaldehyde	1100			330	ug/kg	
SLCS895		04/23/2021	1.0	108-95-2	Phenol	920			330	ug/kg	
SLCS895		04/23/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	990			330	ug/kg	
SLCS895		04/23/2021	1.0	95-57-8	2-Chlorophenol	970			170	ug/kg	
SLCS895		04/23/2021	1.0	95-48-7	2-Methylphenol	940			330	ug/kg	
SLCS895		04/23/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	1000			330	ug/kg	
SLCS895		04/23/2021	1.0	98-86-2	Acetophenone	1000			330	ug/kg	
SLCS895		04/23/2021	1.0	106-44-5	4-Methylphenol	960			330	ug/kg	
SLCS895		04/23/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	1100			170	ug/kg	
SLCS895		04/23/2021	1.0	67-72-1	Hexachloroethane	1100			170	ug/kg	
SLCS895		04/23/2021	1.0	98-95-3	Nitrobenzene	1000			170	ug/kg	
SLCS895		04/23/2021	1.0	78-59-1	Isophorone	1100			170	ug/kg	
SLCS895		04/23/2021	1.0	88-75-5	2-Nitrophenol	970			170	ug/kg	
SLCS895		04/23/2021	1.0	105-67-9	2,4-Dimethylphenol	940			170	ug/kg	
SLCS895		04/23/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	1000			170	ug/kg	
SLCS895		04/23/2021	1.0	120-83-2	2,4-Dichlorophenol	980			170	ug/kg	
SLCS895		04/23/2021	1.0	91-20-3	Naphthalene	990			170	ug/kg	
SLCS895		04/23/2021	1.0	106-47-8	4-Chloroaniline	890			330	ug/kg	
SLCS895		04/23/2021	1.0	87-68-3	Hexachlorobutadiene	990			170	ug/kg	
SLCS895		04/23/2021	1.0	105-60-2	Caprolactam	1000			330	ug/kg	
SLCS895		04/23/2021	1.0	59-50-7	4-Chloro-3-methylphenol	1000			170	ug/kg	
SLCS895		04/23/2021	1.0	90-12-0	1-Methylnaphthalene	1000			170	ug/kg	
SLCS895		04/23/2021	1.0	91-57-6	2-Methylnaphthalene	1000			170	ug/kg	
SLCS895		04/23/2021	1.0	77-47-4	Hexachlorocyclopentadiene	900			330	ug/kg	
SLCS895		04/23/2021	1.0	88-06-2	2,4,6-Trichlorophenol	1000			170	ug/kg	
SLCS895		04/23/2021	1.0	95-95-4	2,4,5-Trichlorophenol	1000			170	ug/kg	
SLCS895		04/23/2021	1.0	92-52-4	1,1-Biphenyl	1100			170	ug/kg	
SLCS895		04/23/2021	1.0	91-58-7	2-Chloronaphthalene	1100			170	ug/kg	
SLCS895		04/23/2021	1.0	88-74-4	2-Nitroaniline	1200			170	ug/kg	
SLCS895		04/23/2021	1.0	131-11-3	Dimethylphthalate	1100			170	ug/kg	
SLCS895		04/23/2021	1.0	606-20-2	2,6-Dinitrotoluene	1200			170	ug/kg	
SLCS895		04/23/2021	1.0	208-96-8	Acenaphthylene	1100			170	ug/kg	
SLCS895		04/23/2021	1.0	99-09-2	3-Nitroaniline	950			330	ug/kg	
SLCS895		04/23/2021	1.0	83-32-9	Acenaphthene	1100			170	ug/kg	
SLCS895		04/23/2021	1.0	51-28-5	2,4-Dinitrophenol	1300			330	ug/kg	
SLCS895		04/23/2021	1.0	100-02-7	4-Nitrophenol	1000			330	ug/kg	
SLCS895		04/23/2021	1.0	132-64-9	Dibenzofuran	1100			170	ug/kg	
SLCS895		04/23/2021	1.0	121-14-2	2,4-Dinitrotoluene	1300			170	ug/kg	
SLCS895		04/23/2021	1.0	84-66-2	Diethylphthalate	1100			170	ug/kg	
SLCS895		04/23/2021	1.0	86-73-7	Fluorene	1100			170	ug/kg	
SLCS895		04/23/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	1100			170	ug/kg	

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
SLCS895		04/23/2021	1.0	100-01-6	4-Nitroaniline	1100			330	ug/kg	
SLCS895		04/23/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	960			330	ug/kg	
SLCS895		04/23/2021	1.0	86-30-6	N-Nitrosodiphenylamine	1100			170	ug/kg	
SLCS895		04/23/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	1000			170	ug/kg	
SLCS895		04/23/2021	1.0	101-55-3	4-Bromophenyl-phenylether	1200			170	ug/kg	
SLCS895		04/23/2021	1.0	118-74-1	Hexachlorobenzene	1100			170	ug/kg	
SLCS895		04/23/2021	1.0	1912-24-9	Atrazine	1000			330	ug/kg	
SLCS895		04/23/2021	1.0	87-86-5	Pentachlorophenol	910			330	ug/kg	
SLCS895		04/23/2021	1.0	85-01-8	Phenanthrene	1100			170	ug/kg	
SLCS895		04/23/2021	1.0	120-12-7	Anthracene	1100			170	ug/kg	
SLCS895		04/23/2021	1.0	86-74-8	Carbazole	1100			330	ug/kg	
SLCS895		04/23/2021	1.0	84-74-2	Di-n-butylphthalate	1100			170	ug/kg	
SLCS895		04/23/2021	1.0	206-44-0	Fluoranthene	1200			170	ug/kg	
SLCS895		04/23/2021	1.0	129-00-0	Pyrene	1200			170	ug/kg	
SLCS895		04/23/2021	1.0	85-68-7	Butylbenzylphthalate	1100			170	ug/kg	
SLCS895		04/23/2021	1.0	91-94-1	3,3-Dichlorobenzidine	920			330	ug/kg	
SLCS895		04/23/2021	1.0	56-55-3	Benzo(a)anthracene	1100			170	ug/kg	
SLCS895		04/23/2021	1.0	218-01-9	Chrysene	1200			170	ug/kg	
SLCS895		04/23/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	1100			170	ug/kg	
SLCS895		04/23/2021	1.0	117-84-0	Di-n-octyl phthalate	1000			330	ug/kg	
SLCS895		04/23/2021	1.0	205-99-2	Benzo(b)fluoranthene	1100			170	ug/kg	
SLCS895		04/23/2021	1.0	207-08-9	Benzo(k)fluoranthene	1100			170	ug/kg	
SLCS895		04/23/2021	1.0	50-32-8	Benzo(a)pyrene	1200			170	ug/kg	
SLCS895		04/23/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	1200			170	ug/kg	
SLCS895		04/23/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	1200			170	ug/kg	
SLCS895		04/23/2021	1.0	191-24-2	Benzo(g,h,i)perylene	1200			170	ug/kg	
SLCS895		04/23/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	1100			170	ug/kg	
SBLK895		04/23/2021	1.0	123-91-1	1,4-Dioxane	67	U	U	67	ug/kg	
SBLK895		04/23/2021	1.0	100-52-7	Benzaldehyde	330	U	U	330	ug/kg	
SBLK895		04/23/2021	1.0	108-95-2	Phenol	330	U	U	330	ug/kg	
SBLK895		04/23/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	330	U	U	330	ug/kg	
SBLK895		04/23/2021	1.0	95-57-8	2-Chlorophenol	170	U	U	170	ug/kg	
SBLK895		04/23/2021	1.0	95-48-7	2-Methylphenol	330	U	U	330	ug/kg	
SBLK895		04/23/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	330	U	U	330	ug/kg	
SBLK895		04/23/2021	1.0	98-86-2	Acetophenone	330	U	U	330	ug/kg	
SBLK895		04/23/2021	1.0	106-44-5	4-Methylphenol	330	U	U	330	ug/kg	
SBLK895		04/23/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	170	U	U	170	ug/kg	
SBLK895		04/23/2021	1.0	67-72-1	Hexachloroethane	170	U	U	170	ug/kg	
SBLK895		04/23/2021	1.0	98-95-3	Nitrobenzene	170	U	U	170	ug/kg	
SBLK895		04/23/2021	1.0	78-59-1	Isophorone	170	U	U	170	ug/kg	
SBLK895		04/23/2021	1.0	88-75-5	2-Nitrophenol	170	U	U	170	ug/kg	
SBLK895		04/23/2021	1.0	105-67-9	2,4-Dimethylphenol	170	U	U	170	ug/kg	
SBLK895		04/23/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	170	U	U	170	ug/kg	
SBLK895		04/23/2021	1.0	120-83-2	2,4-Dichlorophenol	170	U	U	170	ug/kg	
SBLK895		04/23/2021	1.0	91-20-3	Naphthalene	170	U	U	170	ug/kg	
SBLK895		04/23/2021	1.0	106-47-8	4-Chloroaniline	330	U	U	330	ug/kg	
SBLK895		04/23/2021	1.0	87-68-3	Hexachlorobutadiene	170	U	U	170	ug/kg	
SBLK895		04/23/2021	1.0	105-60-2	Caprolactam	330	U	U	330	ug/kg	
SBLK895		04/23/2021	1.0	59-50-7	4-Chloro-3-methylphenol	170	U	U	170	ug/kg	
SBLK895		04/23/2021	1.0	90-12-0	1-Methylnaphthalene	170	U	U	170	ug/kg	
SBLK895		04/23/2021	1.0	91-57-6	2-Methylnaphthalene	170	U	U	170	ug/kg	
SBLK895		04/23/2021	1.0	77-47-4	Hexachlorocyclopentadiene	330	U	U	330	ug/kg	
SBLK895		04/23/2021	1.0	88-06-2	2,4,6-Trichlorophenol	170	U	U	170	ug/kg	
SBLK895		04/23/2021	1.0	95-95-4	2,4,5-Trichlorophenol	170	U	U	170	ug/kg	
SBLK895		04/23/2021	1.0	92-52-4	1,1-Biphenyl	170	U	U	170	ug/kg	
SBLK895		04/23/2021	1.0	91-58-7	2-Chloronaphthalene	170	U	U	170	ug/kg	
SBLK895		04/23/2021	1.0	88-74-4	2-Nitroaniline	170	U	U	170	ug/kg	
SBLK895		04/23/2021	1.0	131-11-3	Dimethylphthalate	170	U	U	170	ug/kg	
SBLK895		04/23/2021	1.0	606-20-2	2,6-Dinitrotoluene	170	U	U	170	ug/kg	
SBLK895		04/23/2021	1.0	208-96-8	Acenaphthylene	170	U	U	170	ug/kg	
SBLK895		04/23/2021	1.0	99-09-2	3-Nitroaniline	330	U	U	330	ug/kg	
SBLK895		04/23/2021	1.0	83-32-9	Acenaphthene	170	U	U	170	ug/kg	
SBLK895		04/23/2021	1.0	51-28-5	2,4-Dinitrophenol	330	U	U	330	ug/kg	
SBLK895		04/23/2021	1.0	100-02-7	4-Nitrophenol	330	U	U	330	ug/kg	
SBLK895		04/23/2021	1.0	132-64-9	Dibenzofuran	170	U	U	170	ug/kg	
SBLK895		04/23/2021	1.0	121-14-2	2,4-Dinitrotoluene	170	U	U	170	ug/kg	
SBLK895		04/23/2021	1.0	84-66-2	Diethylphthalate	170	U	U	170	ug/kg	
SBLK895		04/23/2021	1.0	86-73-7	Fluorene	170	U	U	170	ug/kg	
SBLK895		04/23/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	170	U	U	170	ug/kg	
SBLK895		04/23/2021	1.0	100-01-6	4-Nitroaniline	330	U	U	330	ug/kg	
SBLK895		04/23/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	330	U	U	330	ug/kg	

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
SBLK895		04/23/2021	1.0	86-30-6	N-Nitrosodiphenylamine	170	U	U	170	ug/kg	
SBLK895		04/23/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	170	U	U	170	ug/kg	
SBLK895		04/23/2021	1.0	101-55-3	4-Bromophenyl-phenylether	170	U	U	170	ug/kg	
SBLK895		04/23/2021	1.0	118-74-1	Hexachlorobenzene	170	U	U	170	ug/kg	
SBLK895		04/23/2021	1.0	1912-24-9	Atrazine	330	U	U	330	ug/kg	
SBLK895		04/23/2021	1.0	87-86-5	Pentachlorophenol	330	U	U	330	ug/kg	
SBLK895		04/23/2021	1.0	85-01-8	Phenanthrene	170	U	U	170	ug/kg	
SBLK895		04/23/2021	1.0	120-12-7	Anthracene	170	U	U	170	ug/kg	
SBLK895		04/23/2021	1.0	86-74-8	Carbazole	330	U	U	330	ug/kg	
SBLK895		04/23/2021	1.0	84-74-2	Di-n-butylphthalate	170	U	U	170	ug/kg	
SBLK895		04/23/2021	1.0	206-44-0	Fluoranthene	170	U	U	170	ug/kg	
SBLK895		04/23/2021	1.0	129-00-0	Pyrene	170	U	U	170	ug/kg	
SBLK895		04/23/2021	1.0	85-68-7	Butylbenzylphthalate	170	U	U	170	ug/kg	
SBLK895		04/23/2021	1.0	91-94-1	3,3-Dichlorobenzidine	330	U	U	330	ug/kg	
SBLK895		04/23/2021	1.0	56-55-3	Benzo(a)anthracene	170	U	U	170	ug/kg	
SBLK895		04/23/2021	1.0	218-01-9	Chrysene	170	U	U	170	ug/kg	
SBLK895		04/23/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	170	U	U	170	ug/kg	
SBLK895		04/23/2021	1.0	117-84-0	Di-n-octyl phthalate	330	U	U	330	ug/kg	
SBLK895		04/23/2021	1.0	205-99-2	Benzo(b)fluoranthene	170	U	U	170	ug/kg	
SBLK895		04/23/2021	1.0	207-08-9	Benzo(k)fluoranthene	170	U	U	170	ug/kg	
SBLK895		04/23/2021	1.0	50-32-8	Benzo(a)pyrene	170	U	U	170	ug/kg	
SBLK895		04/23/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	170	U	U	170	ug/kg	
SBLK895		04/23/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	170	U	U	170	ug/kg	
SBLK895		04/23/2021	1.0	191-24-2	Benzo(g,h,i)perylene	170	U	U	170	ug/kg	
SBLK895		04/23/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	170	U	U	170	ug/kg	
SBLK895		04/23/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	
BG4Z8	Sediment	04/15/2021	1.0	319-84-6	alpha-BHC	3.9	U	U	3.9	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	319-85-7	beta-BHC	3.9	U	U	3.9	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	319-86-8	delta-BHC	0.49	J	J	3.9	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	58-89-9	gamma-BHC (Lindane)	1.4	JP	J	3.9	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	76-44-8	Heptachlor	3.9	U	U	3.9	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	309-00-2	Aldrin	3.9	U	U	3.9	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	1024-57-3	Heptachlor epoxide	3.9	U	U	3.9	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	959-98-8	Endosulfan I	3.9	U	U	3.9	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	60-57-1	Dieldrin	0.70	JP	NJ	7.6	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	72-55-9	4,4'-DDE	1.5	JP	J	7.6	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	72-20-8	Endrin	0.62	JP	J	7.6	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	33213-65-9	Endosulfan II	3.0	JP	J	7.6	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	72-54-8	4,4'-DDD	4.9	JP	J	7.6	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	1031-07-8	Endosulfan Sulfate	7.6	U	U	7.6	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	50-29-3	4,4'-DDT	2.6	JP	J	7.6	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	72-43-5	Methoxychlor	39	U	U	39	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	53494-70-5	Endrin ketone	7.6	U	U	7.6	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	7421-93-4	Endrin Aldehyde	7.6	U	U	7.6	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	5103-71-9	cis-Chlordane	3.3	JP	J	3.9	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	5103-74-2	trans-Chlordane	3.0	JP	J	3.9	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	8001-35-2	Toxaphene	390	U	U	390	ug/kg	6100-SED21A
BG558	Sediment	04/19/2021	1.0	319-84-6	alpha-BHC	2.1	U	U	2.1	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	319-85-7	beta-BHC	2.1	U	U	2.1	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	319-86-8	delta-BHC	2.1	U	U	2.1	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	58-89-9	gamma-BHC (Lindane)	2.1	U	U	2.1	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	76-44-8	Heptachlor	2.1	U	U	2.1	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	309-00-2	Aldrin	2.1	U	U	2.1	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	1024-57-3	Heptachlor epoxide	2.1	U	U	2.1	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	959-98-8	Endosulfan I	2.1	U	U	2.1	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	60-57-1	Dieldrin	4.0	U	U	4.0	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	72-55-9	4,4'-DDE	4.0	U	U	4.0	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	72-20-8	Endrin	4.0	U	U	4.0	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	33213-65-9	Endosulfan II	4.0	U	U	4.0	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	72-54-8	4,4'-DDD	4.0	U	U	4.0	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	1031-07-8	Endosulfan Sulfate	4.0	U	U	4.0	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	50-29-3	4,4'-DDT	4.0	U	U	4.0	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	72-43-5	Methoxychlor	21	U	U	21	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	53494-70-5	Endrin ketone	4.0	U	U	4.0	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	7421-93-4	Endrin Aldehyde	4.0	U	U	4.0	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	5103-71-9	cis-Chlordane	2.1	U	U	2.1	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	5103-74-2	trans-Chlordane	2.1	U	U	2.1	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	8001-35-2	Toxaphene	210	U	U	210	ug/kg	6100-SED01A
BG559	Sediment	04/19/2021	1.0	319-84-6	alpha-BHC	2.1	U	UJ	2.1	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	319-85-7	beta-BHC	2.1	U	UJ	2.1	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	319-86-8	delta-BHC	2.1	U	UJ	2.1	ug/kg	6100-SED01B

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG559	Sediment	04/19/2021	1.0	58-89-9	gamma-BHC (Lindane)	2.1	U	UJ	2.1	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	76-44-8	Heptachlor	2.1	U	UJ	2.1	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	309-00-2	Aldrin	2.1	U	UJ	2.1	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	1024-57-3	Heptachlor epoxide	2.1	U	UJ	2.1	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	959-98-8	Endosulfan I	2.1	U	UJ	2.1	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	60-57-1	Dieldrin	4.0	U	UJ	4.0	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	72-55-9	4,4'-DDE	4.0	U	UJ	4.0	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	72-20-8	Endrin	4.0	U	UJ	4.0	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	33213-65-9	Endosulfan II	4.0	U	UJ	4.0	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	72-54-8	4,4'-DDD	4.0	U	UJ	4.0	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	1031-07-8	Endosulfan Sulfate	4.0	U	UJ	4.0	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	50-29-3	4,4'-DDT	4.0	U	UJ	4.0	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	72-43-5	Methoxychlor	21	U	UJ	21	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	53494-70-5	Endrin ketone	4.0	U	UJ	4.0	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	7421-93-4	Endrin Aldehyde	4.0	U	UJ	4.0	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	5103-71-9	cis-Chlordane	2.1	U	UJ	2.1	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	5103-74-2	trans-Chlordane	2.1	U	UJ	2.1	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	8001-35-2	Toxaphene	210	U	UJ	210	ug/kg	6100-SED01B
BG560	Sediment	04/19/2021	1.0	319-84-6	alpha-BHC	2.1	U	U	2.1	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	319-85-7	beta-BHC	2.1	U	U	2.1	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	319-86-8	delta-BHC	2.1	U	U	2.1	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	58-89-9	gamma-BHC (Lindane)	2.1	U	U	2.1	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	76-44-8	Heptachlor	2.1	U	U	2.1	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	309-00-2	Aldrin	2.1	U	U	2.1	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	1024-57-3	Heptachlor epoxide	2.1	U	U	2.1	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	959-98-8	Endosulfan I	2.1	U	U	2.1	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	60-57-1	Dieldrin	4.1	U	U	4.1	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	72-55-9	4,4'-DDE	4.1	U	U	4.1	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	72-20-8	Endrin	4.1	U	U	4.1	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	33213-65-9	Endosulfan II	4.1	U	U	4.1	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	72-54-8	4,4'-DDD	4.1	U	U	4.1	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	1031-07-8	Endosulfan Sulfate	4.1	U	U	4.1	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	50-29-3	4,4'-DDT	4.1	U	U	4.1	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	72-43-5	Methoxychlor	21	U	U	21	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	53494-70-5	Endrin ketone	4.1	U	U	4.1	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	7421-93-4	Endrin Aldehyde	4.1	U	U	4.1	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	5103-71-9	cis-Chlordane	2.1	U	U	2.1	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	5103-74-2	trans-Chlordane	2.1	U	U	2.1	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	8001-35-2	Toxaphene	210	U	U	210	ug/kg	6100-SED01C
BG561	Sediment	04/19/2021	1.0	319-84-6	alpha-BHC	3.3	U	U	3.3	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	319-85-7	beta-BHC	3.3	U	U	3.3	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	319-86-8	delta-BHC	3.3	U	U	3.3	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	58-89-9	gamma-BHC (Lindane)	3.3	U	U	3.3	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	76-44-8	Heptachlor	3.3	U	U	3.3	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	309-00-2	Aldrin	0.54	J	J	3.3	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	1024-57-3	Heptachlor epoxide	3.3	U	U	3.3	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	959-98-8	Endosulfan I	3.3	U	U	3.3	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	60-57-1	Dieldrin	6.5	U	U	6.5	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	72-55-9	4,4'-DDE	6.5	U	U	6.5	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	72-20-8	Endrin	6.5	U	U	6.5	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	33213-65-9	Endosulfan II	6.5	U	U	6.5	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	72-54-8	4,4'-DDD	6.5	U	U	6.5	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	1031-07-8	Endosulfan Sulfate	6.5	U	U	6.5	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	50-29-3	4,4'-DDT	6.5	U	U	6.5	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	72-43-5	Methoxychlor	33	U	U	33	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	53494-70-5	Endrin ketone	6.5	U	U	6.5	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	7421-93-4	Endrin Aldehyde	6.5	U	U	6.5	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	5103-71-9	cis-Chlordane	3.3	U	U	3.3	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	5103-74-2	trans-Chlordane	3.3	U	U	3.3	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	8001-35-2	Toxaphene	330	U	U	330	ug/kg	6100-SED02A
BG562	Sediment	04/19/2021	1.0	319-84-6	alpha-BHC	3.2	U	U	3.2	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	319-85-7	beta-BHC	3.2	U	U	3.2	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	319-86-8	delta-BHC	3.2	U	U	3.2	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	58-89-9	gamma-BHC (Lindane)	3.2	U	U	3.2	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	76-44-8	Heptachlor	3.2	U	U	3.2	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	309-00-2	Aldrin	3.2	U	U	3.2	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	1024-57-3	Heptachlor epoxide	3.2	U	U	3.2	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	959-98-8	Endosulfan I	3.2	U	U	3.2	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	60-57-1	Dieldrin	6.2	U	U	6.2	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	72-55-9	4,4'-DDE	0.81	JP	J	6.2	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	72-20-8	Endrin	0.80	J	J	6.2	ug/kg	6100-SED02B

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG562	Sediment	04/19/2021	1.0	33213-65-9	Endosulfan II	6.2	U	U	6.2	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	72-54-8	4,4'-DDD	6.2	U	U	6.2	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	1031-07-8	Endosulfan Sulfate	0.36	JP	J	6.2	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	50-29-3	4,4'-DDT	6.2	U	U	6.2	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	72-43-5	Methoxychlor	32	U	U	32	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	53494-70-5	Endrin ketone	6.2	U	U	6.2	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	7421-93-4	Endrin Aldehyde	6.2	U	U	6.2	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	5103-71-9	cis-Chlordane	3.2	U	U	3.2	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	5103-74-2	trans-Chlordane	3.2	U	U	3.2	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	8001-35-2	Toxaphene	320	U	U	320	ug/kg	6100-SED02B
BG563	Sediment	04/19/2021	1.0	319-84-6	alpha-BHC	2.4	U	U	2.4	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	319-85-7	beta-BHC	2.4	U	U	2.4	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	319-86-8	delta-BHC	2.4	U	U	2.4	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	58-89-9	gamma-BHC (Lindane)	2.4	U	U	2.4	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	76-44-8	Heptachlor	2.4	U	U	2.4	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	309-00-2	Aldrin	2.4	U	U	2.4	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	1024-57-3	Heptachlor epoxide	2.4	U	U	2.4	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	959-98-8	Endosulfan I	2.4	U	U	2.4	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	60-57-1	Dieldrin	4.6	U	U	4.6	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	72-55-9	4,4'-DDE	0.30	JP	J	4.6	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	72-20-8	Endrin	4.6	U	U	4.6	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	33213-65-9	Endosulfan II	4.6	U	U	4.6	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	72-54-8	4,4'-DDD	0.82	JP	J	4.6	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	1031-07-8	Endosulfan Sulfate	4.6	U	U	4.6	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	50-29-3	4,4'-DDT	0.36	JP	J	4.6	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	72-43-5	Methoxychlor	24	U	U	24	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	53494-70-5	Endrin ketone	4.6	U	U	4.6	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	7421-93-4	Endrin Aldehyde	4.6	U	U	4.6	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	5103-71-9	cis-Chlordane	2.4	U	U	2.4	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	5103-74-2	trans-Chlordane	2.4	U	U	2.4	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	8001-35-2	Toxaphene	240	U	U	240	ug/kg	6100-SED02C
BG564	Sediment	04/19/2021	1.0	319-84-6	alpha-BHC	3.4	U	U	3.4	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	319-85-7	beta-BHC	3.4	U	U	3.4	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	319-86-8	delta-BHC	3.4	U	U	3.4	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	58-89-9	gamma-BHC (Lindane)	3.4	U	U	3.4	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	76-44-8	Heptachlor	3.4	U	U	3.4	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	309-00-2	Aldrin	3.4	U	U	3.4	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	1024-57-3	Heptachlor epoxide	3.4	U	U	3.4	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	959-98-8	Endosulfan I	3.4	U	U	3.4	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	60-57-1	Dieldrin	6.6	U	U	6.6	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	72-55-9	4,4'-DDE	6.6	U	U	6.6	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	72-20-8	Endrin	6.6	U	U	6.6	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	33213-65-9	Endosulfan II	6.6	U	U	6.6	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	72-54-8	4,4'-DDD	6.6	U	U	6.6	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	1031-07-8	Endosulfan Sulfate	6.6	U	U	6.6	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	50-29-3	4,4'-DDT	6.6	U	U	6.6	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	72-43-5	Methoxychlor	34	U	U	34	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	53494-70-5	Endrin ketone	6.6	U	U	6.6	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	7421-93-4	Endrin Aldehyde	6.6	U	U	6.6	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	5103-71-9	cis-Chlordane	3.4	U	U	3.4	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	5103-74-2	trans-Chlordane	3.4	U	U	3.4	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	8001-35-2	Toxaphene	340	U	U	340	ug/kg	6100-SED03A
BG565	Sediment	04/19/2021	1.0	319-84-6	alpha-BHC	5.1	U	U	5.1	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	319-85-7	beta-BHC	5.1	U	U	5.1	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	319-86-8	delta-BHC	5.1	U	U	5.1	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	58-89-9	gamma-BHC (Lindane)	5.1	U	U	5.1	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	76-44-8	Heptachlor	5.1	U	U	5.1	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	309-00-2	Aldrin	5.1	U	U	5.1	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	1024-57-3	Heptachlor epoxide	5.1	U	U	5.1	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	959-98-8	Endosulfan I	5.1	U	U	5.1	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	60-57-1	Dieldrin	0.86	JP	NJ	10	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	72-55-9	4,4'-DDE	1.6	JP	NJ	10	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	72-20-8	Endrin	1.0	J	J	10	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	33213-65-9	Endosulfan II	10	U	U	10	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	72-54-8	4,4'-DDD	0.53	JP	J	10	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	1031-07-8	Endosulfan Sulfate	10	U	U	10	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	50-29-3	4,4'-DDT	10	U	U	10	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	72-43-5	Methoxychlor	51	U	U	51	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	53494-70-5	Endrin ketone	10	U	U	10	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	7421-93-4	Endrin Aldehyde	10	U	U	10	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	5103-71-9	cis-Chlordane	0.43	JP	J	5.1	ug/kg	6100-SED03B

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG565	Sediment	04/19/2021	1.0	5103-74-2	trans-Chlordane	0.65	JP	J	5.1	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	8001-35-2	Toxaphene	510	U	U	510	ug/kg	6100-SED03B
BG566	Sediment	04/19/2021	1.0	319-84-6	alpha-BHC	4.8	U	U	4.8	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	319-85-7	beta-BHC	4.8	U	U	4.8	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	319-86-8	delta-BHC	4.8	U	U	4.8	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	58-89-9	gamma-BHC (Lindane)	4.8	U	U	4.8	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	76-44-8	Heptachlor	4.8	U	U	4.8	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	309-00-2	Aldrin	4.8	U	U	4.8	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	1024-57-3	Heptachlor epoxide	4.8	U	U	4.8	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	959-98-8	Endosulfan I	4.8	U	U	4.8	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	60-57-1	Dieldrin	9.4	U	U	9.4	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	72-55-9	4,4'-DDE	9.4	U	U	9.4	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	72-20-8	Endrin	9.4	U	U	9.4	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	33213-65-9	Endosulfan II	9.4	U	U	9.4	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	72-54-8	4,4'-DDD	9.4	U	U	9.4	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	1031-07-8	Endosulfan Sulfate	9.4	U	U	9.4	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	50-29-3	4,4'-DDT	9.4	U	U	9.4	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	72-43-5	Methoxychlor	48	U	U	48	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	53494-70-5	Endrin ketone	9.4	U	U	9.4	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	7421-93-4	Endrin Aldehyde	9.4	U	U	9.4	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	5103-71-9	cis-Chlordane	4.8	U	U	4.8	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	5103-74-2	trans-Chlordane	4.8	U	U	4.8	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	8001-35-2	Toxaphene	480	U	U	480	ug/kg	6100-SED03C
BG567	Sediment	04/19/2021	1.0	319-84-6	alpha-BHC	2.6	U	U	2.6	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	319-85-7	beta-BHC	2.6	U	U	2.6	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	319-86-8	delta-BHC	2.6	U	U	2.6	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	58-89-9	gamma-BHC (Lindane)	2.6	U	U	2.6	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	76-44-8	Heptachlor	2.6	U	U	2.6	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	309-00-2	Aldrin	2.6	U	U	2.6	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	1024-57-3	Heptachlor epoxide	2.6	U	U	2.6	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	959-98-8	Endosulfan I	2.6	U	U	2.6	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	60-57-1	Dieldrin	5.1	U	U	5.1	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	72-55-9	4,4'-DDE	1.2	JP	J	5.1	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	72-20-8	Endrin	5.1	U	U	5.1	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	33213-65-9	Endosulfan II	5.1	U	U	5.1	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	72-54-8	4,4'-DDD	0.79	JP	J	5.1	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	1031-07-8	Endosulfan Sulfate	5.1	U	U	5.1	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	50-29-3	4,4'-DDT	5.1	U	U	5.1	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	72-43-5	Methoxychlor	26	U	U	26	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	53494-70-5	Endrin ketone	5.1	U	U	5.1	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	7421-93-4	Endrin Aldehyde	5.1	U	U	5.1	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	5103-71-9	cis-Chlordane	2.6	U	U	2.6	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	5103-74-2	trans-Chlordane	2.6	U	U	2.6	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	8001-35-2	Toxaphene	260	U	U	260	ug/kg	6100-SED04A
BG568	Sediment	04/19/2021	1.0	319-84-6	alpha-BHC	3.3	U	U	3.3	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	319-85-7	beta-BHC	3.3	U	U	3.3	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	319-86-8	delta-BHC	0.57	JP	J	3.3	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	58-89-9	gamma-BHC (Lindane)	0.38	JP	J	3.3	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	76-44-8	Heptachlor	3.3	U	U	3.3	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	309-00-2	Aldrin	0.35	JP	J	3.3	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	1024-57-3	Heptachlor epoxide	3.3	U	U	3.3	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	959-98-8	Endosulfan I	3.3	U	U	3.3	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	60-57-1	Dieldrin	6.3	U	U	6.3	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	72-55-9	4,4'-DDE	5.8	JP	J	6.3	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	72-20-8	Endrin	6.3	U	U	6.3	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	33213-65-9	Endosulfan II	6.3	U	U	6.3	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	72-54-8	4,4'-DDD	44		J	6.3	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	1031-07-8	Endosulfan Sulfate	6.3	U	U	6.3	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	50-29-3	4,4'-DDT	6.3	U	U	6.3	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	72-43-5	Methoxychlor	33	U	U	33	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	53494-70-5	Endrin ketone	6.3	U	U	6.3	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	7421-93-4	Endrin Aldehyde	6.3	U	U	6.3	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	5103-71-9	cis-Chlordane	0.78	JP	J	3.3	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	5103-74-2	trans-Chlordane	2.4	J	J	3.3	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	8001-35-2	Toxaphene	330	U	U	330	ug/kg	6100-SED04B
BG569	Sediment	04/19/2021	1.0	319-84-6	alpha-BHC	4.7	U	U	4.7	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	319-85-7	beta-BHC	4.7	U	U	4.7	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	319-86-8	delta-BHC	4.7	U	U	4.7	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	58-89-9	gamma-BHC (Lindane)	4.7	U	U	4.7	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	76-44-8	Heptachlor	4.7	U	U	4.7	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	309-00-2	Aldrin	4.7	U	U	4.7	ug/kg	6100-SED04C

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG569	Sediment	04/19/2021	1.0	1024-57-3	Heptachlor epoxide	4.7	U	U	4.7	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	959-98-8	Endosulfan I	4.7	U	U	4.7	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	60-57-1	Dieldrin	9.1	U	U	9.1	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	72-55-9	4,4'-DDE	0.51	JP	J	9.1	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	72-20-8	Endrin	9.1	U	U	9.1	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	33213-65-9	Endosulfan II	0.63	JP	J	9.1	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	72-54-8	4,4'-DDD	0.51	JP	J	9.1	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	1031-07-8	Endosulfan Sulfate	9.1	U	U	9.1	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	50-29-3	4,4'-DDT	0.64	J	J	9.1	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	72-43-5	Methoxychlor	47	U	U	47	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	53494-70-5	Endrin ketone	9.1	U	U	9.1	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	7421-93-4	Endrin Aldehyde	9.1	U	U	9.1	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	5103-71-9	cis-Chlordane	4.7	U	U	4.7	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	5103-74-2	trans-Chlordane	4.7	U	U	4.7	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	8001-35-2	Toxaphene	470	U	U	470	ug/kg	6100-SED04C
BG570	Sediment	04/19/2021	1.0	319-84-6	alpha-BHC	4.0	U	U	4.0	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	319-85-7	beta-BHC	4.0	U	U	4.0	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	319-86-8	delta-BHC	0.95	JP	J	4.0	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	58-89-9	gamma-BHC (Lindane)	4.0	U	U	4.0	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	76-44-8	Heptachlor	4.0	U	U	4.0	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	309-00-2	Aldrin	4.0	U	U	4.0	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	1024-57-3	Heptachlor epoxide	4.0	U	U	4.0	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	959-98-8	Endosulfan I	4.0	U	U	4.0	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	60-57-1	Dieldrin	2.7	JP	J	7.8	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	72-55-9	4,4'-DDE	4.9	JP	J	7.8	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	72-20-8	Endrin	1.1	JP	J	7.8	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	33213-65-9	Endosulfan II	7.8	U	U	7.8	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	72-54-8	4,4'-DDD	4.3	JP	J	7.8	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	1031-07-8	Endosulfan Sulfate	0.63	JP	J	7.8	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	50-29-3	4,4'-DDT	7.8	U	U	7.8	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	72-43-5	Methoxychlor	40	U	U	40	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	53494-70-5	Endrin ketone	7.8	U	U	7.8	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	7421-93-4	Endrin Aldehyde	7.8	U	U	7.8	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	5103-71-9	cis-Chlordane	2.7	J	J	4.0	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	5103-74-2	trans-Chlordane	4.5			4.0	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	8001-35-2	Toxaphene	400	U	U	400	ug/kg	6100-SED05A
BG571	Sediment	04/19/2021	1.0	319-84-6	alpha-BHC	5.3	U	U	5.3	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	319-85-7	beta-BHC	5.3	U	U	5.3	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	319-86-8	delta-BHC	1.3	JP	J	5.3	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	58-89-9	gamma-BHC (Lindane)	5.3	U	U	5.3	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	76-44-8	Heptachlor	5.3	U	U	5.3	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	309-00-2	Aldrin	5.3	U	U	5.3	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	1024-57-3	Heptachlor epoxide	5.3	U	U	5.3	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	959-98-8	Endosulfan I	5.3	U	U	5.3	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	60-57-1	Dieldrin	0.96	JP	NJ	10	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	72-55-9	4,4'-DDE	2.1	JP	J	10	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	72-20-8	Endrin	0.88	JP	J	10	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	33213-65-9	Endosulfan II	10	U	U	10	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	72-54-8	4,4'-DDD	2.0	JP	J	10	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	1031-07-8	Endosulfan Sulfate	0.60	J	J	10	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	50-29-3	4,4'-DDT	10	U	U	10	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	72-43-5	Methoxychlor	53	U	U	53	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	53494-70-5	Endrin ketone	10	U	U	10	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	7421-93-4	Endrin Aldehyde	10	U	U	10	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	5103-71-9	cis-Chlordane	1.9	J	J	5.3	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	5103-74-2	trans-Chlordane	2.7	JP	J	5.3	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	8001-35-2	Toxaphene	530	U	U	530	ug/kg	6100-SED05B
BG572	Sediment	04/19/2021	1.0	319-84-6	alpha-BHC	5.2	U	U	5.2	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	319-85-7	beta-BHC	5.2	U	U	5.2	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	319-86-8	delta-BHC	5.2	U	U	5.2	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	58-89-9	gamma-BHC (Lindane)	5.2	U	U	5.2	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	76-44-8	Heptachlor	5.2	U	U	5.2	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	309-00-2	Aldrin	5.2	U	U	5.2	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	1024-57-3	Heptachlor epoxide	5.2	U	U	5.2	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	959-98-8	Endosulfan I	5.2	U	U	5.2	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	60-57-1	Dieldrin	10	U	U	10	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	72-55-9	4,4'-DDE	10	U	U	10	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	72-20-8	Endrin	10	U	U	10	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	33213-65-9	Endosulfan II	0.59	JP	J	10	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	72-54-8	4,4'-DDD	10	U	U	10	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	1031-07-8	Endosulfan Sulfate	10	U	U	10	ug/kg	6100-SED05C

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG572	Sediment	04/19/2021	1.0	50-29-3	4,4'-DDT	10	U	U	10	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	72-43-5	Methoxychlor	52	U	U	52	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	53494-70-5	Endrin ketone	10	U	U	10	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	7421-93-4	Endrin Aldehyde	10	U	U	10	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	5103-71-9	cis-Chlordane	5.2	U	U	5.2	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	5103-74-2	trans-Chlordane	5.2	U	U	5.2	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	8001-35-2	Toxaphene	520	U	U	520	ug/kg	6100-SED05C
PLCS896		04/29/2021	1.0	8001-35-2	Toxaphene	170	U	U	170	ug/kg	
PLCS896		04/29/2021	1.0	319-84-6	alpha-BHC	1.3	J	J	1.7	ug/kg	
PLCS896		04/29/2021	1.0	319-85-7	beta-BHC	1.3	J	J	1.7	ug/kg	
PLCS896		04/29/2021	1.0	319-86-8	delta-BHC	1.2	J	J	1.7	ug/kg	
PLCS896		04/29/2021	1.0	58-89-9	gamma-BHC (Lindane)	1.3	J	J	1.7	ug/kg	
PLCS896		04/29/2021	1.0	76-44-8	Heptachlor	1.2	J	J	1.7	ug/kg	
PLCS896		04/29/2021	1.0	309-00-2	Aldrin	1.2	J	J	1.7	ug/kg	
PLCS896		04/29/2021	1.0	1024-57-3	Heptachlor epoxide	1.3	J	J	1.7	ug/kg	
PLCS896		04/29/2021	1.0	959-98-8	Endosulfan I	1.3	J	J	1.7	ug/kg	
PLCS896		04/29/2021	1.0	60-57-1	Dieldrin	2.5	J	J	3.3	ug/kg	
PLCS896		04/29/2021	1.0	72-55-9	4,4'-DDE	2.4	J	J	3.3	ug/kg	
PLCS896		04/29/2021	1.0	72-20-8	Endrin	2.7	J	J	3.3	ug/kg	
PLCS896		04/29/2021	1.0	33213-65-9	Endosulfan II	2.6	J	J	3.3	ug/kg	
PLCS896		04/29/2021	1.0	72-54-8	4,4'-DDD	2.5	J	J	3.3	ug/kg	
PLCS896		04/29/2021	1.0	1031-07-8	Endosulfan Sulfate	2.5	J	J	3.3	ug/kg	
PLCS896		04/29/2021	1.0	50-29-3	4,4'-DDT	2.1	J	J	3.3	ug/kg	
PLCS896		04/29/2021	1.0	72-43-5	Methoxychlor	12	J	J	17	ug/kg	
PLCS896		04/29/2021	1.0	53494-70-5	Endrin ketone	2.5	J	J	3.3	ug/kg	
PLCS896		04/29/2021	1.0	7421-93-4	Endrin Aldehyde	2.7	J	J	3.3	ug/kg	
PLCS896		04/29/2021	1.0	5103-71-9	cis-Chlordane	1.2	J	J	1.7	ug/kg	
PLCS896		04/29/2021	1.0	5103-74-2	trans-Chlordane	1.3	J	J	1.7	ug/kg	
BG558MS	Sediment	04/19/2021	1.0	8001-35-2	Toxaphene	210	U	U	210	ug/kg	6100-SED01A
BG558MS	Sediment	04/19/2021	1.0	319-84-6	alpha-BHC	12	*		2.1	ug/kg	6100-SED01A
BG558MS	Sediment	04/19/2021	1.0	319-85-7	beta-BHC	12	*		2.1	ug/kg	6100-SED01A
BG558MS	Sediment	04/19/2021	1.0	319-86-8	delta-BHC	5.9	*		2.1	ug/kg	6100-SED01A
BG558MS	Sediment	04/19/2021	1.0	58-89-9	gamma-BHC (Lindane)	13			2.1	ug/kg	6100-SED01A
BG558MS	Sediment	04/19/2021	1.0	76-44-8	Heptachlor	13			2.1	ug/kg	6100-SED01A
BG558MS	Sediment	04/19/2021	1.0	309-00-2	Aldrin	13			2.1	ug/kg	6100-SED01A
BG558MS	Sediment	04/19/2021	1.0	1024-57-3	Heptachlor epoxide	12	*		2.1	ug/kg	6100-SED01A
BG558MS	Sediment	04/19/2021	1.0	959-98-8	Endosulfan I	13	*		2.1	ug/kg	6100-SED01A
BG558MS	Sediment	04/19/2021	1.0	60-57-1	Dieldrin	26			4.0	ug/kg	6100-SED01A
BG558MS	Sediment	04/19/2021	1.0	72-55-9	4,4'-DDE	25	*		4.0	ug/kg	6100-SED01A
BG558MS	Sediment	04/19/2021	1.0	72-20-8	Endrin	26			4.0	ug/kg	6100-SED01A
BG558MS	Sediment	04/19/2021	1.0	33213-65-9	Endosulfan II	26	*		4.0	ug/kg	6100-SED01A
BG558MS	Sediment	04/19/2021	1.0	72-54-8	4,4'-DDD	26	*		4.0	ug/kg	6100-SED01A
BG558MS	Sediment	04/19/2021	1.0	1031-07-8	Endosulfan Sulfate	22	*		4.0	ug/kg	6100-SED01A
BG558MS	Sediment	04/19/2021	1.0	50-29-3	4,4'-DDT	25			4.0	ug/kg	6100-SED01A
BG558MS	Sediment	04/19/2021	1.0	72-43-5	Methoxychlor	130	*		21	ug/kg	6100-SED01A
BG558MS	Sediment	04/19/2021	1.0	53494-70-5	Endrin ketone	26	*		4.0	ug/kg	6100-SED01A
BG558MS	Sediment	04/19/2021	1.0	7421-93-4	Endrin Aldehyde	25	*		4.0	ug/kg	6100-SED01A
BG558MS	Sediment	04/19/2021	1.0	5103-71-9	cis-Chlordane	12	*		2.1	ug/kg	6100-SED01A
BG558MS	Sediment	04/19/2021	1.0	5103-74-2	trans-Chlordane	12	*		2.1	ug/kg	6100-SED01A
BG558MSD	Sediment	04/19/2021	1.0	8001-35-2	Toxaphene	210	U	U	210	ug/kg	6100-SED01A
BG558MSD	Sediment	04/19/2021	1.0	319-84-6	alpha-BHC	12	*		2.1	ug/kg	6100-SED01A
BG558MSD	Sediment	04/19/2021	1.0	319-85-7	beta-BHC	12	*		2.1	ug/kg	6100-SED01A
BG558MSD	Sediment	04/19/2021	1.0	319-86-8	delta-BHC	5.7	*		2.1	ug/kg	6100-SED01A
BG558MSD	Sediment	04/19/2021	1.0	58-89-9	gamma-BHC (Lindane)	12			2.1	ug/kg	6100-SED01A
BG558MSD	Sediment	04/19/2021	1.0	76-44-8	Heptachlor	13			2.1	ug/kg	6100-SED01A
BG558MSD	Sediment	04/19/2021	1.0	309-00-2	Aldrin	13			2.1	ug/kg	6100-SED01A
BG558MSD	Sediment	04/19/2021	1.0	1024-57-3	Heptachlor epoxide	13	*		2.1	ug/kg	6100-SED01A
BG558MSD	Sediment	04/19/2021	1.0	959-98-8	Endosulfan I	13	*		2.1	ug/kg	6100-SED01A
BG558MSD	Sediment	04/19/2021	1.0	60-57-1	Dieldrin	26			4.0	ug/kg	6100-SED01A
BG558MSD	Sediment	04/19/2021	1.0	72-55-9	4,4'-DDE	25	*		4.0	ug/kg	6100-SED01A
BG558MSD	Sediment	04/19/2021	1.0	72-20-8	Endrin	27			4.0	ug/kg	6100-SED01A
BG558MSD	Sediment	04/19/2021	1.0	33213-65-9	Endosulfan II	27	*		4.0	ug/kg	6100-SED01A
BG558MSD	Sediment	04/19/2021	1.0	72-54-8	4,4'-DDD	27	*		4.0	ug/kg	6100-SED01A
BG558MSD	Sediment	04/19/2021	1.0	1031-07-8	Endosulfan Sulfate	22	*		4.0	ug/kg	6100-SED01A
BG558MSD	Sediment	04/19/2021	1.0	50-29-3	4,4'-DDT	26			4.0	ug/kg	6100-SED01A
BG558MSD	Sediment	04/19/2021	1.0	72-43-5	Methoxychlor	130	*		21	ug/kg	6100-SED01A
BG558MSD	Sediment	04/19/2021	1.0	53494-70-5	Endrin ketone	26	*		4.0	ug/kg	6100-SED01A
BG558MSD	Sediment	04/19/2021	1.0	7421-93-4	Endrin Aldehyde	26	*		4.0	ug/kg	6100-SED01A
BG558MSD	Sediment	04/19/2021	1.0	5103-71-9	cis-Chlordane	13	*		2.1	ug/kg	6100-SED01A
BG558MSD	Sediment	04/19/2021	1.0	5103-74-2	trans-Chlordane	12	*		2.1	ug/kg	6100-SED01A
PBLK896		04/29/2021	1.0	319-84-6	alpha-BHC	1.7	U	U	1.7	ug/kg	

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
PBLK896		04/29/2021	1.0	319-85-7	beta-BHC	1.7	U	U	1.7	ug/kg	
PBLK896		04/29/2021	1.0	319-86-8	delta-BHC	1.7	U	U	1.7	ug/kg	
PBLK896		04/29/2021	1.0	58-89-9	gamma-BHC (Lindane)	1.7	U	U	1.7	ug/kg	
PBLK896		04/29/2021	1.0	76-44-8	Heptachlor	1.7	U	U	1.7	ug/kg	
PBLK896		04/29/2021	1.0	309-00-2	Aldrin	1.7	U	U	1.7	ug/kg	
PBLK896		04/29/2021	1.0	1024-57-3	Heptachlor epoxide	1.7	U	U	1.7	ug/kg	
PBLK896		04/29/2021	1.0	959-98-8	Endosulfan I	1.7	U	U	1.7	ug/kg	
PBLK896		04/29/2021	1.0	60-57-1	Dieldrin	3.3	U	U	3.3	ug/kg	
PBLK896		04/29/2021	1.0	72-55-9	4,4'-DDE	3.3	U	U	3.3	ug/kg	
PBLK896		04/29/2021	1.0	72-20-8	Endrin	3.3	U	U	3.3	ug/kg	
PBLK896		04/29/2021	1.0	33213-65-9	Endosulfan II	3.3	U	U	3.3	ug/kg	
PBLK896		04/29/2021	1.0	72-54-8	4,4'-DDD	3.3	U	U	3.3	ug/kg	
PBLK896		04/29/2021	1.0	1031-07-8	Endosulfan Sulfate	3.3	U	U	3.3	ug/kg	
PBLK896		04/29/2021	1.0	50-29-3	4,4'-DDT	3.3	U	U	3.3	ug/kg	
PBLK896		04/29/2021	1.0	72-43-5	Methoxychlor	17	U	U	17	ug/kg	
PBLK896		04/29/2021	1.0	53494-70-5	Endrin ketone	3.3	U	U	3.3	ug/kg	
PBLK896		04/29/2021	1.0	7421-93-4	Endrin Aldehyde	3.3	U	U	3.3	ug/kg	
PBLK896		04/29/2021	1.0	5103-71-9	cis-Chlordane	1.7	U	U	1.7	ug/kg	
PBLK896		04/29/2021	1.0	5103-74-2	trans-Chlordane	1.7	U	U	1.7	ug/kg	
PBLK896		04/29/2021	1.0	8001-35-2	Toxaphene	170	U	U	170	ug/kg	
BG4Z8	Sediment	04/15/2021	1.0	12674-11-2	Aroclor-1016	76	U	U	76	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	11104-28-2	Aroclor-1221	76	U	U	76	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	11141-16-5	Aroclor-1232	76	U	U	76	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	53469-21-9	Aroclor-1242	76	U	U	76	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	12672-29-6	Aroclor-1248	27	J	J	76	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	11097-69-1	Aroclor-1254	34	J	J	76	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	11096-82-5	Aroclor-1260	76	U	U	76	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	37324-23-5	Aroclor-1262	76	U	U	76	ug/kg	6100-SED21A
BG4Z8	Sediment	04/15/2021	1.0	11100-14-4	Aroclor-1268	76	U	U	76	ug/kg	6100-SED21A
BG558	Sediment	04/19/2021	1.0	12674-11-2	Aroclor-1016	40	U	U	40	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	11104-28-2	Aroclor-1221	40	U	U	40	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	11141-16-5	Aroclor-1232	40	U	U	40	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	53469-21-9	Aroclor-1242	40	U	U	40	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	12672-29-6	Aroclor-1248	40	U	U	40	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	11097-69-1	Aroclor-1254	40	U	U	40	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	11096-82-5	Aroclor-1260	40	U	U	40	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	37324-23-5	Aroclor-1262	40	U	U	40	ug/kg	6100-SED01A
BG558	Sediment	04/19/2021	1.0	11100-14-4	Aroclor-1268	40	U	U	40	ug/kg	6100-SED01A
BG559	Sediment	04/19/2021	1.0	12674-11-2	Aroclor-1016	40	U	U	40	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	11104-28-2	Aroclor-1221	40	U	U	40	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	11141-16-5	Aroclor-1232	40	U	U	40	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	53469-21-9	Aroclor-1242	40	U	U	40	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	12672-29-6	Aroclor-1248	40	U	U	40	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	11097-69-1	Aroclor-1254	40	U	U	40	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	11096-82-5	Aroclor-1260	40	U	U	40	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	37324-23-5	Aroclor-1262	40	U	U	40	ug/kg	6100-SED01B
BG559	Sediment	04/19/2021	1.0	11100-14-4	Aroclor-1268	40	U	U	40	ug/kg	6100-SED01B
BG560	Sediment	04/19/2021	1.0	12674-11-2	Aroclor-1016	41	U	U	41	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	11104-28-2	Aroclor-1221	41	U	U	41	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	11141-16-5	Aroclor-1232	41	U	U	41	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	53469-21-9	Aroclor-1242	41	U	U	41	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	12672-29-6	Aroclor-1248	41	U	U	41	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	11097-69-1	Aroclor-1254	41	U	U	41	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	11096-82-5	Aroclor-1260	41	U	U	41	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	37324-23-5	Aroclor-1262	41	U	U	41	ug/kg	6100-SED01C
BG560	Sediment	04/19/2021	1.0	11100-14-4	Aroclor-1268	41	U	U	41	ug/kg	6100-SED01C
BG561	Sediment	04/19/2021	1.0	12674-11-2	Aroclor-1016	65	U	U	65	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	11104-28-2	Aroclor-1221	65	U	U	65	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	11141-16-5	Aroclor-1232	65	U	U	65	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	53469-21-9	Aroclor-1242	65	U	U	65	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	12672-29-6	Aroclor-1248	65	U	U	65	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	11097-69-1	Aroclor-1254	65	U	U	65	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	11096-82-5	Aroclor-1260	65	U	U	65	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	37324-23-5	Aroclor-1262	65	U	U	65	ug/kg	6100-SED02A
BG561	Sediment	04/19/2021	1.0	11100-14-4	Aroclor-1268	65	U	U	65	ug/kg	6100-SED02A
BG562	Sediment	04/19/2021	1.0	12674-11-2	Aroclor-1016	62	U	U	62	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	11104-28-2	Aroclor-1221	62	U	U	62	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	11141-16-5	Aroclor-1232	62	U	U	62	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	53469-21-9	Aroclor-1242	62	U	U	62	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	12672-29-6	Aroclor-1248	48	J	J	62	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	11097-69-1	Aroclor-1254	21	J	J	62	ug/kg	6100-SED02B

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG562	Sediment	04/19/2021	1.0	11096-82-5	Aroclor-1260	62	U	U	62	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	37324-23-5	Aroclor-1262	62	U	U	62	ug/kg	6100-SED02B
BG562	Sediment	04/19/2021	1.0	11100-14-4	Aroclor-1268	62	U	U	62	ug/kg	6100-SED02B
BG563	Sediment	04/19/2021	1.0	12674-11-2	Aroclor-1016	46	U	U	46	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	11104-28-2	Aroclor-1221	46	U	U	46	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	11141-16-5	Aroclor-1232	46	U	U	46	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	53469-21-9	Aroclor-1242	46	U	U	46	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	12672-29-6	Aroclor-1248	9.3	JP	J	46	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	11097-69-1	Aroclor-1254	46	U	U	46	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	11096-82-5	Aroclor-1260	46	U	U	46	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	37324-23-5	Aroclor-1262	46	U	U	46	ug/kg	6100-SED02C
BG563	Sediment	04/19/2021	1.0	11100-14-4	Aroclor-1268	46	U	U	46	ug/kg	6100-SED02C
BG564	Sediment	04/19/2021	1.0	12674-11-2	Aroclor-1016	66	U	U	66	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	11104-28-2	Aroclor-1221	66	U	U	66	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	11141-16-5	Aroclor-1232	66	U	U	66	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	53469-21-9	Aroclor-1242	66	U	U	66	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	12672-29-6	Aroclor-1248	66	U	U	66	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	11097-69-1	Aroclor-1254	66	U	U	66	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	11096-82-5	Aroclor-1260	66	U	U	66	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	37324-23-5	Aroclor-1262	66	U	U	66	ug/kg	6100-SED03A
BG564	Sediment	04/19/2021	1.0	11100-14-4	Aroclor-1268	66	U	U	66	ug/kg	6100-SED03A
BG565	Sediment	04/19/2021	1.0	12674-11-2	Aroclor-1016	99	U	U	99	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	11104-28-2	Aroclor-1221	99	U	U	99	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	11141-16-5	Aroclor-1232	99	U	U	99	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	53469-21-9	Aroclor-1242	99	U	U	99	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	12672-29-6	Aroclor-1248	39	J	J	99	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	11097-69-1	Aroclor-1254	26	J	J	99	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	11096-82-5	Aroclor-1260	99	U	U	99	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	37324-23-5	Aroclor-1262	99	U	U	99	ug/kg	6100-SED03B
BG565	Sediment	04/19/2021	1.0	11100-14-4	Aroclor-1268	99	U	U	99	ug/kg	6100-SED03B
BG566	Sediment	04/19/2021	1.0	12674-11-2	Aroclor-1016	94	U	U	94	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	11104-28-2	Aroclor-1221	94	U	U	94	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	11141-16-5	Aroclor-1232	94	U	U	94	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	53469-21-9	Aroclor-1242	94	U	U	94	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	12672-29-6	Aroclor-1248	94	U	U	94	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	11097-69-1	Aroclor-1254	94	U	U	94	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	11096-82-5	Aroclor-1260	94	U	U	94	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	37324-23-5	Aroclor-1262	94	U	U	94	ug/kg	6100-SED03C
BG566	Sediment	04/19/2021	1.0	11100-14-4	Aroclor-1268	94	U	U	94	ug/kg	6100-SED03C
BG567	Sediment	04/19/2021	1.0	12674-11-2	Aroclor-1016	51	U	U	51	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	11104-28-2	Aroclor-1221	51	U	U	51	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	11141-16-5	Aroclor-1232	51	U	U	51	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	53469-21-9	Aroclor-1242	51	U	U	51	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	12672-29-6	Aroclor-1248	51	U	U	51	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	11097-69-1	Aroclor-1254	51	U	U	51	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	11096-82-5	Aroclor-1260	51	U	U	51	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	37324-23-5	Aroclor-1262	51	U	U	51	ug/kg	6100-SED04A
BG567	Sediment	04/19/2021	1.0	11100-14-4	Aroclor-1268	51	U	U	51	ug/kg	6100-SED04A
BG568	Sediment	04/19/2021	1.0	12674-11-2	Aroclor-1016	64	U	U	64	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	11104-28-2	Aroclor-1221	64	U	U	64	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	11141-16-5	Aroclor-1232	64	U	U	64	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	53469-21-9	Aroclor-1242	64	U	U	64	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	12672-29-6	Aroclor-1248	21	J	J	64	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	11097-69-1	Aroclor-1254	14	JP	J	64	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	11096-82-5	Aroclor-1260	64	U	U	64	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	37324-23-5	Aroclor-1262	64	U	U	64	ug/kg	6100-SED04B
BG568	Sediment	04/19/2021	1.0	11100-14-4	Aroclor-1268	64	U	U	64	ug/kg	6100-SED04B
BG569	Sediment	04/19/2021	1.0	12674-11-2	Aroclor-1016	91	U	U	91	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	11104-28-2	Aroclor-1221	91	U	U	91	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	11141-16-5	Aroclor-1232	91	U	U	91	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	53469-21-9	Aroclor-1242	91	U	U	91	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	12672-29-6	Aroclor-1248	91	U	U	91	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	11097-69-1	Aroclor-1254	91	U	U	91	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	11096-82-5	Aroclor-1260	91	U	U	91	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	37324-23-5	Aroclor-1262	91	U	U	91	ug/kg	6100-SED04C
BG569	Sediment	04/19/2021	1.0	11100-14-4	Aroclor-1268	91	U	U	91	ug/kg	6100-SED04C
BG570	Sediment	04/19/2021	1.0	12674-11-2	Aroclor-1016	78	U	U	78	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	11104-28-2	Aroclor-1221	78	U	U	78	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	11141-16-5	Aroclor-1232	78	U	U	78	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	53469-21-9	Aroclor-1242	78	U	U	78	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	12672-29-6	Aroclor-1248	50	J	J	78	ug/kg	6100-SED05A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG570	Sediment	04/19/2021	1.0	11097-69-1	Aroclor-1254	40	JP	J	78	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	11096-82-5	Aroclor-1260	78	U	U	78	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	37324-23-5	Aroclor-1262	78	U	U	78	ug/kg	6100-SED05A
BG570	Sediment	04/19/2021	1.0	11100-14-4	Aroclor-1268	78	U	U	78	ug/kg	6100-SED05A
BG571	Sediment	04/19/2021	1.0	12674-11-2	Aroclor-1016	100	U	U	100	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	11104-28-2	Aroclor-1221	100	U	U	100	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	11141-16-5	Aroclor-1232	100	U	U	100	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	53469-21-9	Aroclor-1242	100	U	U	100	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	12672-29-6	Aroclor-1248	71	J	J	100	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	11097-69-1	Aroclor-1254	33	J	J	100	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	11096-82-5	Aroclor-1260	100	U	U	100	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	37324-23-5	Aroclor-1262	100	U	U	100	ug/kg	6100-SED05B
BG571	Sediment	04/19/2021	1.0	11100-14-4	Aroclor-1268	100	U	U	100	ug/kg	6100-SED05B
BG572	Sediment	04/19/2021	1.0	12674-11-2	Aroclor-1016	100	U	U	100	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	11104-28-2	Aroclor-1221	100	U	U	100	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	11141-16-5	Aroclor-1232	100	U	U	100	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	53469-21-9	Aroclor-1242	100	U	U	100	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	12672-29-6	Aroclor-1248	100	U	U	100	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	11097-69-1	Aroclor-1254	100	U	U	100	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	11096-82-5	Aroclor-1260	100	U	U	100	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	37324-23-5	Aroclor-1262	100	U	U	100	ug/kg	6100-SED05C
BG572	Sediment	04/19/2021	1.0	11100-14-4	Aroclor-1268	100	U	U	100	ug/kg	6100-SED05C
ALCS916		04/23/2021	1.0	11104-28-2	Aroclor-1221	33	U	U	33	ug/kg	
ALCS916		04/23/2021	1.0	11141-16-5	Aroclor-1232	33	U	U	33	ug/kg	
ALCS916		04/23/2021	1.0	53469-21-9	Aroclor-1242	33	U	U	33	ug/kg	
ALCS916		04/23/2021	1.0	12672-29-6	Aroclor-1248	33	U	U	33	ug/kg	
ALCS916		04/23/2021	1.0	11097-69-1	Aroclor-1254	33	U	U	33	ug/kg	
ALCS916		04/23/2021	1.0	37324-23-5	Aroclor-1262	33	U	U	33	ug/kg	
ALCS916		04/23/2021	1.0	11100-14-4	Aroclor-1268	33	U	U	33	ug/kg	
ALCS916		04/23/2021	1.0	12674-11-2	Aroclor-1016	38			33	ug/kg	
ALCS916		04/23/2021	1.0	11096-82-5	Aroclor-1260	41			33	ug/kg	
BG558MS	Sediment	04/19/2021	1.0	11104-28-2	Aroclor-1221	40	U	U	40	ug/kg	6100-SED01A
BG558MS	Sediment	04/19/2021	1.0	11141-16-5	Aroclor-1232	40	U	U	40	ug/kg	6100-SED01A
BG558MS	Sediment	04/19/2021	1.0	53469-21-9	Aroclor-1242	40	U	U	40	ug/kg	6100-SED01A
BG558MS	Sediment	04/19/2021	1.0	12672-29-6	Aroclor-1248	40	U	U	40	ug/kg	6100-SED01A
BG558MS	Sediment	04/19/2021	1.0	11097-69-1	Aroclor-1254	40	U	U	40	ug/kg	6100-SED01A
BG558MS	Sediment	04/19/2021	1.0	37324-23-5	Aroclor-1262	40	U	U	40	ug/kg	6100-SED01A
BG558MS	Sediment	04/19/2021	1.0	11100-14-4	Aroclor-1268	40	U	U	40	ug/kg	6100-SED01A
BG558MS	Sediment	04/19/2021	1.0	12674-11-2	Aroclor-1016	160			40	ug/kg	6100-SED01A
BG558MS	Sediment	04/19/2021	1.0	11096-82-5	Aroclor-1260	150			40	ug/kg	6100-SED01A
BG558MSD	Sediment	04/19/2021	1.0	11104-28-2	Aroclor-1221	40	U	U	40	ug/kg	6100-SED01A
BG558MSD	Sediment	04/19/2021	1.0	11141-16-5	Aroclor-1232	40	U	U	40	ug/kg	6100-SED01A
BG558MSD	Sediment	04/19/2021	1.0	53469-21-9	Aroclor-1242	40	U	U	40	ug/kg	6100-SED01A
BG558MSD	Sediment	04/19/2021	1.0	12672-29-6	Aroclor-1248	40	U	U	40	ug/kg	6100-SED01A
BG558MSD	Sediment	04/19/2021	1.0	11097-69-1	Aroclor-1254	40	U	U	40	ug/kg	6100-SED01A
BG558MSD	Sediment	04/19/2021	1.0	37324-23-5	Aroclor-1262	40	U	U	40	ug/kg	6100-SED01A
BG558MSD	Sediment	04/19/2021	1.0	11100-14-4	Aroclor-1268	40	U	U	40	ug/kg	6100-SED01A
BG558MSD	Sediment	04/19/2021	1.0	12674-11-2	Aroclor-1016	160			40	ug/kg	6100-SED01A
BG558MSD	Sediment	04/19/2021	1.0	11096-82-5	Aroclor-1260	150			40	ug/kg	6100-SED01A
ABLK916		04/23/2021	1.0	12674-11-2	Aroclor-1016	33	U	U	33	ug/kg	
ABLK916		04/23/2021	1.0	11104-28-2	Aroclor-1221	33	U	U	33	ug/kg	
ABLK916		04/23/2021	1.0	11141-16-5	Aroclor-1232	33	U	U	33	ug/kg	
ABLK916		04/23/2021	1.0	53469-21-9	Aroclor-1242	33	U	U	33	ug/kg	
ABLK916		04/23/2021	1.0	12672-29-6	Aroclor-1248	33	U	U	33	ug/kg	
ABLK916		04/23/2021	1.0	11097-69-1	Aroclor-1254	33	U	U	33	ug/kg	
ABLK916		04/23/2021	1.0	11096-82-5	Aroclor-1260	33	U	U	33	ug/kg	
ABLK916		04/23/2021	1.0	37324-23-5	Aroclor-1262	33	U	U	33	ug/kg	
ABLK916		04/23/2021	1.0	11100-14-4	Aroclor-1268	33	U	U	33	ug/kg	

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
LSASD/HWSB/HWSS
2890 Woodbridge Avenue, Edison, NJ 08837

EXECUTIVE NARRATIVE

Case No.: 49391
Site: Coney Island Creek
Number of Samples: 16 (Sediment), 1 (Water)
Analysis: VOA, SVOA, PEST, ARO

SDG No.: BG501
Laboratory: Chemtech Consulting Group
Sampling dates: 04/20/2021
Validation SOP: HW-33A (Rev 1), HW-35A (Rev 1), HW-36A (Rev 1), HW-37A (Rev 0)

QAPP:
Contractor: Weston Solutions, Inc
Reference: DCN: SAT-V.6102.0022, April 1, 2021

SUMMARY OF DEFINITIONS:
Critical: Results have an unacceptable level of uncertainty and should not be used for making decisions. Data have been qualified "R" rejected.
Major: A level of uncertainty exists that may not meet the data quality objectives for the project. A bias is likely to be present in the results. Data has been qualified "J" estimated. "J+" and "J-" represent likely direction of the bias.
Minor: The level of uncertainty is acceptable. No significant bias in the data was observed.

Critical Findings:
VOA: Benzene has been qualified "R" in sample BG547 as the DMC percent recovery value is less than the expanded minimum criteria

Major Findings:
The following samples have analytes that have been qualified "J", "J+" or "J-".
VOA: All samples.
SVOA: BG509, BG512
PEST: BG509, BG512
ARO: BG512

Minor Findings:
One or more analytes in one or more samples are qualified "J" due to results between MDL and CRQL.

COMMENTS:	**SVOA:** One or more non-detected analytes exceeded the project action levels for one or more samples.

Reviewer Name(s): Raxa J. Shelley/Archana Mirle

Approver's Signature:

Date: 06/16/2021

Name: **Narendra Kumar**

Affiliation: USEPA/R2/HWSB/HWSS

Data Qualifier Definitions (National Functional Guidelines)			
Qualifier Symbol	**Explanation**		
	INORGANICS	**ORGANICS**	**CHLORINATED DIOXIN/FURAN**
U	The analyte was analyzed for, but was not detected above the level of the reported quantitation limit.	The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted Contract Required Quantitation Limit (CRQL) for sample and method	The analyte was analyzed for but not detected. The value preceding the "U" may represent the adjusted Contract Required Quantitation Limit (see DLM02.X, Exhibit D, Section 1.2 and Table 2), or the sample specific estimated detection limit (EDL, see Method 8290A, Section 11.9.5).
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to an issue with the quality of the data generated because certain QC criteria were not met, or the concentration of the analyte was below the adjusted CRQL).
J+	The result is an estimated quantity, but the result may be biased high.	The result is an estimated quantity, but the result may be biased high.	
J–	The result is an estimated quantity, but the result may be biased low.	The result is an estimated quantity, but the result may be biased low.	
UJ	The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.	The analyte was not detected at a level greater than or equal to the adjusted CRQL. However, the reported adjusted CRQL is approximate and may be inaccurate or imprecise.	The analyte was not detected (see definition of "U" flag, above). The reported value should be considered approximate.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
N		The analysis indicates the presence of an analyte for which there is presumptive evidence to make a “tentative identification”.	
NJ		The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	
C		This qualifier applies to pesticide and Aroclor results when the identification has been confirmed by Gas Chromatograph/Mass Spectrometer (GC/MS).	
X		This qualifier applies to pesticide and Aroclor results when GC/MS analysis was attempted but was unsuccessful.	

DATA ASSESSMENT

ANALYSIS: VOA

The current SOP HW-33A (Rev 1) September 2016, USEPA Region II for the evaluation of Volatile organic data, and all related Change Request Forms (CRF) for this SOP, generated through Statement of Work SFAM01.1, and any future editorial revisions of SFAM01.1 has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report. Tentatively Identified Compounds (TICs) for VOA organic fraction is not validated.

1. HOLDING TIME AND PRESERVATION:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". The non-detects (sample quantitation limits) will be flagged as estimated, "J", or unusable, "R", if the holding times are grossly exceeded. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. DEUTERATED MONITORING COMPOUNDS (DMC's):

All samples are spiked with DMC compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured DMC recovery limits were outside Table 6 of the SOP HW-33A (Rev 1) qualifications were applied as per Table 7 SOP HW-33A (Rev 1) to all the samples and analytes as shown below.

The following samples have DMC percent recovery values less than the primary lower limit but greater than or equal to the expanded lower limit of the criteria window. Detected compounds are qualified J-. Non-detected compounds are qualified UJ.

1,1-Dichloroethene-d2 BG501, BG502, BG503, BG504, BG505, BG506, BG507, BG508, BG509, BG510, BG511, BG512, BG512RE, BG513, BG573, BG574, BG575

trans-1,2-Dichloroethene, cis-1,2-Dichloroethene, 1,1-Dichloroethene

1,2-Dichloroethane-d4 BG504, BG512
Trichlorofluromethane, 1,1,2-Trichloro-1,2,2-trifluoroethane, Methyl acetate, Methylene chloride, Methyl-tert-butyl ether, 1,1,1-Trichloroethane, Carbon tetrachloride, 1,2-Dibromoethane, 1,2-Dichloroethane

1,2-Dichlorobenzene-d4 BG504
Chlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2-Dichlorobenzene, 1,2,4-Trichlorobenzene, 1,2,3-Trichlorobenzene

The following sample has DMC percent recovery values less than the expanded minimum criteria. Detected compounds are qualified J-. Non-detected compounds are qualified R.

Benzene-d6 BG547
Benzene

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD):

MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

Not applicable.

4. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, trip, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the amount of contamination present in the QA blanks, the analytes are qualified as per Table 5 of SOP HW-33A (Rev 1).

A) Method blank contamination:

No additional qualification required due to method blank contamination.

B) Field or rinse blank contamination: BG547

The following samples have common contaminant analyte concentrations reported less than 2x the CRQL. The associated rinse blank has common contaminant analyte concentration less than 2x the CRQL. Detected compounds are qualified U. Non-detected compounds are not qualified. Sample concentrations have been reported at the CRQLs.

Acetone BG501, BG502, BG503, BG504, BG505, BG506, BG507, BG508, BG573, BG574, BG575

C) Trip blank contamination:

Not applicable.

D) Storage Blank associated with VOA samples only:

The following samples have common contaminant analyte concentrations reported less than 2x the CRQL. The associated storage blank has common contaminant analyte concentration less than 2x the CRQL. Detected compounds are qualified U. Non-detected compounds are not qualified. Sample concentrations have been reported at the CRQL.

Methylene chloride BG501, BG502, BG504, BG505, BG506, BG507, BG508, BG509, BG510, BG511, BG512 , BG512RE, BG513, BG573, BG574, BG575

The following sample has analyte concentrations reported less than the CRQL. The associated storage blank concentration is less than the CRQL. Detected compounds are qualified U. Non-detected compounds are not qualified. Sample concentrations have been reported at the CRQLs.

Toluene BG512RE

E) Tentatively Identified Compounds:

Tentatively Identified Compounds (TICs) for VOA organic fractions are not validated.

5. MASS SPECTROMETER TUNING:

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for volatile organics is (BFB) Bromofluorobenzene. If the mass calibration is in error, all associated data will be classified as unusable "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:

The response factor measures the instrument's response to specific chemical compounds. All analytes for initial calibration, ICV and continuing calibration should meet the minimum RRF criteria as listed in Table 2 of SOP HW-33A (Rev 1). If RRF is less than minimum RRF specified in Table 2 for all target analytes, use professional judgment and all detects in the sample will be qualified as "J+" or "R". All non-detects for that compound will be rejected "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration.

Percent RSD must be less than maximum %RSD in Table 2 of SOP HW-33A (Rev 1) for all target analytes. For the Initial Calibration Verification ICV/opening or closing CCV %D must be within the inclusive opening or closing maximum %D limits as listed in Table 2 of SOP HW-33A (Rev 1) for all Target compounds. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and Non-detects are flagged "UJ" for %D values outside criteria only. If %RSD exceeds QC criteria, detects may be qualified as "J" and use professional

judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

The following analytes in the sample shown were qualified for %RSD and %D:

The following samples are associated with an opening or closing CCV percent difference (%D) outside criteria. Detected compounds are qualified J. Non-detected compounds are qualified UJ.

Chloromethane BG501, BG502, BG503, BG504, BG505, BG506, BG507, BG508, BG509, BG510, BG511, BG512, BG512RE, BG513, BG573, BG574, BG575

Bromomethane BG501, BG502, BG573, BG574, BG512RE, BG504

Trichlorofluoromethane BG503, BG575

7. INTERNAL STANDARDS PERFORMANCE GC/MS:

Internal standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must be in the range as specified in Table 9 of SOP HW-33A (Rev 1) of the associated continuing calibration internal standard area. The retention time of the internal standards must be within the range as specified in Table 9 of SOP HW-33A (Rev 1). If the area count is greater than, all positive results quantitated using that IS are qualified as estimated "J-", and non-detects are not qualified. If the area count is less than the associated standard, all positive results for compounds quantitated with that IS are qualified as estimated "J+" and all non-detects are qualified "R".

If an internal standard retention time were not met as specified in Table 9 of SOP HW-33A (Rev 1), the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample fraction. Qualifications were applied to the samples and analytes as shown below.

The following samples have internal standard area response greater than or equal to expanded minimum criteria and less than primary minimum criteria. Detects are qualified as estimated J+. Non-detects are qualified as estimated UJ.

1,4-Dichlorobenzene-d4 BG512, BG512RE
1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-chloropropane, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Bromoform, Isopropylbenzene, 1,2,4- Trimethylbenzene, 1,3,5-Trimethylbenzene, 1,2,3-Trichloropropane

8. FIELD DUPLICATES: BG510/BG513

No problems were found for this criterion.

9. COMPOUND IDENTIFICATION:

Target compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within a window of 0.06 RRT units of the standard compound and have ion spectra which has a ratio of the primary and secondary m/z intensities within 20% of that in the standard compound. For the

tentatively identified compounds (TIC) the ion spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

10. CONTRACT PROBLEMS NON-COMPLIANCE:

None.

11. FIELD DOCUMENTATION:

No problems were identified.

12. OTHER PROBLEMS:

The following soil samples have percent solids greater than or equal to 10% but less than or equal to 30%. Detects are qualified J. Non-detects are qualified UJ.

BG512, BG512RE, BG512ME

13. DILUTIONS, RE-EXTRACTIONS & REANALYSIS:

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are used. See summary report and EDD for applicable samples and analytes.

The following samples were not used.
BG512, BG512ME

ANALYSIS: SVOA

The current SOP HW-35A (Rev 1) September 2016, USEPA Region II for the evaluation of Semi-Volatile organic data, and all related Change Request Forms (CRF) for this SOP, generated through Statement of Work SFAM01.1, and any future editorial revisions of SFAM01.1 has been applied. Data has been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report. Tentatively Identified Compounds (TICs) for BNA organic fraction is not validated.

1. HOLDING TIME AND PRESERVATION:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded, qualifications will be applied as per SOP HW-35A (Rev 1).

No problems were found for this criterion.

2. DEUTERATED MONITORING COMPOUNDS (DMCs):

All samples are spiked with DMC compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured DMC recovery limits were outside Table 6 of SOP HW-35A (Rev 1), qualifications were applied as per Table 7 of SOP HW-35A (Rev 1) to all the samples and analytes as shown below.

The following sample has DMC percent recoveries less than the primary lower limit but greater than or equal to the expanded lower limit of the criteria window. Detected compounds are qualified J-. Non-detected compounds are qualified UJ.

4-Nitrophenol-d4 BG509
2-Nitroaniline, 3-Nitroaniline, 2,4-Dinitrophenol, 4-Nitrophenol, 4-Nitroaniline

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATES (MS/MSD):

MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

Not applicable.

4. LABORATORY CONTROL RECOVERY (LCS):

LCS data is generated to determine the long-term precision and accuracy of the analytical method. The LCS may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

5. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, trip, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the amount of contamination present in the QA blanks, the analytes are qualified as per Table 5 of SOP HW-35A (Rev 1).

A) Method blank contamination:

No problems were found for this criterion.

B) Field or rinse blank contamination: BG547

The following samples have analyte concentrations reported less than the CRQL. The associated rinse blank concentration is less than the CRQL. Detected compounds are qualified U. Non-detected compounds are not qualified. Sample concentrations have been reported at the CRQLs.

Phenol BG501, BG502, BG503, BG504, BG505, BG506, BG507, BG508, BG509, BG510, BG511, BG512, BG513, BG573, BG574, BG575

C) Tentatively Identified Compounds:

Tentatively Identified Compounds (TICs) for BNA organic fraction are not validated.

6. MASS SPECTROMETER TUNING:

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for Semi-volatiles is Decafluorotriphenyl-phosphine (DFTPP). If the mass calibration is in error, all associated data will be classified as unusable "R".

No problems were found for this criterion.

7. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:

The response factor measures the instrument's response to specific chemical compounds. All analytes for initial calibration, ICV and continuing calibration should meet the minimum RRF criteria as listed in Table 2 of SOP HW-35A (Rev 1). If RRF is less than minimum RRF as specified in Table 2 for all target analytes, use professional judgment and all detects in the sample will be qualified as "J+" or "R". All non-detects for that compound will be rejected "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration. Percent D is a measure of the instrument's daily performance.

Percent RSD must be less than maximum %RSD in Table 2 of SOP HW-35A (Rev 1) for all target analytes. For the ICV/opening or closing CCV %D must be within the inclusive opening or closing maximum %D limits as listed in Table 2 of SOP HW-35A (Rev 1) for all Target compounds. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and Non-detects are flagged "UJ" for %D values outside criteria only. If %RSD exceeds QC

criteria, detects may be qualified as "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

The following analytes in the sample shown were qualified for %RSD and %D:

The following samples are associated with an initial calibration percent relative standard deviation (%RSD) outside criteria. Detected compounds are qualified J. Non-detected compounds are not qualified.

2-Nitroaniline BG501, BG502, BG503, BG504, BG505, BG506, BG507, BG508, BG509, BG510, BG511, BG512, BG513, BG573, BG574, BG575

8. INTERNAL STANDARDS PERFORMANCE GC/MS:

Internal standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must be in the range as specified in Table 10 of SOP HW-35A (Rev 1) of the associated continuing calibration internal standard area. The retention time of the internal standards must be within the range as specified in Table 10 of SOP HW-35A (Rev 1). If the area count is greater than, all positive results quantitated using that IS are qualified as estimated "J-", and non-detects are not qualified. If the area count is less than the associated standard, all positive results for compounds quantitated with that IS are qualified as estimated "J+" and all non-detects are qualified "R".

If an internal standard retention time were not met as specified in Table 10 of SOP HW-35A (Rev 1), the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample fraction. Qualifications were applied to the samples and analytes as shown below. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

9. FIELD DUPLICATES: BG510/BG513

No problems were found for this criterion.

10. COMPOUND IDENTIFICATION:

TCL compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within 0.06 RRT units of the standard compound and have ion spectra which have a ratio of the primary and secondary m/e intensities within 20% of that in the standard compound. For the tentatively identified compounds (TIC) the ion spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

11. CONTRACT PROBLEMS NON-COMPLIANCE:

Initial calibration percent relative standard deviation (%RSD) is outside criteria for the following analyte.
2-Nitroaniline

12. FIELD DOCUMENTATION:

No problems were identified.

13. OTHER PROBLEMS:

The following soil sample has percent solids greater than or equal to 10% but less than or equal to 30%. Detects are qualified J. Non-detects are qualified UJ.

BG512

14. DILUTIONS, RE-EXTRACTIONS and REANALYSIS:

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are used. See summary report and EDD for applicable samples and analytes.

ANALYSIS: PEST

The current SOP HW-36A (Rev 1) October 2016, USEPA Region II for the evaluation of Pesticides data, and all related Change Request Forms (CRF) for this SOP, generated through Statement of Work SFAM01.1, and any future editorial revisions of SFAM01.1 has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report.

1. HOLDING TIME AND PRESERVATION:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". Use professional judgment to qualify the non-detects (sample quantitation limits), if the holding times are grossly exceeded. If the holding times are grossly exceeded. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. SURROGATES:

All samples are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured surrogate recovery were outside Table 7 of the SOP HW-36A (Rev 1), qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD):

MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

4. LABORATORY CONTROL RECOVERY (LCS):

LCS data is generated to determine the long-term precision and accuracy of the analytical method. The LCS may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

5. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the concentration of the analyte in the blank, the analytes are qualified as non-detects, "U". Qualifications were applied to the samples and analytes as shown below.

A) Method/Instrument blank contamination:

No problems were found for this criterion.

B) Field or rinse blank contamination: BG547

No problems were found for this criterion.

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):
If %RSD exceeds 20% for all analytes except alpha-BHC and delta-BHC 25%, for the two surrogates and Toxaphene 30%, qualify all associated positive results "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) The Percent Difference (%D) for each of the SCP in the PEM used for CCV must be within ±25.0%. The Percent Difference (%D) for target analyte in the Calibration Verification Standard (CS3) used for CCV must be within ±25.0%. If the %D is not within limits, associated detected compounds are qualified "J" and associated non-detected compounds are qualified "UJ". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

7. FIELD DUPLICATES: BG510 and BG513

No problems were found for this criterion.

8. COMPOUND IDENTIFICATION:

The retention times of reported compounds must fall within the calculated retention time windows for the two chromatographic columns and a GC/MS confirmation is required if the concentration exceeds 10ng/ml in the final sample extract. Qualifications were applied to the samples and analytes as shown below.

Percent Differences	**Qualifier**
0% - 25%	No qualification
26% - 200%	J
>200% (interference detected)	NJ
>200% (interference not detected)	NJ

The following samples were qualified for % difference on the two columns.

BG509, BG502MSD

9. CONTRACT PROBLEMS NON-COMPLIANCE:

None.

10. FIELD DOCUMENTATION:

No problems were identified.

11. OTHER PROBLEMS:

The following sediment sample has percent solids greater than or equal to 10% but less than or equal to 30%. Detected compounds are qualified J. Non-detected compounds are qualified UJ.

BG512

12. DILUTIONS, RE-EXTRACTIONS & REANALYSIS:

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are used. See summary report and EDD for applicable samples and analytes.

ANALYSIS: ARO

The current SOP HW-37A (Rev 0) June 2015, USEPA Region II for the evaluation of ARO data, and all related Change Request Forms (CRF) for this SOP, generated through Statement of Work SFAM01.1, and any future editorial revisions of SFAM01.1 has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report.

1. HOLDING TIME AND PRESERVATION:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". Use professional judgment to qualify the non-detects (sample quantitation limits), if the holding times are grossly exceeded. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. SURROGATES:

All samples are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured surrogate recovery were outside Table 5 of the SOP HW-37A (Rev 0), qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD):

MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

4. Laboratory Control Samples (LCS):

LCS data provides information on the accuracy of the analytical method and laboratory performance. If LCS recoveries fell outside of the acceptable limits, qualifications were applied to the associated samples and compounds as shown below.

No problems were found for this criterion.

5. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure cross-contamination of samples during field operations. Depending

on the concentration of the analyte in the blank, the analytes are qualified as non-detects U. Qualifications were applied to the samples and analytes as shown below.

A) Method/Instrument blank contamination:

No problems were found for this criterion.

B) Field or rinse blank contamination: BG547

No problems were found for this criterion.

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Percent Relative Standard Deviation (%RSD):

If %RSD exceeds 20% for all analytes and the two surrogates, qualify all associated positive results "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) Percent Difference (%D):

For opening CCV, or closing CCV that is used as an opening CCV for the next 12-hour period, if %D exceeds 25% for analytes and 30% for the two surrogates, qualify all associated positive results "J" and non-detects "UJ".

For closing CCV, if %D exceeds 50% for all analytes and the two surrogates, qualify all associated positive results "J" and non-detects "UJ". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

7. FIELD DUPLICATES: BG510 and BG513

No problems were found for this criterion.

8. COMPOUND IDENTIFICATION:

The retention times of reported compounds must fall within the calculated retention time windows for the two chromatographic columns and a GC/MS confirmation is required if the concentration exceeds 10ng/ml in the final sample extract. Qualifications were applied to the samples and analytes as shown below.

Percent Differences	**Qualifier**
0% - 25%	No qualification

26% - 200%	J
>200% (interference detected)	NJ
>200% (interference not detected)	NJ

The following samples were qualified for % difference on the two columns.

None.

9. CONTRACT PROBLEMS NON-COMPLIANCE:

None.

10. FIELD DOCUMENTATION:

No problems were identified.

11. OTHER PROBLEMS:

The following sediment sample has percent solids greater than or equal to 10% but less than or equal to 30%. Detected compounds are qualified J. Non-detected compounds are qualified UJ.

BG512

12. DILUTIONS, RE-EXTRACTIONS & RE-ANALYSIS:

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are used. See summary report and EDD for applicable samples and analytes.

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Sample Number: ABLK010	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1221	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1232	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1242	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1248	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1254	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1260	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1262	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1268	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Sample Number: ABLK975	Method: Aroclors	Matrix: Water	MA Number:
Sample Location:	pH: 6	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1221	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1232	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1242	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1248	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1254	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1260	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1262	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1268	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Sample Number: ALCS010	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Spike	41		ug/kg	41		1.0	YES	S3VEM
Aroclor-1221	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1232	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1242	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1248	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1254	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1260	Spike	42		ug/kg	42		1.0	YES	S3VEM
Aroclor-1262	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1268	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Sample Number: ALCS975	Method: Aroclors	Matrix: Water	MA Number:
Sample Location:	pH: 6	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Spike	1.3		ug/L	1.3		1.0	YES	S3VEM
Aroclor-1221	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1232	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1242	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1248	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1254	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1260	Spike	1.3		ug/L	1.3		1.0	YES	S3VEM
Aroclor-1262	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1268	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED22A

Sample Number: BG501	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: SED22/SW22	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 55	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	60	U	ug/kg	60	U	1.0	YES	S3VEM
Aroclor-1221	Target	60	U	ug/kg	60	U	1.0	YES	S3VEM
Aroclor-1232	Target	60	U	ug/kg	60	U	1.0	YES	S3VEM
Aroclor-1242	Target	60	U	ug/kg	60	U	1.0	YES	S3VEM
Aroclor-1248	Target	60	U	ug/kg	60	U	1.0	YES	S3VEM
Aroclor-1254	Target	60	U	ug/kg	60	U	1.0	YES	S3VEM
Aroclor-1260	Target	60	U	ug/kg	60	U	1.0	YES	S3VEM
Aroclor-1262	Target	60	U	ug/kg	60	U	1.0	YES	S3VEM
Aroclor-1268	Target	60	U	ug/kg	60	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED22A

Sample Number: BG501	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: SED22/SW22	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 55	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	3.1	U	ug/kg	3.1	U	1.0	YES	S3VEM
beta-BHC	Target	3.1	U	ug/kg	3.1	U	1.0	YES	S3VEM
delta-BHC	Target	3.1	U	ug/kg	3.1	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	3.1	U	ug/kg	3.1	U	1.0	YES	S3VEM
Heptachlor	Target	3.1	U	ug/kg	3.1	U	1.0	YES	S3VEM
Aldrin	Target	3.1	U	ug/kg	3.1	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	3.1	U	ug/kg	3.1	U	1.0	YES	S3VEM
Endosulfan I	Target	3.1	U	ug/kg	3.1	U	1.0	YES	S3VEM
Dieldrin	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
4,4'-DDE	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
Endrin	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
Endosulfan II	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
4,4'-DDD	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
4,4'-DDT	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
Methoxychlor	Target	31	U	ug/kg	31	U	1.0	YES	S3VEM
Endrin ketone	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
cis-Chlordane	Target	3.1	U	ug/kg	3.1	U	1.0	YES	S3VEM
trans-Chlordane	Target	3.1	U	ug/kg	3.1	U	1.0	YES	S3VEM
Toxaphene	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED22A

Sample Number: BG501	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SED22/SW22	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 55	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	120	U	ug/kg	120	U	1.0	YES	S3VEM
Benzaldehyde	Target	600	U	ug/kg	600	U	1.0	YES	S3VEM
Phenol	Target	600	U	ug/kg	350	J	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	600	U	ug/kg	600	U	1.0	YES	S3VEM
2-Chlorophenol	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
2-Methylphenol	Target	600	U	ug/kg	600	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	600	U	ug/kg	600	U	1.0	YES	S3VEM
Acetophenone	Target	600	U	ug/kg	600	U	1.0	YES	S3VEM
4-Methylphenol	Target	600	U	ug/kg	600	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
Hexachloroethane	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
Nitrobenzene	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
Isophorone	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
2-Nitrophenol	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
Naphthalene	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
4-Chloroaniline	Target	600	U	ug/kg	600	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
Caprolactam	Target	600	U	ug/kg	600	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	600	U	ug/kg	600	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
2-Nitroaniline	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
Dimethylphthalate	Target	590		ug/kg	590		1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
Acenaphthylene	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
3-Nitroaniline	Target	600	U	ug/kg	600	U	1.0	YES	S3VEM
Acenaphthene	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	600	U	ug/kg	600	U	1.0	YES	S3VEM
4-Nitrophenol	Target	600	U	ug/kg	600	U	1.0	YES	S3VEM
Dibenzofuran	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
Diethylphthalate	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
Fluorene	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
4-Nitroaniline	Target	600	U	ug/kg	600	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	600	U	ug/kg	600	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
Atrazine	Target	600	U	ug/kg	600	U	1.0	YES	S3VEM
Pentachlorophenol	Target	600	U	ug/kg	600	U	1.0	YES	S3VEM
Phenanthrene	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
Anthracene	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
Carbazole	Target	600	U	ug/kg	600	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED22A

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
Fluoranthene	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
Pyrene	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
Butylbenzylphthalate	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	600	U	ug/kg	600	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
Chrysene	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	600	U	ug/kg	600	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
Total Alkanes	TIC	450	N	ug/kg	450	N	1.0	YES	NV
2,4,7,9-Tetramethyl-5-decyn-4,7-di	TIC	580	JN	ug/kg	580	JN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED22A

Sample Number: BG501	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED22/SW22	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 55	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
Chloromethane	Target	9.9	UJ	ug/kg	9.9	U	1.0	YES	S3VEM
Vinyl chloride	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
Bromomethane	Target	9.9	UJ	ug/kg	9.9	U	1.0	YES	S3VEM
Chloroethane	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	9.9	UJ	ug/kg	9.9	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
Acetone	Target	20	U	ug/kg	21		1.0	YES	S3VEM
Carbon disulfide	Target	3.2	J	ug/kg	3.2	J	1.0	YES	S3VEM
Methyl Acetate	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
Methylene chloride	Target	9.9	U	ug/kg	7.6	J	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	9.9	UJ	ug/kg	9.9	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	9.9	UJ	ug/kg	9.9	U	1.0	YES	S3VEM
2-Butanone	Target	20	U	ug/kg	20	U	1.0	YES	S3VEM
Bromochloromethane	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
Chloroform	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
Cyclohexane	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
Benzene	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
Trichloroethene	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
Methylcyclohexane	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
Bromodichloromethane	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	20	U	ug/kg	20	U	1.0	YES	S3VEM
Toluene	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
Tetrachloroethene	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
2-Hexanone	Target	20	U	ug/kg	20	U	1.0	YES	S3VEM
Dibromochloromethane	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
Chlorobenzene	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
Ethylbenzene	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
o-Xylene	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
m,p-Xylene	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
Styrene	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
Bromoform	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
Isopropylbenzene	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED22A

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED22B

Sample Number: BG502	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: SED22/SW22	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 54.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	61	U	ug/kg	61	U	1.0	YES	S3VEM
Aroclor-1221	Target	61	U	ug/kg	61	U	1.0	YES	S3VEM
Aroclor-1232	Target	61	U	ug/kg	61	U	1.0	YES	S3VEM
Aroclor-1242	Target	61	U	ug/kg	61	U	1.0	YES	S3VEM
Aroclor-1248	Target	61	U	ug/kg	61	U	1.0	YES	S3VEM
Aroclor-1254	Target	61	U	ug/kg	61	U	1.0	YES	S3VEM
Aroclor-1260	Target	61	U	ug/kg	61	U	1.0	YES	S3VEM
Aroclor-1262	Target	61	U	ug/kg	61	U	1.0	YES	S3VEM
Aroclor-1268	Target	61	U	ug/kg	61	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED22B

Sample Number: BG502	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: SED22/SW22	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 54.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	3.1	U	ug/kg	3.1	U	1.0	YES	S3VEM
beta-BHC	Target	3.1	U	ug/kg	3.1	U	1.0	YES	S3VEM
delta-BHC	Target	3.1	U	ug/kg	3.1	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	3.1	U	ug/kg	3.1	U	1.0	YES	S3VEM
Heptachlor	Target	3.1	U	ug/kg	3.1	U	1.0	YES	S3VEM
Aldrin	Target	3.1	U	ug/kg	3.1	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	3.1	U	ug/kg	3.1	U	1.0	YES	S3VEM
Endosulfan I	Target	3.1	U	ug/kg	3.1	U	1.0	YES	S3VEM
Dieldrin	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
4,4'-DDE	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
Endrin	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
Endosulfan II	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
4,4'-DDD	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
4,4'-DDT	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
Methoxychlor	Target	31	U	ug/kg	31	U	1.0	YES	S3VEM
Endrin ketone	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
cis-Chlordane	Target	3.1	U	ug/kg	3.1	U	1.0	YES	S3VEM
trans-Chlordane	Target	3.1	U	ug/kg	3.1	U	1.0	YES	S3VEM
Toxaphene	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED22B

Sample Number: BG502	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SED22/SW22	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 54.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	120	U	ug/kg	120	U	1.0	YES	S3VEM
Benzaldehyde	Target	600	U	ug/kg	600	U	1.0	YES	S3VEM
Phenol	Target	600	U	ug/kg	200	J	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	600	U	ug/kg	600	U	1.0	YES	S3VEM
2-Chlorophenol	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
2-Methylphenol	Target	600	U	ug/kg	600	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	600	U	ug/kg	600	U	1.0	YES	S3VEM
Acetophenone	Target	600	U	ug/kg	600	U	1.0	YES	S3VEM
4-Methylphenol	Target	600	U	ug/kg	600	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
Hexachloroethane	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
Nitrobenzene	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
Isophorone	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
2-Nitrophenol	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
Naphthalene	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
4-Chloroaniline	Target	600	U	ug/kg	600	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
Caprolactam	Target	600	U	ug/kg	600	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	600	U	ug/kg	600	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
2-Nitroaniline	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
Dimethylphthalate	Target	340		ug/kg	340		1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
Acenaphthylene	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
3-Nitroaniline	Target	600	U	ug/kg	600	U	1.0	YES	S3VEM
Acenaphthene	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	600	U	ug/kg	600	U	1.0	YES	S3VEM
4-Nitrophenol	Target	600	U	ug/kg	600	U	1.0	YES	S3VEM
Dibenzofuran	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
Diethylphthalate	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
Fluorene	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
4-Nitroaniline	Target	600	U	ug/kg	600	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	600	U	ug/kg	600	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
Atrazine	Target	600	U	ug/kg	600	U	1.0	YES	S3VEM
Pentachlorophenol	Target	600	U	ug/kg	600	U	1.0	YES	S3VEM
Phenanthrene	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
Anthracene	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
Carbazole	Target	600	U	ug/kg	600	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED22B

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
Fluoranthene	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
Pyrene	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
Butylbenzylphthalate	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	600	U	ug/kg	600	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
Chrysene	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	600	U	ug/kg	600	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM
Trifluoroacetoxy hexadecane	TIC	310	JN	ug/kg	310	JN	1.0	YES	NV
2,4,7,9-Tetramethyl-5-decyn-4,7-di	TIC	360	JN	ug/kg	360	JN	1.0	YES	NV
Total Alkanes	TIC	510	N	ug/kg	510	N	1.0	YES	NV
Octadecanal	TIC	170	JN	ug/kg	170	JN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED22B

Sample Number: BG502	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED22/SW22	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 54.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Chloromethane	Target	11	UJ	ug/kg	11	U	1.0	YES	S3VEM
Vinyl chloride	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Bromomethane	Target	11	UJ	ug/kg	11	U	1.0	YES	S3VEM
Chloroethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	11	UJ	ug/kg	11	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Acetone	Target	23	U	ug/kg	26		1.0	YES	S3VEM
Carbon disulfide	Target	6.9	J	ug/kg	6.9	J	1.0	YES	S3VEM
Methyl Acetate	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Methylene chloride	Target	11	U	ug/kg	9.2	J	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	11	UJ	ug/kg	11	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	11	UJ	ug/kg	11	U	1.0	YES	S3VEM
2-Butanone	Target	23	U	ug/kg	23	U	1.0	YES	S3VEM
Bromochloromethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Chloroform	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Cyclohexane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Benzene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Trichloroethene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Methylcyclohexane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Bromodichloromethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	23	U	ug/kg	23	U	1.0	YES	S3VEM
Toluene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Tetrachloroethene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
2-Hexanone	Target	23	U	ug/kg	23	U	1.0	YES	S3VEM
Dibromochloromethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Chlorobenzene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Ethylbenzene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
o-Xylene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
m,p-Xylene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Styrene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Bromoform	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Isopropylbenzene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED22B

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Sample Number: BG502MS	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 54.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Spike	200		ug/kg	200		1.0	YES	S3VEM
Aroclor-1221	Target	60	U	ug/kg	60	U	1.0	YES	S3VEM
Aroclor-1232	Target	60	U	ug/kg	60	U	1.0	YES	S3VEM
Aroclor-1242	Target	60	U	ug/kg	60	U	1.0	YES	S3VEM
Aroclor-1248	Target	60	U	ug/kg	60	U	1.0	YES	S3VEM
Aroclor-1254	Target	60	U	ug/kg	60	U	1.0	YES	S3VEM
Aroclor-1260	Spike	180		ug/kg	180		1.0	YES	S3VEM
Aroclor-1262	Target	60	U	ug/kg	60	U	1.0	YES	S3VEM
Aroclor-1268	Target	60	U	ug/kg	60	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Sample Number: BG502MS	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 54.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Spike	18		ug/kg	18	*	1.0	YES	S3VEM
beta-BHC	Spike	20		ug/kg	20	*	1.0	YES	S3VEM
delta-BHC	Spike	8.7		ug/kg	8.7	*	1.0	YES	S3VEM
gamma-BHC (Lindane)	Spike	20		ug/kg	20		1.0	YES	S3VEM
Heptachlor	Spike	20		ug/kg	20		1.0	YES	S3VEM
Aldrin	Spike	20		ug/kg	20		1.0	YES	S3VEM
Heptachlor epoxide	Spike	19		ug/kg	19	*	1.0	YES	S3VEM
Endosulfan I	Spike	20		ug/kg	20	*	1.0	YES	S3VEM
Dieldrin	Spike	41		ug/kg	41		1.0	YES	S3VEM
4,4'-DDE	Spike	41		ug/kg	41	*	1.0	YES	S3VEM
Endrin	Spike	42		ug/kg	42		1.0	YES	S3VEM
Endosulfan II	Spike	43		ug/kg	43	*	1.0	YES	S3VEM
4,4'-DDD	Spike	44		ug/kg	44	*	1.0	YES	S3VEM
Endosulfan Sulfate	Spike	35		ug/kg	35	*	1.0	YES	S3VEM
4,4'-DDT	Spike	41		ug/kg	41		1.0	YES	S3VEM
Methoxychlor	Spike	200		ug/kg	200	*	1.0	YES	S3VEM
Endrin ketone	Spike	42		ug/kg	42	*	1.0	YES	S3VEM
Endrin Aldehyde	Spike	41		ug/kg	41	*	1.0	YES	S3VEM
cis-Chlordane	Spike	20		ug/kg	20	*	1.0	YES	S3VEM
trans-Chlordane	Spike	19		ug/kg	19	*	1.0	YES	S3VEM
Toxaphene	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Sample Number: BG502MSD	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 54.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Spike	230		ug/kg	230		1.0	YES	S3VEM
Aroclor-1221	Target	60	U	ug/kg	60	U	1.0	YES	S3VEM
Aroclor-1232	Target	60	U	ug/kg	60	U	1.0	YES	S3VEM
Aroclor-1242	Target	60	U	ug/kg	60	U	1.0	YES	S3VEM
Aroclor-1248	Target	60	U	ug/kg	60	U	1.0	YES	S3VEM
Aroclor-1254	Target	60	U	ug/kg	60	U	1.0	YES	S3VEM
Aroclor-1260	Spike	210		ug/kg	210		1.0	YES	S3VEM
Aroclor-1262	Target	60	U	ug/kg	60	U	1.0	YES	S3VEM
Aroclor-1268	Target	60	U	ug/kg	60	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Sample Number: BG502MSD	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 54.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Spike	18		ug/kg	18	*	1.0	YES	S3VEM
beta-BHC	Spike	19		ug/kg	19	*	1.0	YES	S3VEM
delta-BHC	Spike	9.0		ug/kg	9.0	*	1.0	YES	S3VEM
gamma-BHC (Lindane)	Spike	19		ug/kg	19		1.0	YES	S3VEM
Heptachlor	Spike	20	J	ug/kg	20	P	1.0	YES	S3VEM
Aldrin	Spike	20		ug/kg	20		1.0	YES	S3VEM
Heptachlor epoxide	Spike	19		ug/kg	19	*	1.0	YES	S3VEM
Endosulfan I	Spike	20		ug/kg	20	*	1.0	YES	S3VEM
Dieldrin	Spike	41		ug/kg	41		1.0	YES	S3VEM
4,4'-DDE	Spike	40		ug/kg	40	*	1.0	YES	S3VEM
Endrin	Spike	41		ug/kg	41		1.0	YES	S3VEM
Endosulfan II	Spike	43		ug/kg	43	*	1.0	YES	S3VEM
4,4'-DDD	Spike	43		ug/kg	43	*	1.0	YES	S3VEM
Endosulfan Sulfate	Spike	35		ug/kg	35	*	1.0	YES	S3VEM
4,4'-DDT	Spike	41		ug/kg	41		1.0	YES	S3VEM
Methoxychlor	Spike	200		ug/kg	200	*	1.0	YES	S3VEM
Endrin ketone	Spike	42		ug/kg	42	*	1.0	YES	S3VEM
Endrin Aldehyde	Spike	40		ug/kg	40	*	1.0	YES	S3VEM
cis-Chlordane	Spike	20		ug/kg	20	*	1.0	YES	S3VEM
trans-Chlordane	Spike	18		ug/kg	18	*	1.0	YES	S3VEM
Toxaphene	Target	310	U	ug/kg	310	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED22C

Sample Number: BG503	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: SED22/SW22	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 51.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	64	U	ug/kg	64	U	1.0	YES	S3VEM
Aroclor-1221	Target	64	U	ug/kg	64	U	1.0	YES	S3VEM
Aroclor-1232	Target	64	U	ug/kg	64	U	1.0	YES	S3VEM
Aroclor-1242	Target	64	U	ug/kg	64	U	1.0	YES	S3VEM
Aroclor-1248	Target	64	U	ug/kg	64	U	1.0	YES	S3VEM
Aroclor-1254	Target	64	U	ug/kg	64	U	1.0	YES	S3VEM
Aroclor-1260	Target	64	U	ug/kg	64	U	1.0	YES	S3VEM
Aroclor-1262	Target	64	U	ug/kg	64	U	1.0	YES	S3VEM
Aroclor-1268	Target	64	U	ug/kg	64	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED22C

Sample Number: BG503	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: SED22/SW22	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 51.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
beta-BHC	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
delta-BHC	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
Heptachlor	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
Aldrin	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
Endosulfan I	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
Dieldrin	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
4,4'-DDE	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
Endrin	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
Endosulfan II	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
4,4'-DDD	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
4,4'-DDT	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
Methoxychlor	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Endrin ketone	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
cis-Chlordane	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
trans-Chlordane	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
Toxaphene	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED22C

Sample Number: BG503	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SED22/SW22	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 51.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	130	U	ug/kg	130	U	1.0	YES	S3VEM
Benzaldehyde	Target	640	U	ug/kg	640	U	1.0	YES	S3VEM
Phenol	Target	640	U	ug/kg	240	J	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	640	U	ug/kg	640	U	1.0	YES	S3VEM
2-Chlorophenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
2-Methylphenol	Target	640	U	ug/kg	640	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	640	U	ug/kg	640	U	1.0	YES	S3VEM
Acetophenone	Target	640	U	ug/kg	640	U	1.0	YES	S3VEM
4-Methylphenol	Target	640	U	ug/kg	640	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Hexachloroethane	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Nitrobenzene	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Isophorone	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
2-Nitrophenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Naphthalene	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
4-Chloroaniline	Target	640	U	ug/kg	640	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Caprolactam	Target	640	U	ug/kg	640	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	640	U	ug/kg	640	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
2-Nitroaniline	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Dimethylphthalate	Target	430		ug/kg	430		1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Acenaphthylene	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
3-Nitroaniline	Target	640	U	ug/kg	640	U	1.0	YES	S3VEM
Acenaphthene	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	640	U	ug/kg	640	U	1.0	YES	S3VEM
4-Nitrophenol	Target	640	U	ug/kg	640	U	1.0	YES	S3VEM
Dibenzofuran	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Diethylphthalate	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Fluorene	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
4-Nitroaniline	Target	640	U	ug/kg	640	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	640	U	ug/kg	640	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Atrazine	Target	640	U	ug/kg	640	U	1.0	YES	S3VEM
Pentachlorophenol	Target	640	U	ug/kg	640	U	1.0	YES	S3VEM
Phenanthrene	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Anthracene	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Carbazole	Target	640	U	ug/kg	640	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED22C

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Fluoranthene	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Pyrene	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Butylbenzylphthalate	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	640	U	ug/kg	640	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Chrysene	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	640	U	ug/kg	640	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Total Alkanes	TIC	480	N	ug/kg	480	N	1.0	YES	NV
2,4,7,9-Tetramethyl-5-decyn-4,7-di	TIC	660	JN	ug/kg	660	JN	1.0	YES	NV
1-Hexadecanol	TIC	330	JN	ug/kg	330	JN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED22C

Sample Number: BG503	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED22/SW22	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 51.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Chloromethane	Target	14	UJ	ug/kg	14	U	1.0	YES	S3VEM
Vinyl chloride	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Bromomethane	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Chloroethane	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	14	UJ	ug/kg	14	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	14	UJ	ug/kg	14	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Acetone	Target	28	U	ug/kg	46		1.0	YES	S3VEM
Carbon disulfide	Target	11	J	ug/kg	11	J	1.0	YES	S3VEM
Methyl Acetate	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Methylene chloride	Target	28		ug/kg	28		1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	14	UJ	ug/kg	14	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	14	UJ	ug/kg	14	U	1.0	YES	S3VEM
2-Butanone	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
Bromochloromethane	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Chloroform	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Cyclohexane	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Benzene	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Trichloroethene	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Methylcyclohexane	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Bromodichloromethane	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
Toluene	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Tetrachloroethene	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
2-Hexanone	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
Dibromochloromethane	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Chlorobenzene	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Ethylbenzene	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
o-Xylene	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
m,p-Xylene	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Styrene	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Bromoform	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Isopropylbenzene	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED22C

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Dimethyl ether	TIC	20	JBN	ug/kg	20	JBN	1.0	YES	NV
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED23A

Sample Number: BG504	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: SED23/SW23	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 77.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	42	U	ug/kg	42	U	1.0	YES	S3VEM
Aroclor-1221	Target	42	U	ug/kg	42	U	1.0	YES	S3VEM
Aroclor-1232	Target	42	U	ug/kg	42	U	1.0	YES	S3VEM
Aroclor-1242	Target	42	U	ug/kg	42	U	1.0	YES	S3VEM
Aroclor-1248	Target	42	U	ug/kg	42	U	1.0	YES	S3VEM
Aroclor-1254	Target	42	U	ug/kg	42	U	1.0	YES	S3VEM
Aroclor-1260	Target	42	U	ug/kg	42	U	1.0	YES	S3VEM
Aroclor-1262	Target	42	U	ug/kg	42	U	1.0	YES	S3VEM
Aroclor-1268	Target	42	U	ug/kg	42	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED23A

Sample Number: BG504	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: SED23/SW23	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 77.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
beta-BHC	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
delta-BHC	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
Heptachlor	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
Aldrin	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
Endosulfan I	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
Dieldrin	Target	4.2	U	ug/kg	4.2	U	1.0	YES	S3VEM
4,4'-DDE	Target	4.2	U	ug/kg	4.2	U	1.0	YES	S3VEM
Endrin	Target	4.2	U	ug/kg	4.2	U	1.0	YES	S3VEM
Endosulfan II	Target	4.2	U	ug/kg	4.2	U	1.0	YES	S3VEM
4,4'-DDD	Target	4.2	U	ug/kg	4.2	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	4.2	U	ug/kg	4.2	U	1.0	YES	S3VEM
4,4'-DDT	Target	4.2	U	ug/kg	4.2	U	1.0	YES	S3VEM
Methoxychlor	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
Endrin ketone	Target	4.2	U	ug/kg	4.2	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	4.2	U	ug/kg	4.2	U	1.0	YES	S3VEM
cis-Chlordane	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
trans-Chlordane	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
Toxaphene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED23A

Sample Number: BG504	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SED23/SW23	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 77.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	86	U	ug/kg	86	U	1.0	YES	S3VEM
Benzaldehyde	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
Phenol	Target	420	U	ug/kg	220	J	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
2-Chlorophenol	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2-Methylphenol	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
Acetophenone	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
4-Methylphenol	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Hexachloroethane	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Nitrobenzene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Isophorone	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2-Nitrophenol	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Naphthalene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
4-Chloroaniline	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Caprolactam	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2-Nitroaniline	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Dimethylphthalate	Target	220		ug/kg	220		1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Acenaphthylene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
3-Nitroaniline	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
Acenaphthene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
4-Nitrophenol	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
Dibenzofuran	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Diethylphthalate	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Fluorene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
4-Nitroaniline	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Atrazine	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
Pentachlorophenol	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
Phenanthrene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED23A

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Anthracene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Carbazole	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
Di-n-butylphthalate	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Fluoranthene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Pyrene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Butylbenzylphthalate	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Chrysene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Total Alkanes	TIC	270	N	ug/kg	270	N	1.0	YES	NV
n-Hexadecanoic acid	TIC	110	JN	ug/kg	110	JN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED23A

Sample Number: BG504	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED23/SW23	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 77.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	6.8	U	ug/kg	6.8	U	1.0	YES	S3VEM
Chloromethane	Target	6.8	UJ	ug/kg	6.8	U	1.0	YES	S3VEM
Vinyl chloride	Target	6.8	U	ug/kg	6.8	U	1.0	YES	S3VEM
Bromomethane	Target	6.8	UJ	ug/kg	6.8	U	1.0	YES	S3VEM
Chloroethane	Target	6.8	U	ug/kg	6.8	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	6.8	UJ	ug/kg	6.8	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	6.8	UJ	ug/kg	6.8	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	6.8	UJ	ug/kg	6.8	U	1.0	YES	S3VEM
Acetone	Target	14	U	ug/kg	14		1.0	YES	S3VEM
Carbon disulfide	Target	7.1		ug/kg	7.1		1.0	YES	S3VEM
Methyl Acetate	Target	6.8	UJ	ug/kg	6.8	U	1.0	YES	S3VEM
Methylene chloride	Target	6.8	UJ	ug/kg	4.9	J	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	6.8	UJ	ug/kg	6.8	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	6.8	UJ	ug/kg	6.8	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	6.8	U	ug/kg	6.8	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	6.8	UJ	ug/kg	6.8	U	1.0	YES	S3VEM
2-Butanone	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Bromochloromethane	Target	6.8	U	ug/kg	6.8	U	1.0	YES	S3VEM
Chloroform	Target	6.8	U	ug/kg	6.8	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	6.8	UJ	ug/kg	6.8	U	1.0	YES	S3VEM
Cyclohexane	Target	6.8	U	ug/kg	6.8	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	6.8	UJ	ug/kg	6.8	U	1.0	YES	S3VEM
Benzene	Target	6.8	U	ug/kg	6.8	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	6.8	UJ	ug/kg	6.8	U	1.0	YES	S3VEM
Trichloroethene	Target	6.8	U	ug/kg	6.8	U	1.0	YES	S3VEM
Methylcyclohexane	Target	6.8	U	ug/kg	6.8	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	6.8	U	ug/kg	6.8	U	1.0	YES	S3VEM
Bromodichloromethane	Target	6.8	U	ug/kg	6.8	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	6.8	U	ug/kg	6.8	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Toluene	Target	6.8	U	ug/kg	6.8	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	6.8	U	ug/kg	6.8	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	6.8	U	ug/kg	6.8	U	1.0	YES	S3VEM
Tetrachloroethene	Target	6.8	U	ug/kg	6.8	U	1.0	YES	S3VEM
2-Hexanone	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Dibromochloromethane	Target	6.8	U	ug/kg	6.8	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	6.8	UJ	ug/kg	6.8	U	1.0	YES	S3VEM
Chlorobenzene	Target	6.8	UJ	ug/kg	6.8	U	1.0	YES	S3VEM
Ethylbenzene	Target	6.8	U	ug/kg	6.8	U	1.0	YES	S3VEM
o-Xylene	Target	6.8	U	ug/kg	6.8	U	1.0	YES	S3VEM
m,p-Xylene	Target	6.8	U	ug/kg	6.8	U	1.0	YES	S3VEM
Styrene	Target	6.8	U	ug/kg	6.8	U	1.0	YES	S3VEM
Bromoform	Target	6.8	U	ug/kg	6.8	U	1.0	YES	S3VEM
Isopropylbenzene	Target	6.8	U	ug/kg	6.8	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	6.8	U	ug/kg	6.8	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	6.8	U	ug/kg	6.8	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	6.8	UJ	ug/kg	6.8	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	6.8	UJ	ug/kg	6.8	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	6.8	UJ	ug/kg	6.8	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	6.8	U	ug/kg	6.8	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	6.8	U	ug/kg	6.8	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	6.8	U	ug/kg	6.8	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED23A

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	6.8	UJ	ug/kg	6.8	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	6.8	UJ	ug/kg	6.8	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED23B

Sample Number: BG505	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: SED23/SW23	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 65.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	50	U	ug/kg	50	U	1.0	YES	S3VEM
Aroclor-1221	Target	50	U	ug/kg	50	U	1.0	YES	S3VEM
Aroclor-1232	Target	50	U	ug/kg	50	U	1.0	YES	S3VEM
Aroclor-1242	Target	50	U	ug/kg	50	U	1.0	YES	S3VEM
Aroclor-1248	Target	50	U	ug/kg	50	U	1.0	YES	S3VEM
Aroclor-1254	Target	50	U	ug/kg	50	U	1.0	YES	S3VEM
Aroclor-1260	Target	50	U	ug/kg	50	U	1.0	YES	S3VEM
Aroclor-1262	Target	50	U	ug/kg	50	U	1.0	YES	S3VEM
Aroclor-1268	Target	50	U	ug/kg	50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED23B

Sample Number: BG505	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: SED23/SW23	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 65.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	2.6	U	ug/kg	2.6	U	1.0	YES	S3VEM
beta-BHC	Target	2.6	U	ug/kg	2.6	U	1.0	YES	S3VEM
delta-BHC	Target	2.6	U	ug/kg	2.6	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	2.6	U	ug/kg	2.6	U	1.0	YES	S3VEM
Heptachlor	Target	2.6	U	ug/kg	2.6	U	1.0	YES	S3VEM
Aldrin	Target	2.6	U	ug/kg	2.6	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	2.6	U	ug/kg	2.6	U	1.0	YES	S3VEM
Endosulfan I	Target	2.6	U	ug/kg	2.6	U	1.0	YES	S3VEM
Dieldrin	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
4,4'-DDE	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Endrin	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Endosulfan II	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
4,4'-DDD	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
4,4'-DDT	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methoxychlor	Target	26	U	ug/kg	26	U	1.0	YES	S3VEM
Endrin ketone	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-Chlordane	Target	2.6	U	ug/kg	2.6	U	1.0	YES	S3VEM
trans-Chlordane	Target	2.6	U	ug/kg	2.6	U	1.0	YES	S3VEM
Toxaphene	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED23B

Sample Number: BG505	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SED23/SW23	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 65.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	100	U	ug/kg	100	U	1.0	YES	S3VEM
Benzaldehyde	Target	500	U	ug/kg	500	U	1.0	YES	S3VEM
Phenol	Target	500	U	ug/kg	250	J	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	500	U	ug/kg	500	U	1.0	YES	S3VEM
2-Chlorophenol	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
2-Methylphenol	Target	500	U	ug/kg	500	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	500	U	ug/kg	500	U	1.0	YES	S3VEM
Acetophenone	Target	500	U	ug/kg	500	U	1.0	YES	S3VEM
4-Methylphenol	Target	500	U	ug/kg	500	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
Hexachloroethane	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
Nitrobenzene	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
Isophorone	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
2-Nitrophenol	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
Naphthalene	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
4-Chloroaniline	Target	500	U	ug/kg	500	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
Caprolactam	Target	500	U	ug/kg	500	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	500	U	ug/kg	500	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
2-Nitroaniline	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
Dimethylphthalate	Target	240	J	ug/kg	240	J	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
Acenaphthylene	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
3-Nitroaniline	Target	500	U	ug/kg	500	U	1.0	YES	S3VEM
Acenaphthene	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	500	U	ug/kg	500	U	1.0	YES	S3VEM
4-Nitrophenol	Target	500	U	ug/kg	500	U	1.0	YES	S3VEM
Dibenzofuran	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
Diethylphthalate	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
Fluorene	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
4-Nitroaniline	Target	500	U	ug/kg	500	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	500	U	ug/kg	500	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
Atrazine	Target	500	U	ug/kg	500	U	1.0	YES	S3VEM
Pentachlorophenol	Target	500	U	ug/kg	500	U	1.0	YES	S3VEM
Phenanthrene	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED23B

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Anthracene	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
Carbazole	Target	500	U	ug/kg	500	U	1.0	YES	S3VEM
Di-n-butylphthalate	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
Fluoranthene	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
Pyrene	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
Butylbenzylphthalate	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	500	U	ug/kg	500	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
Chrysene	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	500	U	ug/kg	500	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
n-Hexadecanoic acid	TIC	180	JN	ug/kg	180	JN	1.0	YES	NV
Total Alkanes	TIC	390	N	ug/kg	390	N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED23B

Sample Number: BG505	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED23/SW23	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 65.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	9.0	U	ug/kg	9.0	U	1.0	YES	S3VEM
Chloromethane	Target	9.0	UJ	ug/kg	9.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	9.0	U	ug/kg	9.0	U	1.0	YES	S3VEM
Bromomethane	Target	9.0	U	ug/kg	9.0	U	1.0	YES	S3VEM
Chloroethane	Target	9.0	U	ug/kg	9.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	9.0	U	ug/kg	9.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	9.0	UJ	ug/kg	9.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	9.0	U	ug/kg	9.0	U	1.0	YES	S3VEM
Acetone	Target	18	U	ug/kg	20		1.0	YES	S3VEM
Carbon disulfide	Target	4.5	J	ug/kg	4.5	J	1.0	YES	S3VEM
Methyl Acetate	Target	9.0	U	ug/kg	9.0	U	1.0	YES	S3VEM
Methylene chloride	Target	9.0	U	ug/kg	6.5	J	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	9.0	UJ	ug/kg	9.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	9.0	U	ug/kg	9.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	9.0	U	ug/kg	9.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	9.0	UJ	ug/kg	9.0	U	1.0	YES	S3VEM
2-Butanone	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
Bromochloromethane	Target	9.0	U	ug/kg	9.0	U	1.0	YES	S3VEM
Chloroform	Target	9.0	U	ug/kg	9.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	9.0	U	ug/kg	9.0	U	1.0	YES	S3VEM
Cyclohexane	Target	9.0	U	ug/kg	9.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	9.0	U	ug/kg	9.0	U	1.0	YES	S3VEM
Benzene	Target	9.0	U	ug/kg	9.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	9.0	U	ug/kg	9.0	U	1.0	YES	S3VEM
Trichloroethene	Target	9.0	U	ug/kg	9.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	9.0	U	ug/kg	9.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	9.0	U	ug/kg	9.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	9.0	U	ug/kg	9.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	9.0	U	ug/kg	9.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
Toluene	Target	9.0	U	ug/kg	9.0	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	9.0	U	ug/kg	9.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	9.0	U	ug/kg	9.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	9.0	U	ug/kg	9.0	U	1.0	YES	S3VEM
2-Hexanone	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
Dibromochloromethane	Target	9.0	U	ug/kg	9.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	9.0	U	ug/kg	9.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	9.0	U	ug/kg	9.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	9.0	U	ug/kg	9.0	U	1.0	YES	S3VEM
o-Xylene	Target	9.0	U	ug/kg	9.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	9.0	U	ug/kg	9.0	U	1.0	YES	S3VEM
Styrene	Target	9.0	U	ug/kg	9.0	U	1.0	YES	S3VEM
Bromoform	Target	9.0	U	ug/kg	9.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	9.0	U	ug/kg	9.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	9.0	U	ug/kg	9.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	9.0	U	ug/kg	9.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	9.0	U	ug/kg	9.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	9.0	U	ug/kg	9.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	9.0	U	ug/kg	9.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	9.0	U	ug/kg	9.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	9.0	U	ug/kg	9.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	9.0	U	ug/kg	9.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED23B

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	9.0	U	ug/kg	9.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	9.0	U	ug/kg	9.0	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED23C

Sample Number: BG506	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: SED23/SW23	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 60.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	55	U	ug/kg	55	U	1.0	YES	S3VEM
Aroclor-1221	Target	55	U	ug/kg	55	U	1.0	YES	S3VEM
Aroclor-1232	Target	55	U	ug/kg	55	U	1.0	YES	S3VEM
Aroclor-1242	Target	55	U	ug/kg	55	U	1.0	YES	S3VEM
Aroclor-1248	Target	55	U	ug/kg	55	U	1.0	YES	S3VEM
Aroclor-1254	Target	55	U	ug/kg	55	U	1.0	YES	S3VEM
Aroclor-1260	Target	55	U	ug/kg	55	U	1.0	YES	S3VEM
Aroclor-1262	Target	55	U	ug/kg	55	U	1.0	YES	S3VEM
Aroclor-1268	Target	55	U	ug/kg	55	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED23C

Sample Number: BG506	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: SED23/SW23	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 60.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	2.8	U	ug/kg	2.8	U	1.0	YES	S3VEM
beta-BHC	Target	2.8	U	ug/kg	2.8	U	1.0	YES	S3VEM
delta-BHC	Target	2.8	U	ug/kg	2.8	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	2.8	U	ug/kg	2.8	U	1.0	YES	S3VEM
Heptachlor	Target	2.8	U	ug/kg	2.8	U	1.0	YES	S3VEM
Aldrin	Target	2.8	U	ug/kg	2.8	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	2.8	U	ug/kg	2.8	U	1.0	YES	S3VEM
Endosulfan I	Target	2.8	U	ug/kg	2.8	U	1.0	YES	S3VEM
Dieldrin	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
4,4'-DDE	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
Endrin	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
Endosulfan II	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
4,4'-DDD	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
4,4'-DDT	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
Methoxychlor	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
Endrin ketone	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	5.5	U	ug/kg	5.5	U	1.0	YES	S3VEM
cis-Chlordane	Target	2.8	U	ug/kg	2.8	U	1.0	YES	S3VEM
trans-Chlordane	Target	2.8	U	ug/kg	2.8	U	1.0	YES	S3VEM
Toxaphene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED23C

Sample Number: BG506	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SED23/SW23	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 60.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	110	U	ug/kg	110	U	1.0	YES	S3VEM
Benzaldehyde	Target	550	U	ug/kg	550	U	1.0	YES	S3VEM
Phenol	Target	550	U	ug/kg	290	J	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	550	U	ug/kg	550	U	1.0	YES	S3VEM
2-Chlorophenol	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
2-Methylphenol	Target	550	U	ug/kg	550	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	550	U	ug/kg	550	U	1.0	YES	S3VEM
Acetophenone	Target	550	U	ug/kg	550	U	1.0	YES	S3VEM
4-Methylphenol	Target	550	U	ug/kg	550	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Hexachloroethane	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Nitrobenzene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Isophorone	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
2-Nitrophenol	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Naphthalene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
4-Chloroaniline	Target	550	U	ug/kg	550	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Caprolactam	Target	550	U	ug/kg	550	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	550	U	ug/kg	550	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
2-Nitroaniline	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Dimethylphthalate	Target	250	J	ug/kg	250	J	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Acenaphthylene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
3-Nitroaniline	Target	550	U	ug/kg	550	U	1.0	YES	S3VEM
Acenaphthene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	550	U	ug/kg	550	U	1.0	YES	S3VEM
4-Nitrophenol	Target	550	U	ug/kg	550	U	1.0	YES	S3VEM
Dibenzofuran	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Diethylphthalate	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Fluorene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
4-Nitroaniline	Target	550	U	ug/kg	550	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	550	U	ug/kg	550	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Atrazine	Target	550	U	ug/kg	550	U	1.0	YES	S3VEM
Pentachlorophenol	Target	550	U	ug/kg	550	U	1.0	YES	S3VEM
Phenanthrene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED23C

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Anthracene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Carbazole	Target	550	U	ug/kg	550	U	1.0	YES	S3VEM
Di-n-butylphthalate	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Fluoranthene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Pyrene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Butylbenzylphthalate	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	550	U	ug/kg	550	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Chrysene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	550	U	ug/kg	550	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Total Alkanes	TIC	400	N	ug/kg	400	N	1.0	YES	NV
n-Hexadecanoic acid	TIC	130	JN	ug/kg	130	JN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED23C

Sample Number: BG506	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED23/SW23	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 60.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
Chloromethane	Target	9.4	UJ	ug/kg	9.4	U	1.0	YES	S3VEM
Vinyl chloride	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
Bromomethane	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
Chloroethane	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	9.4	UJ	ug/kg	9.4	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
Acetone	Target	19	U	ug/kg	24		1.0	YES	S3VEM
Carbon disulfide	Target	15		ug/kg	15		1.0	YES	S3VEM
Methyl Acetate	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
Methylene chloride	Target	9.4	U	ug/kg	8.6	J	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	9.4	UJ	ug/kg	9.4	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	9.4	UJ	ug/kg	9.4	U	1.0	YES	S3VEM
2-Butanone	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
Bromochloromethane	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
Chloroform	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
Cyclohexane	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
Benzene	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
Trichloroethene	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
Methylcyclohexane	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
Bromodichloromethane	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
Toluene	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
Tetrachloroethene	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
2-Hexanone	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
Dibromochloromethane	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
Chlorobenzene	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
Ethylbenzene	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
o-Xylene	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
m,p-Xylene	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
Styrene	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
Bromoform	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
Isopropylbenzene	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED23C

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED24A

Sample Number: BG507	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: SED24/SW24	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 65.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	51	U	ug/kg	51	U	1.0	YES	S3VEM
Aroclor-1221	Target	51	U	ug/kg	51	U	1.0	YES	S3VEM
Aroclor-1232	Target	51	U	ug/kg	51	U	1.0	YES	S3VEM
Aroclor-1242	Target	51	U	ug/kg	51	U	1.0	YES	S3VEM
Aroclor-1248	Target	51	U	ug/kg	51	U	1.0	YES	S3VEM
Aroclor-1254	Target	51	U	ug/kg	51	U	1.0	YES	S3VEM
Aroclor-1260	Target	51	U	ug/kg	51	U	1.0	YES	S3VEM
Aroclor-1262	Target	51	U	ug/kg	51	U	1.0	YES	S3VEM
Aroclor-1268	Target	51	U	ug/kg	51	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED24A

Sample Number: BG507	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: SED24/SW24	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 65.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	2.6	U	ug/kg	2.6	U	1.0	YES	S3VEM
beta-BHC	Target	2.6	U	ug/kg	2.6	U	1.0	YES	S3VEM
delta-BHC	Target	2.6	U	ug/kg	2.6	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	2.6	U	ug/kg	2.6	U	1.0	YES	S3VEM
Heptachlor	Target	2.6	U	ug/kg	2.6	U	1.0	YES	S3VEM
Aldrin	Target	2.6	U	ug/kg	2.6	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	2.6	U	ug/kg	2.6	U	1.0	YES	S3VEM
Endosulfan I	Target	2.6	U	ug/kg	2.6	U	1.0	YES	S3VEM
Dieldrin	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
4,4'-DDE	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Endrin	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Endosulfan II	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
4,4'-DDD	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
4,4'-DDT	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methoxychlor	Target	26	U	ug/kg	26	U	1.0	YES	S3VEM
Endrin ketone	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-Chlordane	Target	2.6	U	ug/kg	2.6	U	1.0	YES	S3VEM
trans-Chlordane	Target	2.6	U	ug/kg	2.6	U	1.0	YES	S3VEM
Toxaphene	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED24A

Sample Number: BG507	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SED24/SW24	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 65.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	100	U	ug/kg	100	U	1.0	YES	S3VEM
Benzaldehyde	Target	510	U	ug/kg	510	U	1.0	YES	S3VEM
Phenol	Target	510	U	ug/kg	310	J	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	510	U	ug/kg	510	U	1.0	YES	S3VEM
2-Chlorophenol	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
2-Methylphenol	Target	510	U	ug/kg	510	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	510	U	ug/kg	510	U	1.0	YES	S3VEM
Acetophenone	Target	510	U	ug/kg	510	U	1.0	YES	S3VEM
4-Methylphenol	Target	510	U	ug/kg	510	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
Hexachloroethane	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
Nitrobenzene	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
Isophorone	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
2-Nitrophenol	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
Naphthalene	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
4-Chloroaniline	Target	510	U	ug/kg	510	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
Caprolactam	Target	510	U	ug/kg	510	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	510	U	ug/kg	510	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
2-Nitroaniline	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
Dimethylphthalate	Target	280		ug/kg	280		1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
Acenaphthylene	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
3-Nitroaniline	Target	510	U	ug/kg	510	U	1.0	YES	S3VEM
Acenaphthene	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	510	U	ug/kg	510	U	1.0	YES	S3VEM
4-Nitrophenol	Target	510	U	ug/kg	510	U	1.0	YES	S3VEM
Dibenzofuran	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
Diethylphthalate	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
Fluorene	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
4-Nitroaniline	Target	510	U	ug/kg	510	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	510	U	ug/kg	510	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
Atrazine	Target	510	U	ug/kg	510	U	1.0	YES	S3VEM
Pentachlorophenol	Target	510	U	ug/kg	510	U	1.0	YES	S3VEM
Phenanthrene	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
Anthracene	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
Carbazole	Target	510	U	ug/kg	510	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED24A

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
Fluoranthene	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
Pyrene	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
Butylbenzylphthalate	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	510	U	ug/kg	510	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
Chrysene	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	510	U	ug/kg	510	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	260	U	ug/kg	260	U	1.0	YES	S3VEM
n-Hexadecanoic acid	TIC	120	JN	ug/kg	120	JN	1.0	YES	NV
Total Alkanes	TIC	130	N	ug/kg	130	N	1.0	YES	NV
Bromoacetic acid, octadecyl ester	TIC	280	JN	ug/kg	280	JN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED24A

Sample Number: BG507	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED24/SW24	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 65.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	8.5	U	ug/kg	8.5	U	1.0	YES	S3VEM
Chloromethane	Target	8.5	UJ	ug/kg	8.5	U	1.0	YES	S3VEM
Vinyl chloride	Target	8.5	U	ug/kg	8.5	U	1.0	YES	S3VEM
Bromomethane	Target	8.5	U	ug/kg	8.5	U	1.0	YES	S3VEM
Chloroethane	Target	8.5	U	ug/kg	8.5	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	8.5	U	ug/kg	8.5	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	8.5	UJ	ug/kg	8.5	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	8.5	U	ug/kg	8.5	U	1.0	YES	S3VEM
Acetone	Target	17	U	ug/kg	33		1.0	YES	S3VEM
Carbon disulfide	Target	3.9	J	ug/kg	3.9	J	1.0	YES	S3VEM
Methyl Acetate	Target	8.5	U	ug/kg	8.5	U	1.0	YES	S3VEM
Methylene chloride	Target	8.5	U	ug/kg	7.2	J	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	8.5	UJ	ug/kg	8.5	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	8.5	U	ug/kg	8.5	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	8.5	U	ug/kg	8.5	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	8.5	UJ	ug/kg	8.5	U	1.0	YES	S3VEM
2-Butanone	Target	17	U	ug/kg	17	U	1.0	YES	S3VEM
Bromochloromethane	Target	8.5	U	ug/kg	8.5	U	1.0	YES	S3VEM
Chloroform	Target	8.5	U	ug/kg	8.5	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	8.5	U	ug/kg	8.5	U	1.0	YES	S3VEM
Cyclohexane	Target	8.5	U	ug/kg	8.5	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	8.5	U	ug/kg	8.5	U	1.0	YES	S3VEM
Benzene	Target	8.5	U	ug/kg	8.5	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	8.5	U	ug/kg	8.5	U	1.0	YES	S3VEM
Trichloroethene	Target	8.5	U	ug/kg	8.5	U	1.0	YES	S3VEM
Methylcyclohexane	Target	8.5	U	ug/kg	8.5	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	8.5	U	ug/kg	8.5	U	1.0	YES	S3VEM
Bromodichloromethane	Target	8.5	U	ug/kg	8.5	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	8.5	U	ug/kg	8.5	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	17	U	ug/kg	17	U	1.0	YES	S3VEM
Toluene	Target	8.5	U	ug/kg	8.5	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	8.5	U	ug/kg	8.5	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	8.5	U	ug/kg	8.5	U	1.0	YES	S3VEM
Tetrachloroethene	Target	8.5	U	ug/kg	8.5	U	1.0	YES	S3VEM
2-Hexanone	Target	17	U	ug/kg	17	U	1.0	YES	S3VEM
Dibromochloromethane	Target	8.5	U	ug/kg	8.5	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	8.5	U	ug/kg	8.5	U	1.0	YES	S3VEM
Chlorobenzene	Target	8.5	U	ug/kg	8.5	U	1.0	YES	S3VEM
Ethylbenzene	Target	8.5	U	ug/kg	8.5	U	1.0	YES	S3VEM
o-Xylene	Target	8.5	U	ug/kg	8.5	U	1.0	YES	S3VEM
m,p-Xylene	Target	8.5	U	ug/kg	8.5	U	1.0	YES	S3VEM
Styrene	Target	8.5	U	ug/kg	8.5	U	1.0	YES	S3VEM
Bromoform	Target	8.5	U	ug/kg	8.5	U	1.0	YES	S3VEM
Isopropylbenzene	Target	8.5	U	ug/kg	8.5	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	8.5	U	ug/kg	8.5	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	8.5	U	ug/kg	8.5	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	8.5	U	ug/kg	8.5	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	8.5	U	ug/kg	8.5	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	8.5	U	ug/kg	8.5	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	8.5	U	ug/kg	8.5	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	8.5	U	ug/kg	8.5	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	8.5	U	ug/kg	8.5	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED24A

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	8.5	U	ug/kg	8.5	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	8.5	U	ug/kg	8.5	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED24B

Sample Number: BG508	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: SED24/SW24	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 58.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	56	U	ug/kg	56	U	1.0	YES	S3VEM
Aroclor-1221	Target	56	U	ug/kg	56	U	1.0	YES	S3VEM
Aroclor-1232	Target	56	U	ug/kg	56	U	1.0	YES	S3VEM
Aroclor-1242	Target	56	U	ug/kg	56	U	1.0	YES	S3VEM
Aroclor-1248	Target	56	U	ug/kg	56	U	1.0	YES	S3VEM
Aroclor-1254	Target	56	U	ug/kg	56	U	1.0	YES	S3VEM
Aroclor-1260	Target	56	U	ug/kg	56	U	1.0	YES	S3VEM
Aroclor-1262	Target	56	U	ug/kg	56	U	1.0	YES	S3VEM
Aroclor-1268	Target	56	U	ug/kg	56	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED24B

Sample Number: BG508	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: SED24/SW24	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 58.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	2.9	U	ug/kg	2.9	U	1.0	YES	S3VEM
beta-BHC	Target	2.9	U	ug/kg	2.9	U	1.0	YES	S3VEM
delta-BHC	Target	2.9	U	ug/kg	2.9	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	2.9	U	ug/kg	2.9	U	1.0	YES	S3VEM
Heptachlor	Target	2.9	U	ug/kg	2.9	U	1.0	YES	S3VEM
Aldrin	Target	2.9	U	ug/kg	2.9	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	2.9	U	ug/kg	2.9	U	1.0	YES	S3VEM
Endosulfan I	Target	2.9	U	ug/kg	2.9	U	1.0	YES	S3VEM
Dieldrin	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
4,4'-DDE	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
Endrin	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
Endosulfan II	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
4,4'-DDD	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
4,4'-DDT	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
Methoxychlor	Target	29	U	ug/kg	29	U	1.0	YES	S3VEM
Endrin ketone	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
cis-Chlordane	Target	2.9	U	ug/kg	2.9	U	1.0	YES	S3VEM
trans-Chlordane	Target	2.9	U	ug/kg	2.9	U	1.0	YES	S3VEM
Toxaphene	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED24B

Sample Number: BG508	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SED24/SW24	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 58.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	110	U	ug/kg	110	U	1.0	YES	S3VEM
Benzaldehyde	Target	560	U	ug/kg	560	U	1.0	YES	S3VEM
Phenol	Target	560	U	ug/kg	190	J	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	560	U	ug/kg	560	U	1.0	YES	S3VEM
2-Chlorophenol	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
2-Methylphenol	Target	560	U	ug/kg	560	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	560	U	ug/kg	560	U	1.0	YES	S3VEM
Acetophenone	Target	560	U	ug/kg	560	U	1.0	YES	S3VEM
4-Methylphenol	Target	560	U	ug/kg	560	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
Hexachloroethane	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
Nitrobenzene	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
Isophorone	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
2-Nitrophenol	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
Naphthalene	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
4-Chloroaniline	Target	560	U	ug/kg	560	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
Caprolactam	Target	560	U	ug/kg	560	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	560	U	ug/kg	560	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
2-Nitroaniline	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
Dimethylphthalate	Target	280	J	ug/kg	280	J	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
Acenaphthylene	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
3-Nitroaniline	Target	560	U	ug/kg	560	U	1.0	YES	S3VEM
Acenaphthene	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	560	U	ug/kg	560	U	1.0	YES	S3VEM
4-Nitrophenol	Target	560	U	ug/kg	560	U	1.0	YES	S3VEM
Dibenzofuran	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
Diethylphthalate	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
Fluorene	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
4-Nitroaniline	Target	560	U	ug/kg	560	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	560	U	ug/kg	560	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
Atrazine	Target	560	U	ug/kg	560	U	1.0	YES	S3VEM
Pentachlorophenol	Target	560	U	ug/kg	560	U	1.0	YES	S3VEM
Phenanthrene	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED24B

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Anthracene	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
Carbazole	Target	560	U	ug/kg	560	U	1.0	YES	S3VEM
Di-n-butylphthalate	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
Fluoranthene	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
Pyrene	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
Butylbenzylphthalate	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	560	U	ug/kg	560	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
Chrysene	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	560	U	ug/kg	560	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	290	U	ug/kg	290	U	1.0	YES	S3VEM
Total Alkanes	TIC	120	N	ug/kg	120	N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED24B

Sample Number: BG508	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED24/SW24	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 58.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S3VEM
Chloromethane	Target	8.2	UJ	ug/kg	8.2	U	1.0	YES	S3VEM
Vinyl chloride	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S3VEM
Bromomethane	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S3VEM
Chloroethane	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	8.2	UJ	ug/kg	8.2	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S3VEM
Acetone	Target	16	U	ug/kg	16		1.0	YES	S3VEM
Carbon disulfide	Target	4.8	J	ug/kg	4.8	J	1.0	YES	S3VEM
Methyl Acetate	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S3VEM
Methylene chloride	Target	8.2	U	ug/kg	7.1	J	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	8.2	UJ	ug/kg	8.2	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	8.2	UJ	ug/kg	8.2	U	1.0	YES	S3VEM
2-Butanone	Target	16	U	ug/kg	16	U	1.0	YES	S3VEM
Bromochloromethane	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S3VEM
Chloroform	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S3VEM
Cyclohexane	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S3VEM
Benzene	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S3VEM
Trichloroethene	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S3VEM
Methylcyclohexane	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S3VEM
Bromodichloromethane	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	16	U	ug/kg	16	U	1.0	YES	S3VEM
Toluene	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S3VEM
Tetrachloroethene	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S3VEM
2-Hexanone	Target	16	U	ug/kg	16	U	1.0	YES	S3VEM
Dibromochloromethane	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S3VEM
Chlorobenzene	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S3VEM
Ethylbenzene	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S3VEM
o-Xylene	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S3VEM
m,p-Xylene	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S3VEM
Styrene	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S3VEM
Bromoform	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S3VEM
Isopropylbenzene	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED24B

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	8.2	U	ug/kg	8.2	U	1.0	YES	S3VEM
7H-Dibenzo[b,g]carbazole, 7-methyl	TIC	5	JN	ug/kg	5	JN	1.0	YES	NV
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED24C

Sample Number: BG509	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: SED24/SW24	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 44	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	75	U	ug/kg	75	U	1.0	YES	S3VEM
Aroclor-1221	Target	75	U	ug/kg	75	U	1.0	YES	S3VEM
Aroclor-1232	Target	75	U	ug/kg	75	U	1.0	YES	S3VEM
Aroclor-1242	Target	75	U	ug/kg	75	U	1.0	YES	S3VEM
Aroclor-1248	Target	61	J	ug/kg	61	J	1.0	YES	S3VEM
Aroclor-1254	Target	31	J	ug/kg	31	J	1.0	YES	S3VEM
Aroclor-1260	Target	75	U	ug/kg	75	U	1.0	YES	S3VEM
Aroclor-1262	Target	75	U	ug/kg	75	U	1.0	YES	S3VEM
Aroclor-1268	Target	75	U	ug/kg	75	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED24C

Sample Number: BG509	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: SED24/SW24	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 44	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	3.9	U	ug/kg	3.9	U	1.0	YES	S3VEM
beta-BHC	Target	3.9	U	ug/kg	3.9	U	1.0	YES	S3VEM
delta-BHC	Target	3.9	U	ug/kg	3.9	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	3.9	U	ug/kg	3.9	U	1.0	YES	S3VEM
Heptachlor	Target	3.9	U	ug/kg	3.9	U	1.0	YES	S3VEM
Aldrin	Target	3.9	U	ug/kg	3.9	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	3.9	U	ug/kg	3.9	U	1.0	YES	S3VEM
Endosulfan I	Target	3.9	U	ug/kg	3.9	U	1.0	YES	S3VEM
Dieldrin	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.52	J	ug/kg	0.52	JP	1.0	YES	S3VEM
Endrin	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S3VEM
Endosulfan II	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S3VEM
4,4'-DDD	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S3VEM
4,4'-DDT	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S3VEM
Methoxychlor	Target	39	U	ug/kg	39	U	1.0	YES	S3VEM
Endrin ketone	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S3VEM
cis-Chlordane	Target	3.9	U	ug/kg	3.9	U	1.0	YES	S3VEM
trans-Chlordane	Target	3.9	U	ug/kg	3.9	U	1.0	YES	S3VEM
Toxaphene	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED24C

Sample Number: BG509	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SED24/SW24	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 44	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	150	U	ug/kg	150	U	1.0	YES	S3VEM
Benzaldehyde	Target	750	U	ug/kg	750	U	1.0	YES	S3VEM
Phenol	Target	750	U	ug/kg	240	J	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	750	U	ug/kg	750	U	1.0	YES	S3VEM
2-Chlorophenol	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
2-Methylphenol	Target	750	U	ug/kg	750	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	750	U	ug/kg	750	U	1.0	YES	S3VEM
Acetophenone	Target	750	U	ug/kg	750	U	1.0	YES	S3VEM
4-Methylphenol	Target	750	U	ug/kg	750	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Hexachloroethane	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Nitrobenzene	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Isophorone	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
2-Nitrophenol	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Naphthalene	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
4-Chloroaniline	Target	750	U	ug/kg	750	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Caprolactam	Target	750	U	ug/kg	750	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	750	U	ug/kg	750	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
2-Nitroaniline	Target	390	UJ	ug/kg	390	U	1.0	YES	S3VEM
Dimethylphthalate	Target	420		ug/kg	420		1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Acenaphthylene	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
3-Nitroaniline	Target	750	UJ	ug/kg	750	U	1.0	YES	S3VEM
Acenaphthene	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	750	UJ	ug/kg	750	U	1.0	YES	S3VEM
4-Nitrophenol	Target	750	UJ	ug/kg	750	U	1.0	YES	S3VEM
Dibenzofuran	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Diethylphthalate	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Fluorene	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
4-Nitroaniline	Target	750	UJ	ug/kg	750	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	750	U	ug/kg	750	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Atrazine	Target	750	U	ug/kg	750	U	1.0	YES	S3VEM
Pentachlorophenol	Target	750	U	ug/kg	750	U	1.0	YES	S3VEM
Phenanthrene	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Anthracene	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Carbazole	Target	750	U	ug/kg	750	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED24C

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Fluoranthene	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Pyrene	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Butylbenzylphthalate	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	750	U	ug/kg	750	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Chrysene	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	750	U	ug/kg	750	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
2,4,7,9-Tetramethyl-5-decyn-4,7-di	TIC	170	JN	ug/kg	170	JN	1.0	YES	NV
Total Alkanes	TIC	150	N	ug/kg	150	N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED24C

Sample Number: BG509	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED24/SW24	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 44	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
Chloromethane	Target	18	UJ	ug/kg	18	U	1.0	YES	S3VEM
Vinyl chloride	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
Bromomethane	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
Chloroethane	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	18	UJ	ug/kg	18	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
Acetone	Target	92		ug/kg	92		1.0	YES	S3VEM
Carbon disulfide	Target	9.6	J	ug/kg	9.6	J	1.0	YES	S3VEM
Methyl Acetate	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
Methylene chloride	Target	18	U	ug/kg	17	J	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	18	UJ	ug/kg	18	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	18	UJ	ug/kg	18	U	1.0	YES	S3VEM
2-Butanone	Target	37	U	ug/kg	37	U	1.0	YES	S3VEM
Bromochloromethane	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
Chloroform	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
Cyclohexane	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
Benzene	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
Trichloroethene	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
Methylcyclohexane	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
Bromodichloromethane	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	37	U	ug/kg	37	U	1.0	YES	S3VEM
Toluene	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
Tetrachloroethene	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
2-Hexanone	Target	37	U	ug/kg	37	U	1.0	YES	S3VEM
Dibromochloromethane	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
Chlorobenzene	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
Ethylbenzene	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
o-Xylene	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
m,p-Xylene	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
Styrene	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
Bromoform	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
Isopropylbenzene	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED24C

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED25A

Sample Number: BG510	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: SED25/SW25	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 75.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	44	U	ug/kg	44	U	1.0	YES	S3VEM
Aroclor-1221	Target	44	U	ug/kg	44	U	1.0	YES	S3VEM
Aroclor-1232	Target	44	U	ug/kg	44	U	1.0	YES	S3VEM
Aroclor-1242	Target	44	U	ug/kg	44	U	1.0	YES	S3VEM
Aroclor-1248	Target	44	U	ug/kg	44	U	1.0	YES	S3VEM
Aroclor-1254	Target	44	U	ug/kg	44	U	1.0	YES	S3VEM
Aroclor-1260	Target	44	U	ug/kg	44	U	1.0	YES	S3VEM
Aroclor-1262	Target	44	U	ug/kg	44	U	1.0	YES	S3VEM
Aroclor-1268	Target	44	U	ug/kg	44	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED25A

Sample Number: BG510	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: SED25/SW25	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 75.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
beta-BHC	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
delta-BHC	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
Heptachlor	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
Aldrin	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
Endosulfan I	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
Dieldrin	Target	4.4	U	ug/kg	4.4	U	1.0	YES	S3VEM
4,4'-DDE	Target	4.4	U	ug/kg	4.4	U	1.0	YES	S3VEM
Endrin	Target	4.4	U	ug/kg	4.4	U	1.0	YES	S3VEM
Endosulfan II	Target	4.4	U	ug/kg	4.4	U	1.0	YES	S3VEM
4,4'-DDD	Target	4.4	U	ug/kg	4.4	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	4.4	U	ug/kg	4.4	U	1.0	YES	S3VEM
4,4'-DDT	Target	4.4	U	ug/kg	4.4	U	1.0	YES	S3VEM
Methoxychlor	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
Endrin ketone	Target	4.4	U	ug/kg	4.4	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	4.4	U	ug/kg	4.4	U	1.0	YES	S3VEM
cis-Chlordane	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
trans-Chlordane	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
Toxaphene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED25A

Sample Number: BG510	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SED25/SW25	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 75.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	88	U	ug/kg	88	U	1.0	YES	S3VEM
Benzaldehyde	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
Phenol	Target	440	U	ug/kg	270	J	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
2-Chlorophenol	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2-Methylphenol	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
Acetophenone	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
4-Methylphenol	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Hexachloroethane	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Nitrobenzene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Isophorone	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2-Nitrophenol	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Naphthalene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
4-Chloroaniline	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Caprolactam	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2-Nitroaniline	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Dimethylphthalate	Target	260		ug/kg	260		1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Acenaphthylene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
3-Nitroaniline	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
Acenaphthene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
4-Nitrophenol	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
Dibenzofuran	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Diethylphthalate	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Fluorene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
4-Nitroaniline	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Atrazine	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
Pentachlorophenol	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
Phenanthrene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED25A

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Anthracene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Carbazole	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
Di-n-butylphthalate	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Fluoranthene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Pyrene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Butylbenzylphthalate	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Chrysene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
n-Hexadecanoic acid	TIC	160	JN	ug/kg	160	JN	1.0	YES	NV
Heptadecyl trifluoroacetate	TIC	170	JN	ug/kg	170	JN	1.0	YES	NV
Total Alkanes	TIC	100	N	ug/kg	100	N	1.0	YES	NV
Heptacosane, 1-chloro-	TIC	97	JN	ug/kg	97	JN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED25A

Sample Number: BG510	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED25/SW25	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 75.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
Chloromethane	Target	6.4	UJ	ug/kg	6.4	U	1.0	YES	S3VEM
Vinyl chloride	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
Bromomethane	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
Chloroethane	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	6.4	UJ	ug/kg	6.4	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
Acetone	Target	31		ug/kg	31		1.0	YES	S3VEM
Carbon disulfide	Target	0.92	J	ug/kg	0.92	J	1.0	YES	S3VEM
Methyl Acetate	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
Methylene chloride	Target	6.4	U	ug/kg	4.8	J	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	6.4	UJ	ug/kg	6.4	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	6.4	UJ	ug/kg	6.4	U	1.0	YES	S3VEM
2-Butanone	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Bromochloromethane	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
Chloroform	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
Cyclohexane	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
Benzene	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
Trichloroethene	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
Methylcyclohexane	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
Bromodichloromethane	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Toluene	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
Tetrachloroethene	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
2-Hexanone	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Dibromochloromethane	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
Chlorobenzene	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
Ethylbenzene	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
o-Xylene	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
m,p-Xylene	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
Styrene	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
Bromoform	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
Isopropylbenzene	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED25A

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED25B

Sample Number: BG511	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: SED25/SW25	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 56.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	58	U	ug/kg	58	U	1.0	YES	S3VEM
Aroclor-1221	Target	58	U	ug/kg	58	U	1.0	YES	S3VEM
Aroclor-1232	Target	58	U	ug/kg	58	U	1.0	YES	S3VEM
Aroclor-1242	Target	58	U	ug/kg	58	U	1.0	YES	S3VEM
Aroclor-1248	Target	58	U	ug/kg	58	U	1.0	YES	S3VEM
Aroclor-1254	Target	58	U	ug/kg	58	U	1.0	YES	S3VEM
Aroclor-1260	Target	58	U	ug/kg	58	U	1.0	YES	S3VEM
Aroclor-1262	Target	58	U	ug/kg	58	U	1.0	YES	S3VEM
Aroclor-1268	Target	58	U	ug/kg	58	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED25B

Sample Number: BG511	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: SED25/SW25	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 56.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	3.0	U	ug/kg	3.0	U	1.0	YES	S3VEM
beta-BHC	Target	3.0	U	ug/kg	3.0	U	1.0	YES	S3VEM
delta-BHC	Target	3.0	U	ug/kg	3.0	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	3.0	U	ug/kg	3.0	U	1.0	YES	S3VEM
Heptachlor	Target	3.0	U	ug/kg	3.0	U	1.0	YES	S3VEM
Aldrin	Target	3.0	U	ug/kg	3.0	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	3.0	U	ug/kg	3.0	U	1.0	YES	S3VEM
Endosulfan I	Target	3.0	U	ug/kg	3.0	U	1.0	YES	S3VEM
Dieldrin	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S3VEM
4,4'-DDE	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S3VEM
Endrin	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S3VEM
Endosulfan II	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S3VEM
4,4'-DDD	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S3VEM
4,4'-DDT	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S3VEM
Methoxychlor	Target	30	U	ug/kg	30	U	1.0	YES	S3VEM
Endrin ketone	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	5.8	U	ug/kg	5.8	U	1.0	YES	S3VEM
cis-Chlordane	Target	3.0	U	ug/kg	3.0	U	1.0	YES	S3VEM
trans-Chlordane	Target	3.0	U	ug/kg	3.0	U	1.0	YES	S3VEM
Toxaphene	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED25B

Sample Number: BG511	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SED25/SW25	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 56.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	120	U	ug/kg	120	U	1.0	YES	S3VEM
Benzaldehyde	Target	580	U	ug/kg	580	U	1.0	YES	S3VEM
Phenol	Target	580	U	ug/kg	330	J	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	580	U	ug/kg	580	U	1.0	YES	S3VEM
2-Chlorophenol	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
2-Methylphenol	Target	580	U	ug/kg	580	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	580	U	ug/kg	580	U	1.0	YES	S3VEM
Acetophenone	Target	580	U	ug/kg	580	U	1.0	YES	S3VEM
4-Methylphenol	Target	580	U	ug/kg	580	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
Hexachloroethane	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
Nitrobenzene	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
Isophorone	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
2-Nitrophenol	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
Naphthalene	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
4-Chloroaniline	Target	580	U	ug/kg	580	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
Caprolactam	Target	580	U	ug/kg	580	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	580	U	ug/kg	580	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
2-Nitroaniline	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
Dimethylphthalate	Target	370		ug/kg	370		1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
Acenaphthylene	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
3-Nitroaniline	Target	580	U	ug/kg	580	U	1.0	YES	S3VEM
Acenaphthene	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	580	U	ug/kg	580	U	1.0	YES	S3VEM
4-Nitrophenol	Target	580	U	ug/kg	580	U	1.0	YES	S3VEM
Dibenzofuran	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
Diethylphthalate	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
Fluorene	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
4-Nitroaniline	Target	580	U	ug/kg	580	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	580	U	ug/kg	580	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
Atrazine	Target	580	U	ug/kg	580	U	1.0	YES	S3VEM
Pentachlorophenol	Target	580	U	ug/kg	580	U	1.0	YES	S3VEM
Phenanthrene	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED25B

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Anthracene	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
Carbazole	Target	580	U	ug/kg	580	U	1.0	YES	S3VEM
Di-n-butylphthalate	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
Fluoranthene	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
Pyrene	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
Butylbenzylphthalate	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	580	U	ug/kg	580	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
Chrysene	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	580	U	ug/kg	580	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	300	U	ug/kg	300	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV
Octacosanol	TIC	250	JN	ug/kg	250	JN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED25B

Sample Number: BG511	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED25/SW25	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 56.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Chloromethane	Target	12	UJ	ug/kg	12	U	1.0	YES	S3VEM
Vinyl chloride	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Bromomethane	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Chloroethane	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	12	UJ	ug/kg	12	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Acetone	Target	53		ug/kg	53		1.0	YES	S3VEM
Carbon disulfide	Target	7	J	ug/kg	7	J	1.0	YES	S3VEM
Methyl Acetate	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Methylene chloride	Target	12	U	ug/kg	9.1	J	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	12	UJ	ug/kg	12	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	12	UJ	ug/kg	12	U	1.0	YES	S3VEM
2-Butanone	Target	23	U	ug/kg	23	U	1.0	YES	S3VEM
Bromochloromethane	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Chloroform	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Cyclohexane	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Benzene	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Trichloroethene	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Methylcyclohexane	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Bromodichloromethane	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	23	U	ug/kg	23	U	1.0	YES	S3VEM
Toluene	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Tetrachloroethene	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
2-Hexanone	Target	23	U	ug/kg	23	U	1.0	YES	S3VEM
Dibromochloromethane	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Chlorobenzene	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Ethylbenzene	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
o-Xylene	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
m,p-Xylene	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Styrene	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Bromoform	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Isopropylbenzene	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED25B

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED25C

Sample Number: BG512	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: SED25/SW25	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 25.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	130	UJ	ug/kg	130	U	1.0	YES	S3VEM
Aroclor-1221	Target	130	UJ	ug/kg	130	U	1.0	YES	S3VEM
Aroclor-1232	Target	130	UJ	ug/kg	130	U	1.0	YES	S3VEM
Aroclor-1242	Target	130	UJ	ug/kg	130	U	1.0	YES	S3VEM
Aroclor-1248	Target	130	UJ	ug/kg	130	U	1.0	YES	S3VEM
Aroclor-1254	Target	130	UJ	ug/kg	130	U	1.0	YES	S3VEM
Aroclor-1260	Target	130	UJ	ug/kg	130	U	1.0	YES	S3VEM
Aroclor-1262	Target	130	UJ	ug/kg	130	U	1.0	YES	S3VEM
Aroclor-1268	Target	130	UJ	ug/kg	130	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED25C

Sample Number: BG512	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: SED25/SW25	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 25.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	6.5	UJ	ug/kg	6.5	U	1.0	YES	S3VEM
beta-BHC	Target	6.5	UJ	ug/kg	6.5	U	1.0	YES	S3VEM
delta-BHC	Target	6.5	UJ	ug/kg	6.5	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	6.5	UJ	ug/kg	6.5	U	1.0	YES	S3VEM
Heptachlor	Target	6.5	UJ	ug/kg	6.5	U	1.0	YES	S3VEM
Aldrin	Target	6.5	UJ	ug/kg	6.5	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	6.5	UJ	ug/kg	6.5	U	1.0	YES	S3VEM
Endosulfan I	Target	6.5	UJ	ug/kg	6.5	U	1.0	YES	S3VEM
Dieldrin	Target	13	UJ	ug/kg	13	U	1.0	YES	S3VEM
4,4'-DDE	Target	13	UJ	ug/kg	13	U	1.0	YES	S3VEM
Endrin	Target	13	UJ	ug/kg	13	U	1.0	YES	S3VEM
Endosulfan II	Target	13	UJ	ug/kg	13	U	1.0	YES	S3VEM
4,4'-DDD	Target	13	UJ	ug/kg	13	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	13	UJ	ug/kg	13	U	1.0	YES	S3VEM
4,4'-DDT	Target	13	UJ	ug/kg	13	U	1.0	YES	S3VEM
Methoxychlor	Target	65	UJ	ug/kg	65	U	1.0	YES	S3VEM
Endrin ketone	Target	13	UJ	ug/kg	13	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	13	UJ	ug/kg	13	U	1.0	YES	S3VEM
cis-Chlordane	Target	6.5	UJ	ug/kg	6.5	U	1.0	YES	S3VEM
trans-Chlordane	Target	6.5	UJ	ug/kg	6.5	U	1.0	YES	S3VEM
Toxaphene	Target	650	UJ	ug/kg	650	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED25C

Sample Number: BG512	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SED25/SW25	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 25.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	260	UJ	ug/kg	260	U	1.0	YES	S3VEM
Benzaldehyde	Target	1300	UJ	ug/kg	1300	U	1.0	YES	S3VEM
Phenol	Target	1300	UJ	ug/kg	490	J	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	1300	UJ	ug/kg	1300	U	1.0	YES	S3VEM
2-Chlorophenol	Target	650	UJ	ug/kg	650	U	1.0	YES	S3VEM
2-Methylphenol	Target	1300	UJ	ug/kg	1300	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	1300	UJ	ug/kg	1300	U	1.0	YES	S3VEM
Acetophenone	Target	1300	UJ	ug/kg	1300	U	1.0	YES	S3VEM
4-Methylphenol	Target	1300	UJ	ug/kg	1300	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	650	UJ	ug/kg	650	U	1.0	YES	S3VEM
Hexachloroethane	Target	650	UJ	ug/kg	650	U	1.0	YES	S3VEM
Nitrobenzene	Target	650	UJ	ug/kg	650	U	1.0	YES	S3VEM
Isophorone	Target	650	UJ	ug/kg	650	U	1.0	YES	S3VEM
2-Nitrophenol	Target	650	UJ	ug/kg	650	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	650	UJ	ug/kg	650	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	650	UJ	ug/kg	650	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	650	UJ	ug/kg	650	U	1.0	YES	S3VEM
Naphthalene	Target	650	UJ	ug/kg	650	U	1.0	YES	S3VEM
4-Chloroaniline	Target	1300	UJ	ug/kg	1300	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	650	UJ	ug/kg	650	U	1.0	YES	S3VEM
Caprolactam	Target	1300	UJ	ug/kg	1300	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	650	UJ	ug/kg	650	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	650	UJ	ug/kg	650	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	650	UJ	ug/kg	650	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	1300	UJ	ug/kg	1300	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	650	UJ	ug/kg	650	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	650	UJ	ug/kg	650	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	650	UJ	ug/kg	650	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	650	UJ	ug/kg	650	U	1.0	YES	S3VEM
2-Nitroaniline	Target	650	UJ	ug/kg	650	U	1.0	YES	S3VEM
Dimethylphthalate	Target	500	UJ	ug/kg	500	J	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	650	UJ	ug/kg	650	U	1.0	YES	S3VEM
Acenaphthylene	Target	650	UJ	ug/kg	650	U	1.0	YES	S3VEM
3-Nitroaniline	Target	1300	UJ	ug/kg	1300	U	1.0	YES	S3VEM
Acenaphthene	Target	650	UJ	ug/kg	650	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	1300	UJ	ug/kg	1300	U	1.0	YES	S3VEM
4-Nitrophenol	Target	1300	UJ	ug/kg	1300	U	1.0	YES	S3VEM
Dibenzofuran	Target	650	UJ	ug/kg	650	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	650	UJ	ug/kg	650	U	1.0	YES	S3VEM
Diethylphthalate	Target	650	UJ	ug/kg	650	U	1.0	YES	S3VEM
Fluorene	Target	650	UJ	ug/kg	650	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	650	UJ	ug/kg	650	U	1.0	YES	S3VEM
4-Nitroaniline	Target	1300	UJ	ug/kg	1300	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	1300	UJ	ug/kg	1300	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	650	UJ	ug/kg	650	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	650	UJ	ug/kg	650	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	650	UJ	ug/kg	650	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	650	UJ	ug/kg	650	U	1.0	YES	S3VEM
Atrazine	Target	1300	UJ	ug/kg	1300	U	1.0	YES	S3VEM
Pentachlorophenol	Target	1300	UJ	ug/kg	1300	U	1.0	YES	S3VEM
Phenanthrene	Target	650	UJ	ug/kg	650	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED25C

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Anthracene	Target	650	UJ	ug/kg	650	U	1.0	YES	S3VEM
Carbazole	Target	1300	UJ	ug/kg	1300	U	1.0	YES	S3VEM
Di-n-butylphthalate	Target	650	UJ	ug/kg	650	U	1.0	YES	S3VEM
Fluoranthene	Target	650	UJ	ug/kg	650	U	1.0	YES	S3VEM
Pyrene	Target	650	UJ	ug/kg	650	U	1.0	YES	S3VEM
Butylbenzylphthalate	Target	650	UJ	ug/kg	650	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	1300	UJ	ug/kg	1300	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	650	UJ	ug/kg	650	U	1.0	YES	S3VEM
Chrysene	Target	650	UJ	ug/kg	650	U	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	650	UJ	ug/kg	650	U	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	1300	UJ	ug/kg	1300	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	650	UJ	ug/kg	650	U	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	650	UJ	ug/kg	650	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	650	UJ	ug/kg	650	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	650	UJ	ug/kg	650	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	650	UJ	ug/kg	650	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	650	UJ	ug/kg	650	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	650	UJ	ug/kg	650	U	1.0	YES	S3VEM
Total Alkanes	TIC	300	N	ug/kg	300	N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED25C

Sample Number: BG512	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED25/SW25	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 25.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	35	UJ	ug/kg	35	U	1.0	YES	S3VEM
Chloromethane	Target	35	UJ	ug/kg	35	U	1.0	YES	S3VEM
Vinyl chloride	Target	35	UJ	ug/kg	35	U	1.0	YES	S3VEM
Bromomethane	Target	35	UJ	ug/kg	35	U	1.0	YES	S3VEM
Chloroethane	Target	35	UJ	ug/kg	35	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	35	UJ	ug/kg	35	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	35	UJ	ug/kg	35	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	35	UJ	ug/kg	35	U	1.0	YES	S3VEM
Acetone	Target	920	J	ug/kg	920		1.0	YES	S3VEM
Carbon disulfide	Target	130	J	ug/kg	130		1.0	YES	S3VEM
Methyl Acetate	Target	35	UJ	ug/kg	35	U	1.0	YES	S3VEM
Methylene chloride	Target	35	UJ	ug/kg	28	J	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	35	UJ	ug/kg	35	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	35	UJ	ug/kg	35	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	35	UJ	ug/kg	35	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	35	UJ	ug/kg	35	U	1.0	YES	S3VEM
2-Butanone	Target	230	J	ug/kg	230		1.0	YES	S3VEM
Bromochloromethane	Target	35	UJ	ug/kg	35	U	1.0	YES	S3VEM
Chloroform	Target	35	UJ	ug/kg	35	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	35	UJ	ug/kg	35	U	1.0	YES	S3VEM
Cyclohexane	Target	35	UJ	ug/kg	35	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	35	UJ	ug/kg	35	U	1.0	YES	S3VEM
Benzene	Target	35	UJ	ug/kg	35	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	35	UJ	ug/kg	35	U	1.0	YES	S3VEM
Trichloroethene	Target	35	UJ	ug/kg	35	U	1.0	YES	S3VEM
Methylcyclohexane	Target	35	UJ	ug/kg	35	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	35	UJ	ug/kg	35	U	1.0	YES	S3VEM
Bromodichloromethane	Target	35	UJ	ug/kg	35	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	35	UJ	ug/kg	35	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	70	UJ	ug/kg	70	U	1.0	YES	S3VEM
Toluene	Target	35	UJ	ug/kg	4.2	JB	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	35	UJ	ug/kg	35	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	35	UJ	ug/kg	35	U	1.0	YES	S3VEM
Tetrachloroethene	Target	35	UJ	ug/kg	35	U	1.0	YES	S3VEM
2-Hexanone	Target	70	UJ	ug/kg	70	U	1.0	YES	S3VEM
Dibromochloromethane	Target	35	UJ	ug/kg	35	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	35	UJ	ug/kg	35	U	1.0	YES	S3VEM
Chlorobenzene	Target	35	UJ	ug/kg	35	U	1.0	YES	S3VEM
Ethylbenzene	Target	35	UJ	ug/kg	35	U	1.0	YES	S3VEM
o-Xylene	Target	35	UJ	ug/kg	35	U	1.0	YES	S3VEM
m,p-Xylene	Target	35	UJ	ug/kg	35	U	1.0	YES	S3VEM
Styrene	Target	35	UJ	ug/kg	35	U	1.0	YES	S3VEM
Bromoform	Target	35	UJ	ug/kg	35	U	1.0	YES	S3VEM
Isopropylbenzene	Target	35	UJ	ug/kg	35	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	35	UJ	ug/kg	35	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	35	UJ	ug/kg	35	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	35	UJ	ug/kg	35	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	35	UJ	ug/kg	35	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	35	UJ	ug/kg	35	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	35	UJ	ug/kg	35	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	35	UJ	ug/kg	35	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	35	UJ	ug/kg	35	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED25C

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	35	UJ	ug/kg	35	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	35	UJ	ug/kg	35	U	1.0	YES	S3VEM
Total Alkanes	TIC	230	BN	ug/kg	230	BN	1.0	YES	NV
unknown-02	TIC	28	J	ug/kg	28	J	1.0	YES	NV
Butane, 2-azido-2,3,3-trimethyl-	TIC	30	JN	ug/kg	30	JN	1.0	YES	NV
unknown-01	TIC	23	J	ug/kg	23	J	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Sample Number: BG512ME	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED25/SW25	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 25.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	2400	UJ	ug/kg	2400	U	1.0	NO	S3VEM
Chloromethane	Target	2400	UJ	ug/kg	2400	U	1.0	NO	S3VEM
Vinyl chloride	Target	2400	UJ	ug/kg	2400	U	1.0	NO	S3VEM
Bromomethane	Target	2400	UJ	ug/kg	2400	U	1.0	NO	S3VEM
Chloroethane	Target	2400	UJ	ug/kg	2400	U	1.0	NO	S3VEM
Trichlorofluoromethane	Target	2400	UJ	ug/kg	2400	U	1.0	NO	S3VEM
1,1-Dichloroethene	Target	2400	UJ	ug/kg	2400	U	1.0	NO	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	2400	UJ	ug/kg	2400	U	1.0	NO	S3VEM
Acetone	Target	4900	UJ	ug/kg	4900	U	1.0	NO	S3VEM
Carbon disulfide	Target	2400	UJ	ug/kg	2400	U	1.0	NO	S3VEM
Methyl Acetate	Target	2400	UJ	ug/kg	2400	U	1.0	NO	S3VEM
Methylene chloride	Target	2400	UJ	ug/kg	2400	U	1.0	NO	S3VEM
trans-1,2-Dichloroethene	Target	2400	UJ	ug/kg	2400	U	1.0	NO	S3VEM
Methyl tert-butyl Ether	Target	2400	UJ	ug/kg	2400	U	1.0	NO	S3VEM
1,1-Dichloroethane	Target	2400	UJ	ug/kg	2400	U	1.0	NO	S3VEM
cis-1,2-Dichloroethene	Target	2400	UJ	ug/kg	2400	U	1.0	NO	S3VEM
2-Butanone	Target	4900	UJ	ug/kg	4900	U	1.0	NO	S3VEM
Bromochloromethane	Target	2400	UJ	ug/kg	2400	U	1.0	NO	S3VEM
Chloroform	Target	2400	UJ	ug/kg	2400	U	1.0	NO	S3VEM
1,1,1-Trichloroethane	Target	2400	UJ	ug/kg	2400	U	1.0	NO	S3VEM
Cyclohexane	Target	2400	UJ	ug/kg	2400	U	1.0	NO	S3VEM
Carbon tetrachloride	Target	2400	UJ	ug/kg	2400	U	1.0	NO	S3VEM
Benzene	Target	2400	UJ	ug/kg	2400	U	1.0	NO	S3VEM
1,2-Dichloroethane	Target	2400	UJ	ug/kg	2400	U	1.0	NO	S3VEM
Trichloroethene	Target	2400	UJ	ug/kg	2400	U	1.0	NO	S3VEM
Methylcyclohexane	Target	2400	UJ	ug/kg	2400	U	1.0	NO	S3VEM
1,2-Dichloropropane	Target	2400	UJ	ug/kg	2400	U	1.0	NO	S3VEM
Bromodichloromethane	Target	2400	UJ	ug/kg	2400	U	1.0	NO	S3VEM
cis-1,3-Dichloropropene	Target	2400	UJ	ug/kg	2400	U	1.0	NO	S3VEM
4-Methyl-2-pentanone	Target	4900	UJ	ug/kg	4900	U	1.0	NO	S3VEM
Toluene	Target	2400	UJ	ug/kg	2400	U	1.0	NO	S3VEM
trans-1,3-Dichloropropene	Target	2400	UJ	ug/kg	2400	U	1.0	NO	S3VEM
1,1,2-Trichloroethane	Target	2400	UJ	ug/kg	2400	U	1.0	NO	S3VEM
Tetrachloroethene	Target	2400	UJ	ug/kg	2400	U	1.0	NO	S3VEM
2-Hexanone	Target	4900	UJ	ug/kg	4900	U	1.0	NO	S3VEM
Dibromochloromethane	Target	2400	UJ	ug/kg	2400	U	1.0	NO	S3VEM
1,2-Dibromoethane	Target	2400	UJ	ug/kg	2400	U	1.0	NO	S3VEM
Chlorobenzene	Target	2400	UJ	ug/kg	2400	U	1.0	NO	S3VEM
Ethylbenzene	Target	2400	UJ	ug/kg	2400	U	1.0	NO	S3VEM
o-Xylene	Target	2400	UJ	ug/kg	2400	U	1.0	NO	S3VEM
m,p-Xylene	Target	2400	UJ	ug/kg	2400	U	1.0	NO	S3VEM
Styrene	Target	2400	UJ	ug/kg	2400	U	1.0	NO	S3VEM
Bromoform	Target	2400	UJ	ug/kg	2400	U	1.0	NO	S3VEM
Isopropylbenzene	Target	2400	UJ	ug/kg	2400	U	1.0	NO	S3VEM
1,2,3-Trichloropropane	Target	2400	UJ	ug/kg	2400	U	1.0	NO	S3VEM
1,1,2,2-Tetrachloroethane	Target	2400	UJ	ug/kg	2400	U	1.0	NO	S3VEM
1,3-Dichlorobenzene	Target	2400	UJ	ug/kg	2400	U	1.0	NO	S3VEM
1,4-Dichlorobenzene	Target	2400	UJ	ug/kg	2400	U	1.0	NO	S3VEM
1,2-Dichlorobenzene	Target	2400	UJ	ug/kg	2400	U	1.0	NO	S3VEM
1,2-Dibromo-3-chloropropane	Target	2400	UJ	ug/kg	2400	U	1.0	NO	S3VEM
1,2,4-Trimethylbenzene	Target	2400	UJ	ug/kg	2400	U	1.0	NO	S3VEM
1,3,5-Trimethylbenzene	Target	2400	UJ	ug/kg	2400	U	1.0	NO	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	2400	UJ	ug/kg	2400	U	1.0	NO	S3VEM
1,2,3-Trichlorobenzene	Target	2400	UJ	ug/kg	2400	U	1.0	NO	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	NO	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED26A

Sample Number: BG513	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: SED25/SW25	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 77	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	43	U	ug/kg	43	U	1.0	YES	S3VEM
Aroclor-1221	Target	43	U	ug/kg	43	U	1.0	YES	S3VEM
Aroclor-1232	Target	43	U	ug/kg	43	U	1.0	YES	S3VEM
Aroclor-1242	Target	43	U	ug/kg	43	U	1.0	YES	S3VEM
Aroclor-1248	Target	43	U	ug/kg	43	U	1.0	YES	S3VEM
Aroclor-1254	Target	43	U	ug/kg	43	U	1.0	YES	S3VEM
Aroclor-1260	Target	43	U	ug/kg	43	U	1.0	YES	S3VEM
Aroclor-1262	Target	43	U	ug/kg	43	U	1.0	YES	S3VEM
Aroclor-1268	Target	43	U	ug/kg	43	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED26A

Sample Number: BG513	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: SED25/SW25	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 77	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
beta-BHC	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
delta-BHC	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
Heptachlor	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
Aldrin	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
Endosulfan I	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
Dieldrin	Target	4.3	U	ug/kg	4.3	U	1.0	YES	S3VEM
4,4'-DDE	Target	4.3	U	ug/kg	4.3	U	1.0	YES	S3VEM
Endrin	Target	4.3	U	ug/kg	4.3	U	1.0	YES	S3VEM
Endosulfan II	Target	4.3	U	ug/kg	4.3	U	1.0	YES	S3VEM
4,4'-DDD	Target	4.3	U	ug/kg	4.3	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	4.3	U	ug/kg	4.3	U	1.0	YES	S3VEM
4,4'-DDT	Target	4.3	U	ug/kg	4.3	U	1.0	YES	S3VEM
Methoxychlor	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
Endrin ketone	Target	4.3	U	ug/kg	4.3	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	4.3	U	ug/kg	4.3	U	1.0	YES	S3VEM
cis-Chlordane	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
trans-Chlordane	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
Toxaphene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED26A

Sample Number: BG513	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SED25/SW25	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 77	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	87	U	ug/kg	87	U	1.0	YES	S3VEM
Benzaldehyde	Target	430	U	ug/kg	430	U	1.0	YES	S3VEM
Phenol	Target	430	U	ug/kg	270	J	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	430	U	ug/kg	430	U	1.0	YES	S3VEM
2-Chlorophenol	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2-Methylphenol	Target	430	U	ug/kg	430	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	430	U	ug/kg	430	U	1.0	YES	S3VEM
Acetophenone	Target	430	U	ug/kg	430	U	1.0	YES	S3VEM
4-Methylphenol	Target	430	U	ug/kg	430	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Hexachloroethane	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Nitrobenzene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Isophorone	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2-Nitrophenol	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Naphthalene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
4-Chloroaniline	Target	430	U	ug/kg	430	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Caprolactam	Target	430	U	ug/kg	430	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	430	U	ug/kg	430	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2-Nitroaniline	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Dimethylphthalate	Target	210	J	ug/kg	210	J	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Acenaphthylene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
3-Nitroaniline	Target	430	U	ug/kg	430	U	1.0	YES	S3VEM
Acenaphthene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	430	U	ug/kg	430	U	1.0	YES	S3VEM
4-Nitrophenol	Target	430	U	ug/kg	430	U	1.0	YES	S3VEM
Dibenzofuran	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Diethylphthalate	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Fluorene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
4-Nitroaniline	Target	430	U	ug/kg	430	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	430	U	ug/kg	430	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Atrazine	Target	430	U	ug/kg	430	U	1.0	YES	S3VEM
Pentachlorophenol	Target	430	U	ug/kg	430	U	1.0	YES	S3VEM
Phenanthrene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED26A

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Anthracene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Carbazole	Target	430	U	ug/kg	430	U	1.0	YES	S3VEM
Di-n-butylphthalate	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Fluoranthene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Pyrene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Butylbenzylphthalate	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	430	U	ug/kg	430	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Chrysene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	430	U	ug/kg	430	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV
n-Tetracosanol-1	TIC	250	JN	ug/kg	250	JN	1.0	YES	NV
n-Hexadecanoic acid	TIC	140	JN	ug/kg	140	JN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED26A

Sample Number: BG513	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED25/SW25	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 77	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
Chloromethane	Target	6.2	UJ	ug/kg	6.2	U	1.0	YES	S3VEM
Vinyl chloride	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
Bromomethane	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
Chloroethane	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	6.2	UJ	ug/kg	6.2	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
Acetone	Target	33		ug/kg	33		1.0	YES	S3VEM
Carbon disulfide	Target	0.87	J	ug/kg	0.87	J	1.0	YES	S3VEM
Methyl Acetate	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
Methylene chloride	Target	6.2	U	ug/kg	4.7	J	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	6.2	UJ	ug/kg	6.2	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	6.2	UJ	ug/kg	6.2	U	1.0	YES	S3VEM
2-Butanone	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Bromochloromethane	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
Chloroform	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
Cyclohexane	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
Benzene	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
Trichloroethene	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
Methylcyclohexane	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
Bromodichloromethane	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Toluene	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
Tetrachloroethene	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
2-Hexanone	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Dibromochloromethane	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
Chlorobenzene	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
Ethylbenzene	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
o-Xylene	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
m,p-Xylene	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
Styrene	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
Bromoform	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
Isopropylbenzene	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED26A

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV
unknown-01	TIC	5.8	J	ug/kg	5.8	J	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-RIN03

Sample Number: BG547	Method: Aroclors	Matrix: Water	MA Number:
Sample Location: N/A	pH: 6	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1221	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1232	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1242	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1248	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1254	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1260	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1262	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1268	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project | **GroupID: 49391/68HERH20D0011/BG501** | **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-RIN03

Sample Number: BG547	Method: Pesticides	Matrix: Water	MA Number:
Sample Location: N/A	pH: 6	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
beta-BHC	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
delta-BHC	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Heptachlor	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Aldrin	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endosulfan I	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Dieldrin	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
Endrin	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
Endosulfan II	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
Methoxychlor	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Endrin ketone	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Toxaphene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-RIN03

Sample Number: BG547	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location: N/A	pH: 6	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.0	U	ug/L	2.0	U	1.0	YES	S3VEM
Benzaldehyde	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Phenol	Target	2.5	J	ug/L	2.5	J	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
2-Chlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Methylphenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Acetophenone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
4-Methylphenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Hexachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Nitrobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Isophorone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Nitrophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Naphthalene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Chloroaniline	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Caprolactam	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	3.2	J	ug/L	3.2	J	1.0	YES	S3VEM
1-Methylnaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Nitroaniline	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dimethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Acenaphthylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
3-Nitroaniline	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Acenaphthene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
4-Nitrophenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Dibenzofuran	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Diethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Fluorene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Nitroaniline	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Atrazine	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Pentachlorophenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Phenanthrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Anthracene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbazole	Target	10	U	ug/L	10	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-RIN03

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Pyrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Butylbenzylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chrysene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Propanoic acid, 2-methyl-, 1-(1,1-	TIC	2.4	JN	ug/L	2.4	JN	1.0	YES	NV
Phenol, 2-methoxy-	TIC	4.9	JN	ug/L	4.9	JN	1.0	YES	NV
7,9-Di-tert-butyl-1-oxaspiro(4,5)d	TIC	2.6	JN	ug/L	2.6	JN	1.0	YES	NV
Total Alkanes	TIC	5.4	N	ug/L	5.4	N	1.0	YES	NV
Propanoic acid, 2-methyl-, 2-methy	TIC	4.2	JN	ug/L	4.2	JN	1.0	YES	NV
1-Hexanol, 2-ethyl-	TIC	2.2	JN	ug/L	2.2	JN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-RIN03

Sample Number: BG547	Method: Volatile Organics	Matrix: Water	MA Number:
Sample Location: N/A	pH: 1.0	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Acetone	Target	9.7	J	ug/L	9.7	J	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	R	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-RIN03

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/L		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED06A

Sample Number: BG573	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: SED06	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 81.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	40	U	ug/kg	40	U	1.0	YES	S3VEM
Aroclor-1221	Target	40	U	ug/kg	40	U	1.0	YES	S3VEM
Aroclor-1232	Target	40	U	ug/kg	40	U	1.0	YES	S3VEM
Aroclor-1242	Target	40	U	ug/kg	40	U	1.0	YES	S3VEM
Aroclor-1248	Target	40	U	ug/kg	40	U	1.0	YES	S3VEM
Aroclor-1254	Target	40	U	ug/kg	40	U	1.0	YES	S3VEM
Aroclor-1260	Target	40	U	ug/kg	40	U	1.0	YES	S3VEM
Aroclor-1262	Target	40	U	ug/kg	40	U	1.0	YES	S3VEM
Aroclor-1268	Target	40	U	ug/kg	40	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED06A

Sample Number: BG573	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: SED06	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 81.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	2.1	U	ug/kg	2.1	U	1.0	YES	S3VEM
beta-BHC	Target	2.1	U	ug/kg	2.1	U	1.0	YES	S3VEM
delta-BHC	Target	2.1	U	ug/kg	2.1	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	2.1	U	ug/kg	2.1	U	1.0	YES	S3VEM
Heptachlor	Target	2.1	U	ug/kg	2.1	U	1.0	YES	S3VEM
Aldrin	Target	2.1	U	ug/kg	2.1	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	2.1	U	ug/kg	2.1	U	1.0	YES	S3VEM
Endosulfan I	Target	2.1	U	ug/kg	2.1	U	1.0	YES	S3VEM
Dieldrin	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S3VEM
4,4'-DDE	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S3VEM
Endrin	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S3VEM
Endosulfan II	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S3VEM
4,4'-DDD	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S3VEM
4,4'-DDT	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S3VEM
Methoxychlor	Target	21	U	ug/kg	21	U	1.0	YES	S3VEM
Endrin ketone	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S3VEM
cis-Chlordane	Target	2.1	U	ug/kg	2.1	U	1.0	YES	S3VEM
trans-Chlordane	Target	2.1	U	ug/kg	2.1	U	1.0	YES	S3VEM
Toxaphene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED06A

Sample Number: BG573	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SED06	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 81.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	82	U	ug/kg	82	U	1.0	YES	S3VEM
Benzaldehyde	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Phenol	Target	400	U	ug/kg	230	J	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
2-Chlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
2-Methylphenol	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Acetophenone	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
4-Methylphenol	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Hexachloroethane	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Nitrobenzene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Isophorone	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
2-Nitrophenol	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Naphthalene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
4-Chloroaniline	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Caprolactam	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
2-Nitroaniline	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Dimethylphthalate	Target	320		ug/kg	320		1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Acenaphthylene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
3-Nitroaniline	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Acenaphthene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
4-Nitrophenol	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Dibenzofuran	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Diethylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Fluorene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
4-Nitroaniline	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Atrazine	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Pentachlorophenol	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Phenanthrene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Anthracene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Carbazole	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED06A

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Fluoranthene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Pyrene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Butylbenzylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Chrysene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
n-Hexadecanoic acid	TIC	99	JN	ug/kg	99	JN	1.0	YES	NV
Heptadecyl heptafluorobutyrate	TIC	150	JN	ug/kg	150	JN	1.0	YES	NV
Total Alkanes	TIC	100	N	ug/kg	100	N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED06A

Sample Number: BG573	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED06	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 81.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	UJ	ug/kg	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	UJ	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	UJ	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/kg	8.7	J	1.0	YES	S3VEM
Carbon disulfide	Target	2.1	J	ug/kg	2.1	J	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/kg	3.5	J	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	UJ	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	UJ	ug/kg	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Toluene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED06A

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED06B

Sample Number: BG574	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: SED06	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 81.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	41	U	ug/kg	41	U	1.0	YES	S3VEM
Aroclor-1221	Target	41	U	ug/kg	41	U	1.0	YES	S3VEM
Aroclor-1232	Target	41	U	ug/kg	41	U	1.0	YES	S3VEM
Aroclor-1242	Target	41	U	ug/kg	41	U	1.0	YES	S3VEM
Aroclor-1248	Target	41	U	ug/kg	41	U	1.0	YES	S3VEM
Aroclor-1254	Target	41	U	ug/kg	41	U	1.0	YES	S3VEM
Aroclor-1260	Target	41	U	ug/kg	41	U	1.0	YES	S3VEM
Aroclor-1262	Target	41	U	ug/kg	41	U	1.0	YES	S3VEM
Aroclor-1268	Target	41	U	ug/kg	41	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED06B

Sample Number: BG574	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: SED06	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 81.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	2.1	U	ug/kg	2.1	U	1.0	YES	S3VEM
beta-BHC	Target	2.1	U	ug/kg	2.1	U	1.0	YES	S3VEM
delta-BHC	Target	2.1	U	ug/kg	2.1	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	2.1	U	ug/kg	2.1	U	1.0	YES	S3VEM
Heptachlor	Target	2.1	U	ug/kg	2.1	U	1.0	YES	S3VEM
Aldrin	Target	2.1	U	ug/kg	2.1	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	2.1	U	ug/kg	2.1	U	1.0	YES	S3VEM
Endosulfan I	Target	2.1	U	ug/kg	2.1	U	1.0	YES	S3VEM
Dieldrin	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S3VEM
4,4'-DDE	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S3VEM
Endrin	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S3VEM
Endosulfan II	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S3VEM
4,4'-DDD	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S3VEM
4,4'-DDT	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S3VEM
Methoxychlor	Target	21	U	ug/kg	21	U	1.0	YES	S3VEM
Endrin ketone	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	4.1	U	ug/kg	4.1	U	1.0	YES	S3VEM
cis-Chlordane	Target	2.1	U	ug/kg	2.1	U	1.0	YES	S3VEM
trans-Chlordane	Target	2.1	U	ug/kg	2.1	U	1.0	YES	S3VEM
Toxaphene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED06B

Sample Number: BG574	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SED06	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 81.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	82	U	ug/kg	82	U	1.0	YES	S3VEM
Benzaldehyde	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Phenol	Target	400	U	ug/kg	210	J	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
2-Chlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
2-Methylphenol	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Acetophenone	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
4-Methylphenol	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Hexachloroethane	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Nitrobenzene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Isophorone	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
2-Nitrophenol	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Naphthalene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
4-Chloroaniline	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Caprolactam	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
2-Nitroaniline	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Dimethylphthalate	Target	180	J	ug/kg	180	J	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Acenaphthylene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
3-Nitroaniline	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Acenaphthene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
4-Nitrophenol	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Dibenzofuran	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Diethylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Fluorene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
4-Nitroaniline	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Atrazine	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Pentachlorophenol	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Phenanthrene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED06B

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Anthracene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Carbazole	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Di-n-butylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Fluoranthene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Pyrene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Butylbenzylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Chrysene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Total Alkanes	TIC	270	N	ug/kg	270	N	1.0	YES	NV
n-Hexadecanoic acid	TIC	110	JN	ug/kg	110	JN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED06B

Sample Number: BG574	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED06	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 81.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S3VEM
Chloromethane	Target	5.4	UJ	ug/kg	5.4	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S3VEM
Bromomethane	Target	5.4	UJ	ug/kg	5.4	U	1.0	YES	S3VEM
Chloroethane	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.4	UJ	ug/kg	5.4	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S3VEM
Acetone	Target	11	U	ug/kg	6.9	J	1.0	YES	S3VEM
Carbon disulfide	Target	1.3	J	ug/kg	1.3	J	1.0	YES	S3VEM
Methyl Acetate	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S3VEM
Methylene chloride	Target	5.4	U	ug/kg	3.7	J	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.4	UJ	ug/kg	5.4	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.4	UJ	ug/kg	5.4	U	1.0	YES	S3VEM
2-Butanone	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S3VEM
Chloroform	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S3VEM
Cyclohexane	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S3VEM
Benzene	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S3VEM
Trichloroethene	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Toluene	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S3VEM
2-Hexanone	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S3VEM
o-Xylene	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S3VEM
Styrene	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S3VEM
Bromoform	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED06B

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED06C

Sample Number: BG575	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: SED06	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 75.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	44	U	ug/kg	44	U	1.0	YES	S3VEM
Aroclor-1221	Target	44	U	ug/kg	44	U	1.0	YES	S3VEM
Aroclor-1232	Target	44	U	ug/kg	44	U	1.0	YES	S3VEM
Aroclor-1242	Target	44	U	ug/kg	44	U	1.0	YES	S3VEM
Aroclor-1248	Target	44	U	ug/kg	44	U	1.0	YES	S3VEM
Aroclor-1254	Target	44	U	ug/kg	44	U	1.0	YES	S3VEM
Aroclor-1260	Target	44	U	ug/kg	44	U	1.0	YES	S3VEM
Aroclor-1262	Target	44	U	ug/kg	44	U	1.0	YES	S3VEM
Aroclor-1268	Target	44	U	ug/kg	44	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED06C

Sample Number: BG575	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: SED06	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 75.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
beta-BHC	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
delta-BHC	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
Heptachlor	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
Aldrin	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
Endosulfan I	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
Dieldrin	Target	4.4	U	ug/kg	4.4	U	1.0	YES	S3VEM
4,4'-DDE	Target	4.4	U	ug/kg	4.4	U	1.0	YES	S3VEM
Endrin	Target	4.4	U	ug/kg	4.4	U	1.0	YES	S3VEM
Endosulfan II	Target	4.4	U	ug/kg	4.4	U	1.0	YES	S3VEM
4,4'-DDD	Target	4.4	U	ug/kg	4.4	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	4.4	U	ug/kg	4.4	U	1.0	YES	S3VEM
4,4'-DDT	Target	4.4	U	ug/kg	4.4	U	1.0	YES	S3VEM
Methoxychlor	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
Endrin ketone	Target	4.4	U	ug/kg	4.4	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	4.4	U	ug/kg	4.4	U	1.0	YES	S3VEM
cis-Chlordane	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
trans-Chlordane	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
Toxaphene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED06C

Sample Number: BG575	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SED06	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 75.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	89	U	ug/kg	89	U	1.0	YES	S3VEM
Benzaldehyde	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
Phenol	Target	440	U	ug/kg	230	J	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
2-Chlorophenol	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
2-Methylphenol	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
Acetophenone	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
4-Methylphenol	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Hexachloroethane	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Nitrobenzene	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Isophorone	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
2-Nitrophenol	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Naphthalene	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
4-Chloroaniline	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Caprolactam	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
2-Nitroaniline	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Dimethylphthalate	Target	270		ug/kg	270		1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Acenaphthylene	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
3-Nitroaniline	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
Acenaphthene	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
4-Nitrophenol	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
Dibenzofuran	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Diethylphthalate	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Fluorene	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
4-Nitroaniline	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Atrazine	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
Pentachlorophenol	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
Phenanthrene	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED06C

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Anthracene	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Carbazole	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
Di-n-butylphthalate	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Fluoranthene	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Pyrene	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Butylbenzylphthalate	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Chrysene	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Total Alkanes	TIC	240	N	ug/kg	240	N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED06C

Sample Number: BG575	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED06	pH:	Sample Date: 04/20/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 75.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
Chloromethane	Target	6.2	UJ	ug/kg	6.2	U	1.0	YES	S3VEM
Vinyl chloride	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
Bromomethane	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
Chloroethane	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	6.2	UJ	ug/kg	6.2	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	6.2	UJ	ug/kg	6.2	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
Acetone	Target	12	U	ug/kg	10	J	1.0	YES	S3VEM
Carbon disulfide	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
Methyl Acetate	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
Methylene chloride	Target	6.2	U	ug/kg	7		1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	6.2	UJ	ug/kg	6.2	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	6.2	UJ	ug/kg	6.2	U	1.0	YES	S3VEM
2-Butanone	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Bromochloromethane	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
Chloroform	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
Cyclohexane	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
Benzene	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
Trichloroethene	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
Methylcyclohexane	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
Bromodichloromethane	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Toluene	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
Tetrachloroethene	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
2-Hexanone	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Dibromochloromethane	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
Chlorobenzene	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
Ethylbenzene	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
o-Xylene	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
m,p-Xylene	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
Styrene	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
Bromoform	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
Isopropylbenzene	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED06C

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
Dimethyl ether	TIC	6.3	JBN	ug/kg	6.3	JBN	1.0	YES	NV
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Sample Number: PBLK006	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
beta-BHC	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
delta-BHC	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
Heptachlor	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
Aldrin	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
Endosulfan I	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
Dieldrin	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
4,4'-DDE	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
Endrin	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
Endosulfan II	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
4,4'-DDD	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
4,4'-DDT	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
Methoxychlor	Target	17	U	ug/kg	17	U	1.0	YES	S3VEM
Endrin ketone	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
cis-Chlordane	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
trans-Chlordane	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
Toxaphene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Sample Number: PBLK929	Method: Pesticides	Matrix: Water	MA Number:
Sample Location:	pH: 6	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
beta-BHC	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
delta-BHC	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Heptachlor	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Aldrin	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endosulfan I	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Dieldrin	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
Endrin	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
Endosulfan II	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
Methoxychlor	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Endrin ketone	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Toxaphene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Sample Number: PLCS006	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Spike	1.5	J	ug/kg	1.5	J	1.0	YES	S3VEM
beta-BHC	Spike	1.5	J	ug/kg	1.5	J	1.0	YES	S3VEM
delta-BHC	Spike	1.5	J	ug/kg	1.5	J	1.0	YES	S3VEM
gamma-BHC (Lindane)	Spike	1.6	J	ug/kg	1.6	J	1.0	YES	S3VEM
Heptachlor	Spike	1.5	J	ug/kg	1.5	J	1.0	YES	S3VEM
Aldrin	Spike	1.5	J	ug/kg	1.5	J	1.0	YES	S3VEM
Heptachlor epoxide	Spike	1.6	J	ug/kg	1.6	J	1.0	YES	S3VEM
Endosulfan I	Spike	1.5	J	ug/kg	1.5	J	1.0	YES	S3VEM
Dieldrin	Spike	3.0	J	ug/kg	3.0	J	1.0	YES	S3VEM
4,4'-DDE	Spike	2.9	J	ug/kg	2.9	J	1.0	YES	S3VEM
Endrin	Spike	3.0	J	ug/kg	3.0	J	1.0	YES	S3VEM
Endosulfan II	Spike	3.2	J	ug/kg	3.2	J	1.0	YES	S3VEM
4,4'-DDD	Spike	3.0	J	ug/kg	3.0	J	1.0	YES	S3VEM
Endosulfan Sulfate	Spike	2.9	J	ug/kg	2.9	J	1.0	YES	S3VEM
4,4'-DDT	Spike	2.5	J	ug/kg	2.5	J	1.0	YES	S3VEM
Methoxychlor	Spike	15	J	ug/kg	15	J	1.0	YES	S3VEM
Endrin ketone	Spike	3.1	J	ug/kg	3.1	J	1.0	YES	S3VEM
Endrin Aldehyde	Spike	3.3		ug/kg	3.3		1.0	YES	S3VEM
cis-Chlordane	Spike	1.5	J	ug/kg	1.5	J	1.0	YES	S3VEM
trans-Chlordane	Spike	1.5	J	ug/kg	1.5	J	1.0	YES	S3VEM
Toxaphene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Sample Number: PLCS929	Method: Pesticides	Matrix: Water	MA Number:
Sample Location:	pH: 6	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Spike	0.04	J	ug/L	0.04	J	1.0	YES	S3VEM
beta-BHC	Spike	0.042	J	ug/L	0.042	J	1.0	YES	S3VEM
delta-BHC	Spike	0.04	J	ug/L	0.04	JP	1.0	YES	S3VEM
gamma-BHC (Lindane)	Spike	0.043	J	ug/L	0.043	J	1.0	YES	S3VEM
Heptachlor	Spike	0.043	J	ug/L	0.043	J	1.0	YES	S3VEM
Aldrin	Spike	0.042	J	ug/L	0.042	J	1.0	YES	S3VEM
Heptachlor epoxide	Spike	0.042	J	ug/L	0.042	J	1.0	YES	S3VEM
Endosulfan I	Spike	0.041	J	ug/L	0.041	J	1.0	YES	S3VEM
Dieldrin	Spike	0.081	J	ug/L	0.081	J	1.0	YES	S3VEM
4,4'-DDE	Spike	0.079	J	ug/L	0.079	J	1.0	YES	S3VEM
Endrin	Spike	0.089	J	ug/L	0.089	J	1.0	YES	S3VEM
Endosulfan II	Spike	0.086	J	ug/L	0.086	J	1.0	YES	S3VEM
4,4'-DDD	Spike	0.081	J	ug/L	0.081	JP	1.0	YES	S3VEM
Endosulfan Sulfate	Spike	0.081	J	ug/L	0.081	J	1.0	YES	S3VEM
4,4'-DDT	Spike	0.073	J	ug/L	0.073	J	1.0	YES	S3VEM
Methoxychlor	Spike	0.43	J	ug/L	0.43	J	1.0	YES	S3VEM
Endrin ketone	Spike	0.088	J	ug/L	0.088	J	1.0	YES	S3VEM
Endrin Aldehyde	Spike	0.09	J	ug/L	0.09	J	1.0	YES	S3VEM
cis-Chlordane	Spike	0.041	J	ug/L	0.041	J	1.0	YES	S3VEM
trans-Chlordane	Spike	0.041	J	ug/L	0.041	J	1.0	YES	S3VEM
Toxaphene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Sample Number: SBLK005	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	67	U	ug/kg	67	U	1.0	YES	S3VEM
Benzaldehyde	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Phenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
2-Chlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2-Methylphenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Acetophenone	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
4-Methylphenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Hexachloroethane	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Nitrobenzene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Isophorone	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2-Nitrophenol	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Naphthalene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
4-Chloroaniline	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Caprolactam	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2-Nitroaniline	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Dimethylphthalate	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Acenaphthylene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
3-Nitroaniline	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Acenaphthene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
4-Nitrophenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Dibenzofuran	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Diethylphthalate	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Fluorene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
4-Nitroaniline	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Atrazine	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Pentachlorophenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Phenanthrene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Anthracene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Carbazole	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Di-n-butylphthalate	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Fluoranthene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Pyrene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Butylbenzylphthalate	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Chrysene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Sample Number: SBLK930	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location:	pH: 6	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.0	U	ug/L	2.0	U	1.0	YES	S3VEM
Benzaldehyde	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Phenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
2-Chlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Methylphenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Acetophenone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
4-Methylphenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Hexachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Nitrobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Isophorone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Nitrophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Naphthalene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Chloroaniline	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Caprolactam	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Nitroaniline	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dimethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Acenaphthylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
3-Nitroaniline	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Acenaphthene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
4-Nitrophenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Dibenzofuran	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Diethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Fluorene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Nitroaniline	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Atrazine	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Pentachlorophenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Phenanthrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Anthracene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbazole	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Di-n-butylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Pyrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Butylbenzylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chrysene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/L		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Sample Number: SLCS005	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Spike	370		ug/kg	370		1.0	YES	S3VEM
Benzaldehyde	Spike	840		ug/kg	840		1.0	YES	S3VEM
Phenol	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
2-Chlorophenol	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
2-Methylphenol	Spike	1000		ug/kg	1000		1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Spike	1000		ug/kg	1000		1.0	YES	S3VEM
Acetophenone	Spike	1000		ug/kg	1000		1.0	YES	S3VEM
4-Methylphenol	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Spike	1000		ug/kg	1000		1.0	YES	S3VEM
Hexachloroethane	Spike	1000		ug/kg	1000		1.0	YES	S3VEM
Nitrobenzene	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
Isophorone	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
2-Nitrophenol	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
2,4-Dimethylphenol	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
2,4-Dichlorophenol	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
Naphthalene	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
4-Chloroaniline	Spike	910		ug/kg	910		1.0	YES	S3VEM
Hexachlorobutadiene	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
Caprolactam	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
4-Chloro-3-methylphenol	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
1-Methylnaphthalene	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
2-Methylnaphthalene	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
Hexachlorocyclopentadiene	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
2,4,6-Trichlorophenol	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
2,4,5-Trichlorophenol	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
1,1-Biphenyl	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
2-Chloronaphthalene	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
2-Nitroaniline	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
Dimethylphthalate	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
2,6-Dinitrotoluene	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
Acenaphthylene	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
3-Nitroaniline	Spike	910		ug/kg	910		1.0	YES	S3VEM
Acenaphthene	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
2,4-Dinitrophenol	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
4-Nitrophenol	Spike	1300		ug/kg	1300		1.0	YES	S3VEM
Dibenzofuran	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
2,4-Dinitrotoluene	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
Diethylphthalate	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
Fluorene	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
4-Nitroaniline	Spike	980		ug/kg	980		1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
N-Nitrosodiphenylamine	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
4-Bromophenyl-phenylether	Spike	1300		ug/kg	1300		1.0	YES	S3VEM
Hexachlorobenzene	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
Atrazine	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
Pentachlorophenol	Spike	1400		ug/kg	1400		1.0	YES	S3VEM
Phenanthrene	Spike	1200		ug/kg	1200		1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Anthracene	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
Carbazole	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
Di-n-butylphthalate	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
Fluoranthene	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
Pyrene	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
Butylbenzylphthalate	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
3,3-Dichlorobenzidine	Spike	990		ug/kg	990		1.0	YES	S3VEM
Benzo(a)anthracene	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
Chrysene	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
Di-n-octyl phthalate	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
Benzo(b)fluoranthene	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
Benzo(k)fluoranthene	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
Benzo(a)pyrene	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
Benzo(g,h,i)perylene	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Spike	1300		ug/kg	1300		1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Sample Number: SLCS930	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location:	pH: 6	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Spike	8.1		ug/L	8.1		1.0	YES	S3VEM
Benzaldehyde	Spike	32		ug/L	32		1.0	YES	S3VEM
Phenol	Spike	28		ug/L	28		1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Spike	29		ug/L	29		1.0	YES	S3VEM
2-Chlorophenol	Spike	29		ug/L	29		1.0	YES	S3VEM
2-Methylphenol	Spike	29		ug/L	29		1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Spike	31		ug/L	31		1.0	YES	S3VEM
Acetophenone	Spike	31		ug/L	31		1.0	YES	S3VEM
4-Methylphenol	Spike	30		ug/L	30		1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Spike	32		ug/L	32		1.0	YES	S3VEM
Hexachloroethane	Spike	32		ug/L	32		1.0	YES	S3VEM
Nitrobenzene	Spike	31		ug/L	31		1.0	YES	S3VEM
Isophorone	Spike	34		ug/L	34		1.0	YES	S3VEM
2-Nitrophenol	Spike	31		ug/L	31		1.0	YES	S3VEM
2,4-Dimethylphenol	Spike	28		ug/L	28		1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Spike	31		ug/L	31		1.0	YES	S3VEM
2,4-Dichlorophenol	Spike	30		ug/L	30		1.0	YES	S3VEM
Naphthalene	Spike	30		ug/L	30		1.0	YES	S3VEM
4-Chloroaniline	Spike	27		ug/L	27		1.0	YES	S3VEM
Hexachlorobutadiene	Spike	30		ug/L	30		1.0	YES	S3VEM
Caprolactam	Spike	33		ug/L	33		1.0	YES	S3VEM
4-Chloro-3-methylphenol	Spike	32		ug/L	32		1.0	YES	S3VEM
1-Methylnaphthalene	Spike	30		ug/L	30		1.0	YES	S3VEM
2-Methylnaphthalene	Spike	31		ug/L	31		1.0	YES	S3VEM
Hexachlorocyclopentadiene	Spike	25		ug/L	25		1.0	YES	S3VEM
2,4,6-Trichlorophenol	Spike	32		ug/L	32		1.0	YES	S3VEM
2,4,5-Trichlorophenol	Spike	32		ug/L	32		1.0	YES	S3VEM
1,1-Biphenyl	Spike	33		ug/L	33		1.0	YES	S3VEM
2-Chloronaphthalene	Spike	32		ug/L	32		1.0	YES	S3VEM
2-Nitroaniline	Spike	38		ug/L	38		1.0	YES	S3VEM
Dimethylphthalate	Spike	35		ug/L	35		1.0	YES	S3VEM
2,6-Dinitrotoluene	Spike	39		ug/L	39		1.0	YES	S3VEM
Acenaphthylene	Spike	34		ug/L	34		1.0	YES	S3VEM
3-Nitroaniline	Spike	30		ug/L	30		1.0	YES	S3VEM
Acenaphthene	Spike	33		ug/L	33		1.0	YES	S3VEM
2,4-Dinitrophenol	Spike	40		ug/L	40		1.0	YES	S3VEM
4-Nitrophenol	Spike	31		ug/L	31		1.0	YES	S3VEM
Dibenzofuran	Spike	34		ug/L	34		1.0	YES	S3VEM
2,4-Dinitrotoluene	Spike	39		ug/L	39		1.0	YES	S3VEM
Diethylphthalate	Spike	33		ug/L	33		1.0	YES	S3VEM
Fluorene	Spike	34		ug/L	34		1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Spike	34		ug/L	34		1.0	YES	S3VEM
4-Nitroaniline	Spike	35		ug/L	35		1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Spike	29		ug/L	29		1.0	YES	S3VEM
N-Nitrosodiphenylamine	Spike	34		ug/L	34		1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Spike	32		ug/L	32		1.0	YES	S3VEM
4-Bromophenyl-phenylether	Spike	35		ug/L	35		1.0	YES	S3VEM
Hexachlorobenzene	Spike	35		ug/L	35		1.0	YES	S3VEM
Atrazine	Spike	31		ug/L	31		1.0	YES	S3VEM
Pentachlorophenol	Spike	29		ug/L	29		1.0	YES	S3VEM
Phenanthrene	Spike	34		ug/L	34		1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Anthracene	Spike	34		ug/L	34		1.0	YES	S3VEM
Carbazole	Spike	32		ug/L	32		1.0	YES	S3VEM
Di-n-butylphthalate	Spike	35		ug/L	35		1.0	YES	S3VEM
Fluoranthene	Spike	35		ug/L	35		1.0	YES	S3VEM
Pyrene	Spike	34		ug/L	34		1.0	YES	S3VEM
Butylbenzylphthalate	Spike	35		ug/L	35		1.0	YES	S3VEM
3,3-Dichlorobenzidine	Spike	26		ug/L	26		1.0	YES	S3VEM
Benzo(a)anthracene	Spike	34		ug/L	34		1.0	YES	S3VEM
Chrysene	Spike	34		ug/L	34		1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Spike	36		ug/L	36		1.0	YES	S3VEM
Di-n-octyl phthalate	Spike	35		ug/L	35		1.0	YES	S3VEM
Benzo(b)fluoranthene	Spike	35		ug/L	35		1.0	YES	S3VEM
Benzo(k)fluoranthene	Spike	35		ug/L	35		1.0	YES	S3VEM
Benzo(a)pyrene	Spike	35		ug/L	35		1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Spike	36		ug/L	36		1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Spike	37		ug/L	37		1.0	YES	S3VEM
Benzo(g,h,i)perylene	Spike	36		ug/L	36		1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Spike	34		ug/L	34		1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/L		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Sample Number: VBLK106	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	UJ	ug/kg	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Toluene	Target	0.66	J	ug/kg	0.66	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Isopropyl Alcohol	TIC	2.7	JN	ug/kg	2.7	JN	1.0	YES	NV
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Sample Number: VBLK107	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	UJ	ug/kg	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Toluene	Target	0.66	J	ug/kg	0.66	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Sample Number: VBLK108	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	UJ	ug/kg	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	UJ	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Toluene	Target	0.68	J	ug/kg	0.68	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV
Dimethyl ether	TIC	6.2	JN	ug/kg	6.2	JN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Sample Number: VBLK110	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	UJ	ug/kg	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	3.1	J	ug/kg	3.1	J	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Toluene	Target	0.82	J	ug/kg	0.82	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Sample Number: VBLK170	Method: Volatile Organics	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/L		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Sample Number: VBLK171	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Chloromethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Vinyl chloride	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Bromomethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Chloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Acetone	Target	500	U	ug/kg	500	U	1.0	YES	S3VEM
Carbon disulfide	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Methyl Acetate	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Methylene chloride	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
2-Butanone	Target	500	U	ug/kg	500	U	1.0	YES	S3VEM
Bromochloromethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Chloroform	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Cyclohexane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Benzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Trichloroethene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Methylcyclohexane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Bromodichloromethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	500	U	ug/kg	500	U	1.0	YES	S3VEM
Toluene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Tetrachloroethene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
2-Hexanone	Target	500	U	ug/kg	500	U	1.0	YES	S3VEM
Dibromochloromethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Chlorobenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Ethylbenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
o-Xylene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
m,p-Xylene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Styrene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Bromoform	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Isopropylbenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Sample Number: VBLK172	Method: Volatile Organics	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/L		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Sample Number: VHBLK001	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	UJ	ug/kg	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	6.2		ug/kg	6.2	B	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Toluene	Target	0.74	J	ug/kg	0.74	JB	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV
Isopropyl Alcohol	TIC	2.6	JN	ug/kg	2.6	JN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Sample Number: VHBLK002	Method: Volatile Organics	Matrix: Water	MA Number:
Sample Location:	pH: 1.0	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG501** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/L		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project | **GroupID: 49391/68HERH20D0011/BG501** | **Lab Name: Chemtech Consulting Group**

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG547	DI Water	04/20/2021	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	74-87-3	Chloromethane	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	75-01-4	Vinyl chloride	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	74-83-9	Bromomethane	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	75-00-3	Chloroethane	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	67-64-1	Acetone	9.7	J	J	10	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	75-15-0	Carbon disulfide	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	79-20-9	Methyl Acetate	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	75-09-2	Methylene chloride	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	78-93-3	2-Butanone	10	U	U	10	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	74-97-5	Bromochloromethane	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	67-66-3	Chloroform	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	110-82-7	Cyclohexane	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	71-43-2	Benzene	5.0	U	R	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	79-01-6	Trichloroethene	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	108-88-3	Toluene	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	108-90-7	Chlorobenzene	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	100-41-4	Ethylbenzene	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	95-47-6	o-Xylene	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	100-42-5	Styrene	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	75-25-2	Bromoform	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	96-18-4	1,2,3-Trichloropropane	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	E966796	Total Alkanes		N	N		ug/L	6100-RIN03
BG501	Sediment	04/20/2021	1.0	75-71-8	Dichlorodifluoromethane	9.9	U	U	9.9	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	74-87-3	Chloromethane	9.9	U	UJ	9.9	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	75-01-4	Vinyl chloride	9.9	U	U	9.9	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	74-83-9	Bromomethane	9.9	U	UJ	9.9	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	75-00-3	Chloroethane	9.9	U	U	9.9	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	75-69-4	Trichlorofluoromethane	9.9	U	U	9.9	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	75-35-4	1,1-Dichloroethene	9.9	U	UJ	9.9	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	9.9	U	U	9.9	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	67-64-1	Acetone	20		U	20	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	75-15-0	Carbon disulfide	3.2	J	J	9.9	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	79-20-9	Methyl Acetate	9.9	U	U	9.9	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	75-09-2	Methylene chloride	9.9	J	U	9.9	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	156-60-5	trans-1,2-Dichloroethene	9.9	U	UJ	9.9	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	1634-04-4	Methyl tert-butyl Ether	9.9	U	U	9.9	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	75-34-3	1,1-Dichloroethane	9.9	U	U	9.9	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	156-59-2	cis-1,2-Dichloroethene	9.9	U	UJ	9.9	ug/kg	6100-SED22A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG501	Sediment	04/20/2021	1.0	78-93-3	2-Butanone	20	U	U	20	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	74-97-5	Bromochloromethane	9.9	U	U	9.9	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	67-66-3	Chloroform	9.9	U	U	9.9	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	71-55-6	1,1,1-Trichloroethane	9.9	U	U	9.9	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	110-82-7	Cyclohexane	9.9	U	U	9.9	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	56-23-5	Carbon tetrachloride	9.9	U	U	9.9	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	71-43-2	Benzene	9.9	U	U	9.9	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	107-06-2	1,2-Dichloroethane	9.9	U	U	9.9	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	79-01-6	Trichloroethene	9.9	U	U	9.9	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	108-87-2	Methylcyclohexane	9.9	U	U	9.9	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	78-87-5	1,2-Dichloropropane	9.9	U	U	9.9	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	75-27-4	Bromodichloromethane	9.9	U	U	9.9	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	9.9	U	U	9.9	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	108-10-1	4-Methyl-2-pentanone	20	U	U	20	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	108-88-3	Toluene	9.9	U	U	9.9	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	9.9	U	U	9.9	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	79-00-5	1,1,2-Trichloroethane	9.9	U	U	9.9	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	127-18-4	Tetrachloroethene	9.9	U	U	9.9	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	591-78-6	2-Hexanone	20	U	U	20	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	124-48-1	Dibromochloromethane	9.9	U	U	9.9	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	106-93-4	1,2-Dibromoethane	9.9	U	U	9.9	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	108-90-7	Chlorobenzene	9.9	U	U	9.9	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	100-41-4	Ethylbenzene	9.9	U	U	9.9	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	95-47-6	o-Xylene	9.9	U	U	9.9	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	179601-23-1	m,p-Xylene	9.9	U	U	9.9	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	100-42-5	Styrene	9.9	U	U	9.9	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	75-25-2	Bromoform	9.9	U	U	9.9	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	98-82-8	Isopropylbenzene	9.9	U	U	9.9	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	96-18-4	1,2,3-Trichloropropane	9.9	U	U	9.9	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	9.9	U	U	9.9	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	541-73-1	1,3-Dichlorobenzene	9.9	U	U	9.9	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	106-46-7	1,4-Dichlorobenzene	9.9	U	U	9.9	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	95-50-1	1,2-Dichlorobenzene	9.9	U	U	9.9	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	9.9	U	U	9.9	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	9.9	U	U	9.9	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	9.9	U	U	9.9	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	120-82-1	1,2,4-trichlorobenzene	9.9	U	U	9.9	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	9.9	U	U	9.9	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	6100-SED22A
BG502	Sediment	04/20/2021	1.0	75-71-8	Dichlorodifluoromethane	11	U	U	11	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	74-87-3	Chloromethane	11	U	UJ	11	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	75-01-4	Vinyl chloride	11	U	U	11	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	74-83-9	Bromomethane	11	U	UJ	11	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	75-00-3	Chloroethane	11	U	U	11	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	75-69-4	Trichlorofluoromethane	11	U	U	11	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	75-35-4	1,1-Dichloroethene	11	U	UJ	11	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	11	U	U	11	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	67-64-1	Acetone	23		U	23	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	75-15-0	Carbon disulfide	6.9	J	J	11	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	79-20-9	Methyl Acetate	11	U	U	11	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	75-09-2	Methylene chloride	11	J	U	11	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	156-60-5	trans-1,2-Dichloroethene	11	U	UJ	11	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	1634-04-4	Methyl tert-butyl Ether	11	U	U	11	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	75-34-3	1,1-Dichloroethane	11	U	U	11	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	156-59-2	cis-1,2-Dichloroethene	11	U	UJ	11	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	78-93-3	2-Butanone	23	U	U	23	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	74-97-5	Bromochloromethane	11	U	U	11	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	67-66-3	Chloroform	11	U	U	11	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	71-55-6	1,1,1-Trichloroethane	11	U	U	11	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	110-82-7	Cyclohexane	11	U	U	11	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	56-23-5	Carbon tetrachloride	11	U	U	11	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	71-43-2	Benzene	11	U	U	11	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	107-06-2	1,2-Dichloroethane	11	U	U	11	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	79-01-6	Trichloroethene	11	U	U	11	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	108-87-2	Methylcyclohexane	11	U	U	11	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	78-87-5	1,2-Dichloropropane	11	U	U	11	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	75-27-4	Bromodichloromethane	11	U	U	11	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	11	U	U	11	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	108-10-1	4-Methyl-2-pentanone	23	U	U	23	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	108-88-3	Toluene	11	U	U	11	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	11	U	U	11	ug/kg	6100-SED22B

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG502	Sediment	04/20/2021	1.0	79-00-5	1,1,2-Trichloroethane	11	U	U	11	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	127-18-4	Tetrachloroethene	11	U	U	11	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	591-78-6	2-Hexanone	23	U	U	23	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	124-48-1	Dibromochloromethane	11	U	U	11	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	106-93-4	1,2-Dibromoethane	11	U	U	11	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	108-90-7	Chlorobenzene	11	U	U	11	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	100-41-4	Ethylbenzene	11	U	U	11	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	95-47-6	o-Xylene	11	U	U	11	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	179601-23-1	m,p-Xylene	11	U	U	11	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	100-42-5	Styrene	11	U	U	11	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	75-25-2	Bromoform	11	U	U	11	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	98-82-8	Isopropylbenzene	11	U	U	11	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	96-18-4	1,2,3-Trichloropropane	11	U	U	11	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	11	U	U	11	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	541-73-1	1,3-Dichlorobenzene	11	U	U	11	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	106-46-7	1,4-Dichlorobenzene	11	U	U	11	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	95-50-1	1,2-Dichlorobenzene	11	U	U	11	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	11	U	U	11	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	11	U	U	11	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	11	U	U	11	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	120-82-1	1,2,4-trichlorobenzene	11	U	U	11	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	11	U	U	11	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	6100-SED22B
BG503	Sediment	04/20/2021	1.0	75-71-8	Dichlorodifluoromethane	14	U	U	14	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	74-87-3	Chloromethane	14	U	UJ	14	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	75-01-4	Vinyl chloride	14	U	U	14	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	74-83-9	Bromomethane	14	U	U	14	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	75-00-3	Chloroethane	14	U	U	14	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	75-69-4	Trichlorofluoromethane	14	U	UJ	14	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	75-35-4	1,1-Dichloroethene	14	U	UJ	14	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	14	U	U	14	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	67-64-1	Acetone	28		U	28	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	75-15-0	Carbon disulfide	11	J	J	14	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	79-20-9	Methyl Acetate	14	U	U	14	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	75-09-2	Methylene chloride	28			14	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	156-60-5	trans-1,2-Dichloroethene	14	U	UJ	14	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	1634-04-4	Methyl tert-butyl Ether	14	U	U	14	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	75-34-3	1,1-Dichloroethane	14	U	U	14	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	156-59-2	cis-1,2-Dichloroethene	14	U	UJ	14	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	78-93-3	2-Butanone	28	U	U	28	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	74-97-5	Bromochloromethane	14	U	U	14	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	67-66-3	Chloroform	14	U	U	14	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	71-55-6	1,1,1-Trichloroethane	14	U	U	14	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	110-82-7	Cyclohexane	14	U	U	14	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	56-23-5	Carbon tetrachloride	14	U	U	14	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	71-43-2	Benzene	14	U	U	14	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	107-06-2	1,2-Dichloroethane	14	U	U	14	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	79-01-6	Trichloroethene	14	U	U	14	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	108-87-2	Methylcyclohexane	14	U	U	14	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	78-87-5	1,2-Dichloropropane	14	U	U	14	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	75-27-4	Bromodichloromethane	14	U	U	14	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	14	U	U	14	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	108-10-1	4-Methyl-2-pentanone	28	U	U	28	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	108-88-3	Toluene	14	U	U	14	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	14	U	U	14	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	79-00-5	1,1,2-Trichloroethane	14	U	U	14	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	127-18-4	Tetrachloroethene	14	U	U	14	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	591-78-6	2-Hexanone	28	U	U	28	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	124-48-1	Dibromochloromethane	14	U	U	14	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	106-93-4	1,2-Dibromoethane	14	U	U	14	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	108-90-7	Chlorobenzene	14	U	U	14	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	100-41-4	Ethylbenzene	14	U	U	14	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	95-47-6	o-Xylene	14	U	U	14	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	179601-23-1	m,p-Xylene	14	U	U	14	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	100-42-5	Styrene	14	U	U	14	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	75-25-2	Bromoform	14	U	U	14	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	98-82-8	Isopropylbenzene	14	U	U	14	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	96-18-4	1,2,3-Trichloropropane	14	U	U	14	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	14	U	U	14	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	541-73-1	1,3-Dichlorobenzene	14	U	U	14	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	106-46-7	1,4-Dichlorobenzene	14	U	U	14	ug/kg	6100-SED22C

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG503	Sediment	04/20/2021	1.0	95-50-1	1,2-Dichlorobenzene	14	U	U	14	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	14	U	U	14	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	14	U	U	14	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	14	U	U	14	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	120-82-1	1,2,4-trichlorobenzene	14	U	U	14	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	14	U	U	14	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	000115-10-6	Dimethyl ether	20	JBN	JBN		ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	6100-SED22C
BG504	Sediment	04/20/2021	1.0	75-71-8	Dichlorodifluoromethane	6.8	U	U	6.8	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	74-87-3	Chloromethane	6.8	U	UJ	6.8	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	75-01-4	Vinyl chloride	6.8	U	U	6.8	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	74-83-9	Bromomethane	6.8	U	UJ	6.8	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	75-00-3	Chloroethane	6.8	U	U	6.8	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	75-69-4	Trichlorofluoromethane	6.8	U	UJ	6.8	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	75-35-4	1,1-Dichloroethene	6.8	U	UJ	6.8	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6.8	U	UJ	6.8	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	67-64-1	Acetone	14		U	14	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	75-15-0	Carbon disulfide	7.1			6.8	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	79-20-9	Methyl Acetate	6.8	U	UJ	6.8	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	75-09-2	Methylene chloride	6.8	J	UJ	6.8	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	156-60-5	trans-1,2-Dichloroethene	6.8	U	UJ	6.8	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	1634-04-4	Methyl tert-butyl Ether	6.8	U	UJ	6.8	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	75-34-3	1,1-Dichloroethane	6.8	U	U	6.8	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	156-59-2	cis-1,2-Dichloroethene	6.8	U	UJ	6.8	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	78-93-3	2-Butanone	14	U	U	14	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	74-97-5	Bromochloromethane	6.8	U	U	6.8	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	67-66-3	Chloroform	6.8	U	U	6.8	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	71-55-6	1,1,1-Trichloroethane	6.8	U	UJ	6.8	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	110-82-7	Cyclohexane	6.8	U	U	6.8	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	56-23-5	Carbon tetrachloride	6.8	U	UJ	6.8	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	71-43-2	Benzene	6.8	U	U	6.8	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	107-06-2	1,2-Dichloroethane	6.8	U	UJ	6.8	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	79-01-6	Trichloroethene	6.8	U	U	6.8	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	108-87-2	Methylcyclohexane	6.8	U	U	6.8	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	78-87-5	1,2-Dichloropropane	6.8	U	U	6.8	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	75-27-4	Bromodichloromethane	6.8	U	U	6.8	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	6.8	U	U	6.8	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	108-10-1	4-Methyl-2-pentanone	14	U	U	14	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	108-88-3	Toluene	6.8	U	U	6.8	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	6.8	U	U	6.8	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	79-00-5	1,1,2-Trichloroethane	6.8	U	U	6.8	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	127-18-4	Tetrachloroethene	6.8	U	U	6.8	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	591-78-6	2-Hexanone	14	U	U	14	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	124-48-1	Dibromochloromethane	6.8	U	U	6.8	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	106-93-4	1,2-Dibromoethane	6.8	U	UJ	6.8	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	108-90-7	Chlorobenzene	6.8	U	UJ	6.8	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	100-41-4	Ethylbenzene	6.8	U	U	6.8	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	95-47-6	o-Xylene	6.8	U	U	6.8	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	179601-23-1	m,p-Xylene	6.8	U	U	6.8	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	100-42-5	Styrene	6.8	U	U	6.8	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	75-25-2	Bromoform	6.8	U	U	6.8	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	98-82-8	Isopropylbenzene	6.8	U	U	6.8	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	96-18-4	1,2,3-Trichloropropane	6.8	U	U	6.8	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	6.8	U	U	6.8	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	541-73-1	1,3-Dichlorobenzene	6.8	U	UJ	6.8	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	106-46-7	1,4-Dichlorobenzene	6.8	U	UJ	6.8	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	95-50-1	1,2-Dichlorobenzene	6.8	U	UJ	6.8	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	6.8	U	U	6.8	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	6.8	U	U	6.8	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	6.8	U	U	6.8	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	120-82-1	1,2,4-trichlorobenzene	6.8	U	UJ	6.8	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	6.8	U	UJ	6.8	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	6100-SED23A
BG505	Sediment	04/20/2021	1.0	75-71-8	Dichlorodifluoromethane	9.0	U	U	9.0	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	74-87-3	Chloromethane	9.0	U	UJ	9.0	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	75-01-4	Vinyl chloride	9.0	U	U	9.0	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	74-83-9	Bromomethane	9.0	U	U	9.0	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	75-00-3	Chloroethane	9.0	U	U	9.0	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	75-69-4	Trichlorofluoromethane	9.0	U	U	9.0	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	75-35-4	1,1-Dichloroethene	9.0	U	UJ	9.0	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	9.0	U	U	9.0	ug/kg	6100-SED23B

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG505	Sediment	04/20/2021	1.0	67-64-1	Acetone	18		U	18	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	75-15-0	Carbon disulfide	4.5	J	J	9.0	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	79-20-9	Methyl Acetate	9.0	U	U	9.0	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	75-09-2	Methylene chloride	9.0	J	U	9.0	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	156-60-5	trans-1,2-Dichloroethene	9.0	U	UJ	9.0	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	1634-04-4	Methyl tert-butyl Ether	9.0	U	U	9.0	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	75-34-3	1,1-Dichloroethane	9.0	U	U	9.0	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	156-59-2	cis-1,2-Dichloroethene	9.0	U	UJ	9.0	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	78-93-3	2-Butanone	18	U	U	18	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	74-97-5	Bromochloromethane	9.0	U	U	9.0	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	67-66-3	Chloroform	9.0	U	U	9.0	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	71-55-6	1,1,1-Trichloroethane	9.0	U	U	9.0	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	110-82-7	Cyclohexane	9.0	U	U	9.0	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	56-23-5	Carbon tetrachloride	9.0	U	U	9.0	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	71-43-2	Benzene	9.0	U	U	9.0	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	107-06-2	1,2-Dichloroethane	9.0	U	U	9.0	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	79-01-6	Trichloroethene	9.0	U	U	9.0	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	108-87-2	Methylcyclohexane	9.0	U	U	9.0	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	78-87-5	1,2-Dichloropropane	9.0	U	U	9.0	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	75-27-4	Bromodichloromethane	9.0	U	U	9.0	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	9.0	U	U	9.0	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	108-10-1	4-Methyl-2-pentanone	18	U	U	18	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	108-88-3	Toluene	9.0	U	U	9.0	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	9.0	U	U	9.0	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	79-00-5	1,1,2-Trichloroethane	9.0	U	U	9.0	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	127-18-4	Tetrachloroethene	9.0	U	U	9.0	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	591-78-6	2-Hexanone	18	U	U	18	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	124-48-1	Dibromochloromethane	9.0	U	U	9.0	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	106-93-4	1,2-Dibromoethane	9.0	U	U	9.0	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	108-90-7	Chlorobenzene	9.0	U	U	9.0	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	100-41-4	Ethylbenzene	9.0	U	U	9.0	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	95-47-6	o-Xylene	9.0	U	U	9.0	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	179601-23-1	m,p-Xylene	9.0	U	U	9.0	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	100-42-5	Styrene	9.0	U	U	9.0	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	75-25-2	Bromoform	9.0	U	U	9.0	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	98-82-8	Isopropylbenzene	9.0	U	U	9.0	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	96-18-4	1,2,3-Trichloropropane	9.0	U	U	9.0	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	9.0	U	U	9.0	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	541-73-1	1,3-Dichlorobenzene	9.0	U	U	9.0	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	106-46-7	1,4-Dichlorobenzene	9.0	U	U	9.0	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	95-50-1	1,2-Dichlorobenzene	9.0	U	U	9.0	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	9.0	U	U	9.0	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	9.0	U	U	9.0	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	9.0	U	U	9.0	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	120-82-1	1,2,4-trichlorobenzene	9.0	U	U	9.0	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	9.0	U	U	9.0	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	6100-SED23B
BG506	Sediment	04/20/2021	1.0	75-71-8	Dichlorodifluoromethane	9.4	U	U	9.4	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	74-87-3	Chloromethane	9.4	U	UJ	9.4	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	75-01-4	Vinyl chloride	9.4	U	U	9.4	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	74-83-9	Bromomethane	9.4	U	U	9.4	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	75-00-3	Chloroethane	9.4	U	U	9.4	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	75-69-4	Trichlorofluoromethane	9.4	U	U	9.4	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	75-35-4	1,1-Dichloroethene	9.4	U	UJ	9.4	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	9.4	U	U	9.4	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	67-64-1	Acetone	19		U	19	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	75-15-0	Carbon disulfide	15			9.4	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	79-20-9	Methyl Acetate	9.4	U	U	9.4	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	75-09-2	Methylene chloride	9.4	J	U	9.4	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	156-60-5	trans-1,2-Dichloroethene	9.4	U	UJ	9.4	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	1634-04-4	Methyl tert-butyl Ether	9.4	U	U	9.4	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	75-34-3	1,1-Dichloroethane	9.4	U	U	9.4	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	156-59-2	cis-1,2-Dichloroethene	9.4	U	UJ	9.4	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	78-93-3	2-Butanone	19	U	U	19	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	74-97-5	Bromochloromethane	9.4	U	U	9.4	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	67-66-3	Chloroform	9.4	U	U	9.4	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	71-55-6	1,1,1-Trichloroethane	9.4	U	U	9.4	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	110-82-7	Cyclohexane	9.4	U	U	9.4	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	56-23-5	Carbon tetrachloride	9.4	U	U	9.4	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	71-43-2	Benzene	9.4	U	U	9.4	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	107-06-2	1,2-Dichloroethane	9.4	U	U	9.4	ug/kg	6100-SED23C

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG506	Sediment	04/20/2021	1.0	79-01-6	Trichloroethene	9.4	U	U	9.4	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	108-87-2	Methylcyclohexane	9.4	U	U	9.4	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	78-87-5	1,2-Dichloropropane	9.4	U	U	9.4	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	75-27-4	Bromodichloromethane	9.4	U	U	9.4	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	9.4	U	U	9.4	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	108-10-1	4-Methyl-2-pentanone	19	U	U	19	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	108-88-3	Toluene	9.4	U	U	9.4	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	9.4	U	U	9.4	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	79-00-5	1,1,2-Trichloroethane	9.4	U	U	9.4	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	127-18-4	Tetrachloroethene	9.4	U	U	9.4	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	591-78-6	2-Hexanone	19	U	U	19	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	124-48-1	Dibromochloromethane	9.4	U	U	9.4	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	106-93-4	1,2-Dibromoethane	9.4	U	U	9.4	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	108-90-7	Chlorobenzene	9.4	U	U	9.4	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	100-41-4	Ethylbenzene	9.4	U	U	9.4	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	95-47-6	o-Xylene	9.4	U	U	9.4	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	179601-23-1	m,p-Xylene	9.4	U	U	9.4	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	100-42-5	Styrene	9.4	U	U	9.4	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	75-25-2	Bromoform	9.4	U	U	9.4	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	98-82-8	Isopropylbenzene	9.4	U	U	9.4	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	96-18-4	1,2,3-Trichloropropane	9.4	U	U	9.4	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	9.4	U	U	9.4	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	541-73-1	1,3-Dichlorobenzene	9.4	U	U	9.4	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	106-46-7	1,4-Dichlorobenzene	9.4	U	U	9.4	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	95-50-1	1,2-Dichlorobenzene	9.4	U	U	9.4	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	9.4	U	U	9.4	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	9.4	U	U	9.4	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	9.4	U	U	9.4	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	120-82-1	1,2,4-trichlorobenzene	9.4	U	U	9.4	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	9.4	U	U	9.4	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	6100-SED23C
BG507	Sediment	04/20/2021	1.0	75-71-8	Dichlorodifluoromethane	8.5	U	U	8.5	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	74-87-3	Chloromethane	8.5	U	UJ	8.5	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	75-01-4	Vinyl chloride	8.5	U	U	8.5	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	74-83-9	Bromomethane	8.5	U	U	8.5	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	75-00-3	Chloroethane	8.5	U	U	8.5	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	75-69-4	Trichlorofluoromethane	8.5	U	U	8.5	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	75-35-4	1,1-Dichloroethene	8.5	U	UJ	8.5	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	8.5	U	U	8.5	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	67-64-1	Acetone	17		U	17	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	75-15-0	Carbon disulfide	3.9	J	J	8.5	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	79-20-9	Methyl Acetate	8.5	U	U	8.5	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	75-09-2	Methylene chloride	8.5	J	U	8.5	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	156-60-5	trans-1,2-Dichloroethene	8.5	U	UJ	8.5	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	1634-04-4	Methyl tert-butyl Ether	8.5	U	U	8.5	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	75-34-3	1,1-Dichloroethane	8.5	U	U	8.5	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	156-59-2	cis-1,2-Dichloroethene	8.5	U	UJ	8.5	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	78-93-3	2-Butanone	17	U	U	17	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	74-97-5	Bromochloromethane	8.5	U	U	8.5	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	67-66-3	Chloroform	8.5	U	U	8.5	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	71-55-6	1,1,1-Trichloroethane	8.5	U	U	8.5	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	110-82-7	Cyclohexane	8.5	U	U	8.5	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	56-23-5	Carbon tetrachloride	8.5	U	U	8.5	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	71-43-2	Benzene	8.5	U	U	8.5	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	107-06-2	1,2-Dichloroethane	8.5	U	U	8.5	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	79-01-6	Trichloroethene	8.5	U	U	8.5	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	108-87-2	Methylcyclohexane	8.5	U	U	8.5	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	78-87-5	1,2-Dichloropropane	8.5	U	U	8.5	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	75-27-4	Bromodichloromethane	8.5	U	U	8.5	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	8.5	U	U	8.5	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	108-10-1	4-Methyl-2-pentanone	17	U	U	17	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	108-88-3	Toluene	8.5	U	U	8.5	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	8.5	U	U	8.5	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	79-00-5	1,1,2-Trichloroethane	8.5	U	U	8.5	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	127-18-4	Tetrachloroethene	8.5	U	U	8.5	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	591-78-6	2-Hexanone	17	U	U	17	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	124-48-1	Dibromochloromethane	8.5	U	U	8.5	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	106-93-4	1,2-Dibromoethane	8.5	U	U	8.5	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	108-90-7	Chlorobenzene	8.5	U	U	8.5	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	100-41-4	Ethylbenzene	8.5	U	U	8.5	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	95-47-6	o-Xylene	8.5	U	U	8.5	ug/kg	6100-SED24A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG507	Sediment	04/20/2021	1.0	179601-23-1	m,p-Xylene	8.5	U	U	8.5	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	100-42-5	Styrene	8.5	U	U	8.5	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	75-25-2	Bromoform	8.5	U	U	8.5	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	98-82-8	Isopropylbenzene	8.5	U	U	8.5	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	96-18-4	1,2,3-Trichloropropane	8.5	U	U	8.5	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	8.5	U	U	8.5	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	541-73-1	1,3-Dichlorobenzene	8.5	U	U	8.5	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	106-46-7	1,4-Dichlorobenzene	8.5	U	U	8.5	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	95-50-1	1,2-Dichlorobenzene	8.5	U	U	8.5	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	8.5	U	U	8.5	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	8.5	U	U	8.5	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	8.5	U	U	8.5	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	120-82-1	1,2,4-trichlorobenzene	8.5	U	U	8.5	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	8.5	U	U	8.5	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	6100-SED24A
BG508	Sediment	04/20/2021	1.0	75-71-8	Dichlorodifluoromethane	8.2	U	U	8.2	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	74-87-3	Chloromethane	8.2	U	UJ	8.2	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	75-01-4	Vinyl chloride	8.2	U	U	8.2	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	74-83-9	Bromomethane	8.2	U	U	8.2	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	75-00-3	Chloroethane	8.2	U	U	8.2	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	75-69-4	Trichlorofluoromethane	8.2	U	U	8.2	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	75-35-4	1,1-Dichloroethene	8.2	U	UJ	8.2	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	8.2	U	U	8.2	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	67-64-1	Acetone	16		U	16	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	75-15-0	Carbon disulfide	4.8	J	J	8.2	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	79-20-9	Methyl Acetate	8.2	U	U	8.2	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	75-09-2	Methylene chloride	8.2	J	U	8.2	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	156-60-5	trans-1,2-Dichloroethene	8.2	U	UJ	8.2	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	1634-04-4	Methyl tert-butyl Ether	8.2	U	U	8.2	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	75-34-3	1,1-Dichloroethane	8.2	U	U	8.2	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	156-59-2	cis-1,2-Dichloroethene	8.2	U	UJ	8.2	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	78-93-3	2-Butanone	16	U	U	16	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	74-97-5	Bromochloromethane	8.2	U	U	8.2	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	67-66-3	Chloroform	8.2	U	U	8.2	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	71-55-6	1,1,1-Trichloroethane	8.2	U	U	8.2	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	110-82-7	Cyclohexane	8.2	U	U	8.2	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	56-23-5	Carbon tetrachloride	8.2	U	U	8.2	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	71-43-2	Benzene	8.2	U	U	8.2	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	107-06-2	1,2-Dichloroethane	8.2	U	U	8.2	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	79-01-6	Trichloroethene	8.2	U	U	8.2	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	108-87-2	Methylcyclohexane	8.2	U	U	8.2	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	78-87-5	1,2-Dichloropropane	8.2	U	U	8.2	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	75-27-4	Bromodichloromethane	8.2	U	U	8.2	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	8.2	U	U	8.2	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	108-10-1	4-Methyl-2-pentanone	16	U	U	16	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	108-88-3	Toluene	8.2	U	U	8.2	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	8.2	U	U	8.2	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	79-00-5	1,1,2-Trichloroethane	8.2	U	U	8.2	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	127-18-4	Tetrachloroethene	8.2	U	U	8.2	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	591-78-6	2-Hexanone	16	U	U	16	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	124-48-1	Dibromochloromethane	8.2	U	U	8.2	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	106-93-4	1,2-Dibromoethane	8.2	U	U	8.2	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	108-90-7	Chlorobenzene	8.2	U	U	8.2	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	100-41-4	Ethylbenzene	8.2	U	U	8.2	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	95-47-6	o-Xylene	8.2	U	U	8.2	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	179601-23-1	m,p-Xylene	8.2	U	U	8.2	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	100-42-5	Styrene	8.2	U	U	8.2	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	75-25-2	Bromoform	8.2	U	U	8.2	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	98-82-8	Isopropylbenzene	8.2	U	U	8.2	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	96-18-4	1,2,3-Trichloropropane	8.2	U	U	8.2	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	8.2	U	U	8.2	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	541-73-1	1,3-Dichlorobenzene	8.2	U	U	8.2	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	106-46-7	1,4-Dichlorobenzene	8.2	U	U	8.2	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	95-50-1	1,2-Dichlorobenzene	8.2	U	U	8.2	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	8.2	U	U	8.2	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	8.2	U	U	8.2	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	8.2	U	U	8.2	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	120-82-1	1,2,4-trichlorobenzene	8.2	U	U	8.2	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	8.2	U	U	8.2	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	003557-49-1	7H-Dibenzo[b,g]carbazole, 7-methyl	5.0	JN	JN		ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	6100-SED24B

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG509	Sediment	04/20/2021	1.0	75-71-8	Dichlorodifluoromethane	18	U	U	18	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	74-87-3	Chloromethane	18	U	UJ	18	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	75-01-4	Vinyl chloride	18	U	U	18	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	74-83-9	Bromomethane	18	U	U	18	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	75-00-3	Chloroethane	18	U	U	18	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	75-69-4	Trichlorofluoromethane	18	U	U	18	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	75-35-4	1,1-Dichloroethene	18	U	UJ	18	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	18	U	U	18	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	67-64-1	Acetone	92			37	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	75-15-0	Carbon disulfide	9.6	J	J	18	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	79-20-9	Methyl Acetate	18	U	U	18	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	75-09-2	Methylene chloride	18	J	U	18	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	156-60-5	trans-1,2-Dichloroethene	18	U	UJ	18	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	1634-04-4	Methyl tert-butyl Ether	18	U	U	18	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	75-34-3	1,1-Dichloroethane	18	U	U	18	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	156-59-2	cis-1,2-Dichloroethene	18	U	UJ	18	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	78-93-3	2-Butanone	37	U	U	37	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	74-97-5	Bromochloromethane	18	U	U	18	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	67-66-3	Chloroform	18	U	U	18	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	71-55-6	1,1,1-Trichloroethane	18	U	U	18	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	110-82-7	Cyclohexane	18	U	U	18	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	56-23-5	Carbon tetrachloride	18	U	U	18	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	71-43-2	Benzene	18	U	U	18	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	107-06-2	1,2-Dichloroethane	18	U	U	18	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	79-01-6	Trichloroethene	18	U	U	18	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	108-87-2	Methylcyclohexane	18	U	U	18	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	78-87-5	1,2-Dichloropropane	18	U	U	18	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	75-27-4	Bromodichloromethane	18	U	U	18	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	18	U	U	18	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	108-10-1	4-Methyl-2-pentanone	37	U	U	37	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	108-88-3	Toluene	18	U	U	18	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	18	U	U	18	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	79-00-5	1,1,2-Trichloroethane	18	U	U	18	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	127-18-4	Tetrachloroethene	18	U	U	18	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	591-78-6	2-Hexanone	37	U	U	37	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	124-48-1	Dibromochloromethane	18	U	U	18	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	106-93-4	1,2-Dibromoethane	18	U	U	18	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	108-90-7	Chlorobenzene	18	U	U	18	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	100-41-4	Ethylbenzene	18	U	U	18	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	95-47-6	o-Xylene	18	U	U	18	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	179601-23-1	m,p-Xylene	18	U	U	18	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	100-42-5	Styrene	18	U	U	18	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	75-25-2	Bromoform	18	U	U	18	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	98-82-8	Isopropylbenzene	18	U	U	18	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	96-18-4	1,2,3-Trichloropropane	18	U	U	18	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	18	U	U	18	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	541-73-1	1,3-Dichlorobenzene	18	U	U	18	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	106-46-7	1,4-Dichlorobenzene	18	U	U	18	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	95-50-1	1,2-Dichlorobenzene	18	U	U	18	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	18	U	U	18	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	18	U	U	18	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	18	U	U	18	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	120-82-1	1,2,4-trichlorobenzene	18	U	U	18	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	18	U	U	18	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	6100-SED24C
BG510	Sediment	04/20/2021	1.0	75-71-8	Dichlorodifluoromethane	6.4	U	U	6.4	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	74-87-3	Chloromethane	6.4	U	UJ	6.4	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	75-01-4	Vinyl chloride	6.4	U	U	6.4	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	74-83-9	Bromomethane	6.4	U	U	6.4	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	75-00-3	Chloroethane	6.4	U	U	6.4	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	75-69-4	Trichlorofluoromethane	6.4	U	U	6.4	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	75-35-4	1,1-Dichloroethene	6.4	U	UJ	6.4	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6.4	U	U	6.4	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	67-64-1	Acetone	31			13	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	75-15-0	Carbon disulfide	0.92	J	J	6.4	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	79-20-9	Methyl Acetate	6.4	U	U	6.4	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	75-09-2	Methylene chloride	6.4	J	U	6.4	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	156-60-5	trans-1,2-Dichloroethene	6.4	U	UJ	6.4	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	1634-04-4	Methyl tert-butyl Ether	6.4	U	U	6.4	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	75-34-3	1,1-Dichloroethane	6.4	U	U	6.4	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	156-59-2	cis-1,2-Dichloroethene	6.4	U	UJ	6.4	ug/kg	6100-SED25A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG510	Sediment	04/20/2021	1.0	78-93-3	2-Butanone	13	U	U	13	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	74-97-5	Bromochloromethane	6.4	U	U	6.4	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	67-66-3	Chloroform	6.4	U	U	6.4	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	71-55-6	1,1,1-Trichloroethane	6.4	U	U	6.4	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	110-82-7	Cyclohexane	6.4	U	U	6.4	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	56-23-5	Carbon tetrachloride	6.4	U	U	6.4	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	71-43-2	Benzene	6.4	U	U	6.4	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	107-06-2	1,2-Dichloroethane	6.4	U	U	6.4	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	79-01-6	Trichloroethene	6.4	U	U	6.4	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	108-87-2	Methylcyclohexane	6.4	U	U	6.4	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	78-87-5	1,2-Dichloropropane	6.4	U	U	6.4	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	75-27-4	Bromodichloromethane	6.4	U	U	6.4	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	6.4	U	U	6.4	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	108-10-1	4-Methyl-2-pentanone	13	U	U	13	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	108-88-3	Toluene	6.4	U	U	6.4	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	6.4	U	U	6.4	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	79-00-5	1,1,2-Trichloroethane	6.4	U	U	6.4	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	127-18-4	Tetrachloroethene	6.4	U	U	6.4	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	591-78-6	2-Hexanone	13	U	U	13	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	124-48-1	Dibromochloromethane	6.4	U	U	6.4	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	106-93-4	1,2-Dibromoethane	6.4	U	U	6.4	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	108-90-7	Chlorobenzene	6.4	U	U	6.4	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	100-41-4	Ethylbenzene	6.4	U	U	6.4	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	95-47-6	o-Xylene	6.4	U	U	6.4	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	179601-23-1	m,p-Xylene	6.4	U	U	6.4	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	100-42-5	Styrene	6.4	U	U	6.4	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	75-25-2	Bromoform	6.4	U	U	6.4	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	98-82-8	Isopropylbenzene	6.4	U	U	6.4	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	96-18-4	1,2,3-Trichloropropane	6.4	U	U	6.4	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	6.4	U	U	6.4	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	541-73-1	1,3-Dichlorobenzene	6.4	U	U	6.4	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	106-46-7	1,4-Dichlorobenzene	6.4	U	U	6.4	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	95-50-1	1,2-Dichlorobenzene	6.4	U	U	6.4	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	6.4	U	U	6.4	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	6.4	U	U	6.4	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	6.4	U	U	6.4	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	120-82-1	1,2,4-trichlorobenzene	6.4	U	U	6.4	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	6.4	U	U	6.4	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	6100-SED25A
BG511	Sediment	04/20/2021	1.0	75-71-8	Dichlorodifluoromethane	12	U	U	12	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	74-87-3	Chloromethane	12	U	UJ	12	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	75-01-4	Vinyl chloride	12	U	U	12	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	74-83-9	Bromomethane	12	U	U	12	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	75-00-3	Chloroethane	12	U	U	12	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	75-69-4	Trichlorofluoromethane	12	U	U	12	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	75-35-4	1,1-Dichloroethene	12	U	UJ	12	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	12	U	U	12	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	67-64-1	Acetone	53			23	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	75-15-0	Carbon disulfide	7.0	J	J	12	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	79-20-9	Methyl Acetate	12	U	U	12	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	75-09-2	Methylene chloride	12	J	U	12	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	156-60-5	trans-1,2-Dichloroethene	12	U	UJ	12	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	1634-04-4	Methyl tert-butyl Ether	12	U	U	12	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	75-34-3	1,1-Dichloroethane	12	U	U	12	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	156-59-2	cis-1,2-Dichloroethene	12	U	UJ	12	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	78-93-3	2-Butanone	23	U	U	23	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	74-97-5	Bromochloromethane	12	U	U	12	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	67-66-3	Chloroform	12	U	U	12	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	71-55-6	1,1,1-Trichloroethane	12	U	U	12	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	110-82-7	Cyclohexane	12	U	U	12	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	56-23-5	Carbon tetrachloride	12	U	U	12	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	71-43-2	Benzene	12	U	U	12	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	107-06-2	1,2-Dichloroethane	12	U	U	12	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	79-01-6	Trichloroethene	12	U	U	12	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	108-87-2	Methylcyclohexane	12	U	U	12	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	78-87-5	1,2-Dichloropropane	12	U	U	12	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	75-27-4	Bromodichloromethane	12	U	U	12	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	12	U	U	12	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	108-10-1	4-Methyl-2-pentanone	23	U	U	23	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	108-88-3	Toluene	12	U	U	12	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	12	U	U	12	ug/kg	6100-SED25B

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG511	Sediment	04/20/2021	1.0	79-00-5	1,1,2-Trichloroethane	12	U	U	12	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	127-18-4	Tetrachloroethene	12	U	U	12	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	591-78-6	2-Hexanone	23	U	U	23	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	124-48-1	Dibromochloromethane	12	U	U	12	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	106-93-4	1,2-Dibromoethane	12	U	U	12	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	108-90-7	Chlorobenzene	12	U	U	12	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	100-41-4	Ethylbenzene	12	U	U	12	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	95-47-6	o-Xylene	12	U	U	12	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	179601-23-1	m,p-Xylene	12	U	U	12	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	100-42-5	Styrene	12	U	U	12	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	75-25-2	Bromoform	12	U	U	12	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	98-82-8	Isopropylbenzene	12	U	U	12	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	96-18-4	1,2,3-Trichloropropane	12	U	U	12	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	12	U	U	12	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	541-73-1	1,3-Dichlorobenzene	12	U	U	12	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	106-46-7	1,4-Dichlorobenzene	12	U	U	12	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	95-50-1	1,2-Dichlorobenzene	12	U	U	12	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	12	U	U	12	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	12	U	U	12	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	12	U	U	12	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	120-82-1	1,2,4-trichlorobenzene	12	U	U	12	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	12	U	U	12	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	6100-SED25B
BG512	Sediment	04/20/2021	1.0	75-71-8	Dichlorodifluoromethane	35	U	UJ	35	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	74-87-3	Chloromethane	35	U	UJ	35	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	75-01-4	Vinyl chloride	35	U	UJ	35	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	74-83-9	Bromomethane	35	U	UJ	35	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	75-00-3	Chloroethane	35	U	UJ	35	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	75-69-4	Trichlorofluoromethane	35	U	UJ	35	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	75-35-4	1,1-Dichloroethene	35	U	UJ	35	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	35	U	UJ	35	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	67-64-1	Acetone	920		J	70	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	75-15-0	Carbon disulfide	130		J	35	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	79-20-9	Methyl Acetate	35	U	UJ	35	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	75-09-2	Methylene chloride	35	J	UJ	35	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	156-60-5	trans-1,2-Dichloroethene	35	U	UJ	35	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	1634-04-4	Methyl tert-butyl Ether	35	U	UJ	35	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	75-34-3	1,1-Dichloroethane	35	U	UJ	35	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	156-59-2	cis-1,2-Dichloroethene	35	U	UJ	35	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	78-93-3	2-Butanone	230		J	70	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	74-97-5	Bromochloromethane	35	U	UJ	35	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	67-66-3	Chloroform	35	U	UJ	35	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	71-55-6	1,1,1-Trichloroethane	35	U	UJ	35	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	110-82-7	Cyclohexane	35	U	UJ	35	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	56-23-5	Carbon tetrachloride	35	U	UJ	35	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	71-43-2	Benzene	35	U	UJ	35	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	107-06-2	1,2-Dichloroethane	35	U	UJ	35	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	79-01-6	Trichloroethene	35	U	UJ	35	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	108-87-2	Methylcyclohexane	35	U	UJ	35	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	78-87-5	1,2-Dichloropropane	35	U	UJ	35	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	75-27-4	Bromodichloromethane	35	U	UJ	35	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	35	U	UJ	35	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	108-10-1	4-Methyl-2-pentanone	70	U	UJ	70	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	108-88-3	Toluene	35	JB	UJ	35	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	35	U	UJ	35	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	79-00-5	1,1,2-Trichloroethane	35	U	UJ	35	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	127-18-4	Tetrachloroethene	35	U	UJ	35	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	591-78-6	2-Hexanone	70	U	UJ	70	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	124-48-1	Dibromochloromethane	35	U	UJ	35	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	106-93-4	1,2-Dibromoethane	35	U	UJ	35	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	108-90-7	Chlorobenzene	35	U	UJ	35	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	100-41-4	Ethylbenzene	35	U	UJ	35	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	95-47-6	o-Xylene	35	U	UJ	35	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	179601-23-1	m,p-Xylene	35	U	UJ	35	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	100-42-5	Styrene	35	U	UJ	35	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	75-25-2	Bromoform	35	U	UJ	35	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	98-82-8	Isopropylbenzene	35	U	UJ	35	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	96-18-4	1,2,3-Trichloropropane	35	U	UJ	35	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	35	U	UJ	35	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	541-73-1	1,3-Dichlorobenzene	35	U	UJ	35	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	106-46-7	1,4-Dichlorobenzene	35	U	UJ	35	ug/kg	6100-SED25C

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG512	Sediment	04/20/2021	1.0	95-50-1	1,2-Dichlorobenzene	35	U	UJ	35	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	35	U	UJ	35	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	35	U	UJ	35	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	35	U	UJ	35	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	120-82-1	1,2,4-trichlorobenzene	35	U	UJ	35	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	35	U	UJ	35	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	unknown-01	unknown-01	23	J	J		ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	unknown-02	unknown-02	28	J	J		ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	051677-41-9	Butane, 2-azido-2,3,3-trimethyl-	30	JN	JN		ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	E966796	Total Alkanes	230	BN	BN		ug/kg	6100-SED25C
BG512ME	Sediment		1.0	75-71-8	Dichlorodifluoromethane	2400	U	UJ	2400	ug/kg	6100-SED25C
BG512ME	Sediment		1.0	74-87-3	Chloromethane	2400	U	UJ	2400	ug/kg	6100-SED25C
BG512ME	Sediment		1.0	75-01-4	Vinyl chloride	2400	U	UJ	2400	ug/kg	6100-SED25C
BG512ME	Sediment		1.0	74-83-9	Bromomethane	2400	U	UJ	2400	ug/kg	6100-SED25C
BG512ME	Sediment		1.0	75-00-3	Chloroethane	2400	U	UJ	2400	ug/kg	6100-SED25C
BG512ME	Sediment		1.0	75-69-4	Trichlorofluoromethane	2400	U	UJ	2400	ug/kg	6100-SED25C
BG512ME	Sediment		1.0	75-35-4	1,1-Dichloroethene	2400	U	UJ	2400	ug/kg	6100-SED25C
BG512ME	Sediment		1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2400	U	UJ	2400	ug/kg	6100-SED25C
BG512ME	Sediment		1.0	67-64-1	Acetone	4900	U	UJ	4900	ug/kg	6100-SED25C
BG512ME	Sediment		1.0	75-15-0	Carbon disulfide	2400	U	UJ	2400	ug/kg	6100-SED25C
BG512ME	Sediment		1.0	79-20-9	Methyl Acetate	2400	U	UJ	2400	ug/kg	6100-SED25C
BG512ME	Sediment		1.0	75-09-2	Methylene chloride	2400	U	UJ	2400	ug/kg	6100-SED25C
BG512ME	Sediment		1.0	156-60-5	trans-1,2-Dichloroethene	2400	U	UJ	2400	ug/kg	6100-SED25C
BG512ME	Sediment		1.0	1634-04-4	Methyl tert-butyl Ether	2400	U	UJ	2400	ug/kg	6100-SED25C
BG512ME	Sediment		1.0	75-34-3	1,1-Dichloroethane	2400	U	UJ	2400	ug/kg	6100-SED25C
BG512ME	Sediment		1.0	156-59-2	cis-1,2-Dichloroethene	2400	U	UJ	2400	ug/kg	6100-SED25C
BG512ME	Sediment		1.0	78-93-3	2-Butanone	4900	U	UJ	4900	ug/kg	6100-SED25C
BG512ME	Sediment		1.0	74-97-5	Bromochloromethane	2400	U	UJ	2400	ug/kg	6100-SED25C
BG512ME	Sediment		1.0	67-66-3	Chloroform	2400	U	UJ	2400	ug/kg	6100-SED25C
BG512ME	Sediment		1.0	71-55-6	1,1,1-Trichloroethane	2400	U	UJ	2400	ug/kg	6100-SED25C
BG512ME	Sediment		1.0	110-82-7	Cyclohexane	2400	U	UJ	2400	ug/kg	6100-SED25C
BG512ME	Sediment		1.0	56-23-5	Carbon tetrachloride	2400	U	UJ	2400	ug/kg	6100-SED25C
BG512ME	Sediment		1.0	71-43-2	Benzene	2400	U	UJ	2400	ug/kg	6100-SED25C
BG512ME	Sediment		1.0	107-06-2	1,2-Dichloroethane	2400	U	UJ	2400	ug/kg	6100-SED25C
BG512ME	Sediment		1.0	79-01-6	Trichloroethene	2400	U	UJ	2400	ug/kg	6100-SED25C
BG512ME	Sediment		1.0	108-87-2	Methylcyclohexane	2400	U	UJ	2400	ug/kg	6100-SED25C
BG512ME	Sediment		1.0	78-87-5	1,2-Dichloropropane	2400	U	UJ	2400	ug/kg	6100-SED25C
BG512ME	Sediment		1.0	75-27-4	Bromodichloromethane	2400	U	UJ	2400	ug/kg	6100-SED25C
BG512ME	Sediment		1.0	10061-01-5	cis-1,3-Dichloropropene	2400	U	UJ	2400	ug/kg	6100-SED25C
BG512ME	Sediment		1.0	108-10-1	4-Methyl-2-pentanone	4900	U	UJ	4900	ug/kg	6100-SED25C
BG512ME	Sediment		1.0	108-88-3	Toluene	2400	U	UJ	2400	ug/kg	6100-SED25C
BG512ME	Sediment		1.0	10061-02-6	trans-1,3-Dichloropropene	2400	U	UJ	2400	ug/kg	6100-SED25C
BG512ME	Sediment		1.0	79-00-5	1,1,2-Trichloroethane	2400	U	UJ	2400	ug/kg	6100-SED25C
BG512ME	Sediment		1.0	127-18-4	Tetrachloroethene	2400	U	UJ	2400	ug/kg	6100-SED25C
BG512ME	Sediment		1.0	591-78-6	2-Hexanone	4900	U	UJ	4900	ug/kg	6100-SED25C
BG512ME	Sediment		1.0	124-48-1	Dibromochloromethane	2400	U	UJ	2400	ug/kg	6100-SED25C
BG512ME	Sediment		1.0	106-93-4	1,2-Dibromoethane	2400	U	UJ	2400	ug/kg	6100-SED25C
BG512ME	Sediment		1.0	108-90-7	Chlorobenzene	2400	U	UJ	2400	ug/kg	6100-SED25C
BG512ME	Sediment		1.0	100-41-4	Ethylbenzene	2400	U	UJ	2400	ug/kg	6100-SED25C
BG512ME	Sediment		1.0	95-47-6	o-Xylene	2400	U	UJ	2400	ug/kg	6100-SED25C
BG512ME	Sediment		1.0	179601-23-1	m,p-Xylene	2400	U	UJ	2400	ug/kg	6100-SED25C
BG512ME	Sediment		1.0	100-42-5	Styrene	2400	U	UJ	2400	ug/kg	6100-SED25C
BG512ME	Sediment		1.0	75-25-2	Bromoform	2400	U	UJ	2400	ug/kg	6100-SED25C
BG512ME	Sediment		1.0	98-82-8	Isopropylbenzene	2400	U	UJ	2400	ug/kg	6100-SED25C
BG512ME	Sediment		1.0	96-18-4	1,2,3-Trichloropropane	2400	U	UJ	2400	ug/kg	6100-SED25C
BG512ME	Sediment		1.0	79-34-5	1,1,2,2-Tetrachloroethane	2400	U	UJ	2400	ug/kg	6100-SED25C
BG512ME	Sediment		1.0	541-73-1	1,3-Dichlorobenzene	2400	U	UJ	2400	ug/kg	6100-SED25C
BG512ME	Sediment		1.0	106-46-7	1,4-Dichlorobenzene	2400	U	UJ	2400	ug/kg	6100-SED25C
BG512ME	Sediment		1.0	95-50-1	1,2-Dichlorobenzene	2400	U	UJ	2400	ug/kg	6100-SED25C
BG512ME	Sediment		1.0	96-12-8	1,2-Dibromo-3-chloropropane	2400	U	UJ	2400	ug/kg	6100-SED25C
BG512ME	Sediment		1.0	95-63-6	1,2,4-Trimethylbenzene	2400	U	UJ	2400	ug/kg	6100-SED25C
BG512ME	Sediment		1.0	108-67-8	1,3,5-Trimethylbenzene	2400	U	UJ	2400	ug/kg	6100-SED25C
BG512ME	Sediment		1.0	120-82-1	1,2,4-trichlorobenzene	2400	U	UJ	2400	ug/kg	6100-SED25C
BG512ME	Sediment		1.0	87-61-6	1,2,3-Trichlorobenzene	2400	U	UJ	2400	ug/kg	6100-SED25C
BG512ME	Sediment		1.0	E966796	Total Alkanes		N	N		ug/kg	6100-SED25C
BG513	Sediment	04/20/2021	1.0	75-71-8	Dichlorodifluoromethane	6.2	U	U	6.2	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	74-87-3	Chloromethane	6.2	U	UJ	6.2	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	75-01-4	Vinyl chloride	6.2	U	U	6.2	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	74-83-9	Bromomethane	6.2	U	U	6.2	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	75-00-3	Chloroethane	6.2	U	U	6.2	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	75-69-4	Trichlorofluoromethane	6.2	U	U	6.2	ug/kg	6100-SED26A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG513	Sediment	04/20/2021	1.0	75-35-4	1,1-Dichloroethene	6.2	U	UJ	6.2	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6.2	U	U	6.2	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	67-64-1	Acetone	33			12	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	75-15-0	Carbon disulfide	0.87	J	J	6.2	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	79-20-9	Methyl Acetate	6.2	U	U	6.2	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	75-09-2	Methylene chloride	6.2	J	U	6.2	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	156-60-5	trans-1,2-Dichloroethene	6.2	U	UJ	6.2	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	1634-04-4	Methyl tert-butyl Ether	6.2	U	U	6.2	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	75-34-3	1,1-Dichloroethane	6.2	U	U	6.2	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	156-59-2	cis-1,2-Dichloroethene	6.2	U	UJ	6.2	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	78-93-3	2-Butanone	12	U	U	12	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	74-97-5	Bromochloromethane	6.2	U	U	6.2	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	67-66-3	Chloroform	6.2	U	U	6.2	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	71-55-6	1,1,1-Trichloroethane	6.2	U	U	6.2	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	110-82-7	Cyclohexane	6.2	U	U	6.2	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	56-23-5	Carbon tetrachloride	6.2	U	U	6.2	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	71-43-2	Benzene	6.2	U	U	6.2	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	107-06-2	1,2-Dichloroethane	6.2	U	U	6.2	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	79-01-6	Trichloroethene	6.2	U	U	6.2	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	108-87-2	Methylcyclohexane	6.2	U	U	6.2	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	78-87-5	1,2-Dichloropropane	6.2	U	U	6.2	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	75-27-4	Bromodichloromethane	6.2	U	U	6.2	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	6.2	U	U	6.2	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	108-10-1	4-Methyl-2-pentanone	12	U	U	12	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	108-88-3	Toluene	6.2	U	U	6.2	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	6.2	U	U	6.2	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	79-00-5	1,1,2-Trichloroethane	6.2	U	U	6.2	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	127-18-4	Tetrachloroethene	6.2	U	U	6.2	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	591-78-6	2-Hexanone	12	U	U	12	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	124-48-1	Dibromochloromethane	6.2	U	U	6.2	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	106-93-4	1,2-Dibromoethane	6.2	U	U	6.2	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	108-90-7	Chlorobenzene	6.2	U	U	6.2	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	100-41-4	Ethylbenzene	6.2	U	U	6.2	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	95-47-6	o-Xylene	6.2	U	U	6.2	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	179601-23-1	m,p-Xylene	6.2	U	U	6.2	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	100-42-5	Styrene	6.2	U	U	6.2	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	75-25-2	Bromoform	6.2	U	U	6.2	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	98-82-8	Isopropylbenzene	6.2	U	U	6.2	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	96-18-4	1,2,3-Trichloropropane	6.2	U	U	6.2	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	6.2	U	U	6.2	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	541-73-1	1,3-Dichlorobenzene	6.2	U	U	6.2	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	106-46-7	1,4-Dichlorobenzene	6.2	U	U	6.2	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	95-50-1	1,2-Dichlorobenzene	6.2	U	U	6.2	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	6.2	U	U	6.2	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	6.2	U	U	6.2	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	6.2	U	U	6.2	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	120-82-1	1,2,4-trichlorobenzene	6.2	U	U	6.2	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	6.2	U	U	6.2	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	unknown-01	unknown-01	5.8	J	J		ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	6100-SED26A
BG573	Sediment	04/20/2021	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5.0	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	74-87-3	Chloromethane	5.0	U	UJ	5.0	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	75-01-4	Vinyl chloride	5.0	U	U	5.0	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	74-83-9	Bromomethane	5.0	U	UJ	5.0	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	75-00-3	Chloroethane	5.0	U	U	5.0	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5.0	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	75-35-4	1,1-Dichloroethene	5.0	U	UJ	5.0	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5.0	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	67-64-1	Acetone	10	J	U	10	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	75-15-0	Carbon disulfide	2.1	J	J	5.0	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	79-20-9	Methyl Acetate	5.0	U	U	5.0	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	75-09-2	Methylene chloride	5.0	J	U	5.0	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	UJ	5.0	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5.0	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5.0	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	UJ	5.0	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	78-93-3	2-Butanone	10	U	U	10	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	74-97-5	Bromochloromethane	5.0	U	U	5.0	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	67-66-3	Chloroform	5.0	U	U	5.0	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5.0	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	110-82-7	Cyclohexane	5.0	U	U	5.0	ug/kg	6100-SED06A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG573	Sediment	04/20/2021	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5.0	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	71-43-2	Benzene	5.0	U	U	5.0	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5.0	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	79-01-6	Trichloroethene	5.0	U	U	5.0	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5.0	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5.0	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5.0	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5.0	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	108-88-3	Toluene	5.0	U	U	5.0	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5.0	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5.0	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5.0	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5.0	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5.0	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	108-90-7	Chlorobenzene	5.0	U	U	5.0	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	100-41-4	Ethylbenzene	5.0	U	U	5.0	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	95-47-6	o-Xylene	5.0	U	U	5.0	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5.0	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	100-42-5	Styrene	5.0	U	U	5.0	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	75-25-2	Bromoform	5.0	U	U	5.0	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5.0	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	96-18-4	1,2,3-Trichloropropane	5.0	U	U	5.0	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5.0	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5.0	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5.0	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5.0	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5.0	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	5.0	U	U	5.0	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	5.0	U	U	5.0	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5.0	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5.0	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	6100-SED06A
BG574	Sediment	04/20/2021	1.0	75-71-8	Dichlorodifluoromethane	5.4	U	U	5.4	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	74-87-3	Chloromethane	5.4	U	UJ	5.4	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	75-01-4	Vinyl chloride	5.4	U	U	5.4	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	74-83-9	Bromomethane	5.4	U	UJ	5.4	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	75-00-3	Chloroethane	5.4	U	U	5.4	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	75-69-4	Trichlorofluoromethane	5.4	U	U	5.4	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	75-35-4	1,1-Dichloroethene	5.4	U	UJ	5.4	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.4	U	U	5.4	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	67-64-1	Acetone	11	J	U	11	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	75-15-0	Carbon disulfide	1.3	J	J	5.4	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	79-20-9	Methyl Acetate	5.4	U	U	5.4	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	75-09-2	Methylene chloride	5.4	J	U	5.4	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	156-60-5	trans-1,2-Dichloroethene	5.4	U	UJ	5.4	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	1634-04-4	Methyl tert-butyl Ether	5.4	U	U	5.4	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	75-34-3	1,1-Dichloroethane	5.4	U	U	5.4	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	156-59-2	cis-1,2-Dichloroethene	5.4	U	UJ	5.4	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	78-93-3	2-Butanone	11	U	U	11	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	74-97-5	Bromochloromethane	5.4	U	U	5.4	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	67-66-3	Chloroform	5.4	U	U	5.4	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	71-55-6	1,1,1-Trichloroethane	5.4	U	U	5.4	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	110-82-7	Cyclohexane	5.4	U	U	5.4	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	56-23-5	Carbon tetrachloride	5.4	U	U	5.4	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	71-43-2	Benzene	5.4	U	U	5.4	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	107-06-2	1,2-Dichloroethane	5.4	U	U	5.4	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	79-01-6	Trichloroethene	5.4	U	U	5.4	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	108-87-2	Methylcyclohexane	5.4	U	U	5.4	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	78-87-5	1,2-Dichloropropane	5.4	U	U	5.4	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	75-27-4	Bromodichloromethane	5.4	U	U	5.4	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	5.4	U	U	5.4	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	108-10-1	4-Methyl-2-pentanone	11	U	U	11	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	108-88-3	Toluene	5.4	U	U	5.4	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	5.4	U	U	5.4	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	79-00-5	1,1,2-Trichloroethane	5.4	U	U	5.4	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	127-18-4	Tetrachloroethene	5.4	U	U	5.4	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	591-78-6	2-Hexanone	11	U	U	11	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	124-48-1	Dibromochloromethane	5.4	U	U	5.4	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	106-93-4	1,2-Dibromoethane	5.4	U	U	5.4	ug/kg	6100-SED06B

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG574	Sediment	04/20/2021	1.0	108-90-7	Chlorobenzene	5.4	U	U	5.4	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	100-41-4	Ethylbenzene	5.4	U	U	5.4	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	95-47-6	o-Xylene	5.4	U	U	5.4	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	179601-23-1	m,p-Xylene	5.4	U	U	5.4	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	100-42-5	Styrene	5.4	U	U	5.4	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	75-25-2	Bromoform	5.4	U	U	5.4	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	98-82-8	Isopropylbenzene	5.4	U	U	5.4	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	96-18-4	1,2,3-Trichloropropane	5.4	U	U	5.4	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.4	U	U	5.4	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	541-73-1	1,3-Dichlorobenzene	5.4	U	U	5.4	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	106-46-7	1,4-Dichlorobenzene	5.4	U	U	5.4	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	95-50-1	1,2-Dichlorobenzene	5.4	U	U	5.4	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.4	U	U	5.4	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	5.4	U	U	5.4	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	5.4	U	U	5.4	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	120-82-1	1,2,4-trichlorobenzene	5.4	U	U	5.4	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	5.4	U	U	5.4	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	6100-SED06B
BG575	Sediment	04/20/2021	1.0	75-71-8	Dichlorodifluoromethane	6.2	U	U	6.2	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	74-87-3	Chloromethane	6.2	U	UJ	6.2	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	75-01-4	Vinyl chloride	6.2	U	U	6.2	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	74-83-9	Bromomethane	6.2	U	U	6.2	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	75-00-3	Chloroethane	6.2	U	U	6.2	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	75-69-4	Trichlorofluoromethane	6.2	U	UJ	6.2	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	75-35-4	1,1-Dichloroethene	6.2	U	UJ	6.2	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6.2	U	U	6.2	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	67-64-1	Acetone	12	J	U	12	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	75-15-0	Carbon disulfide	6.2	U	U	6.2	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	79-20-9	Methyl Acetate	6.2	U	U	6.2	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	75-09-2	Methylene chloride	6.2		U	6.2	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	156-60-5	trans-1,2-Dichloroethene	6.2	U	UJ	6.2	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	1634-04-4	Methyl tert-butyl Ether	6.2	U	U	6.2	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	75-34-3	1,1-Dichloroethane	6.2	U	U	6.2	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	156-59-2	cis-1,2-Dichloroethene	6.2	U	UJ	6.2	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	78-93-3	2-Butanone	12	U	U	12	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	74-97-5	Bromochloromethane	6.2	U	U	6.2	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	67-66-3	Chloroform	6.2	U	U	6.2	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	71-55-6	1,1,1-Trichloroethane	6.2	U	U	6.2	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	110-82-7	Cyclohexane	6.2	U	U	6.2	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	56-23-5	Carbon tetrachloride	6.2	U	U	6.2	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	71-43-2	Benzene	6.2	U	U	6.2	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	107-06-2	1,2-Dichloroethane	6.2	U	U	6.2	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	79-01-6	Trichloroethene	6.2	U	U	6.2	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	108-87-2	Methylcyclohexane	6.2	U	U	6.2	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	78-87-5	1,2-Dichloropropane	6.2	U	U	6.2	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	75-27-4	Bromodichloromethane	6.2	U	U	6.2	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	6.2	U	U	6.2	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	108-10-1	4-Methyl-2-pentanone	12	U	U	12	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	108-88-3	Toluene	6.2	U	U	6.2	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	6.2	U	U	6.2	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	79-00-5	1,1,2-Trichloroethane	6.2	U	U	6.2	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	127-18-4	Tetrachloroethene	6.2	U	U	6.2	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	591-78-6	2-Hexanone	12	U	U	12	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	124-48-1	Dibromochloromethane	6.2	U	U	6.2	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	106-93-4	1,2-Dibromoethane	6.2	U	U	6.2	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	108-90-7	Chlorobenzene	6.2	U	U	6.2	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	100-41-4	Ethylbenzene	6.2	U	U	6.2	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	95-47-6	o-Xylene	6.2	U	U	6.2	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	179601-23-1	m,p-Xylene	6.2	U	U	6.2	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	100-42-5	Styrene	6.2	U	U	6.2	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	75-25-2	Bromoform	6.2	U	U	6.2	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	98-82-8	Isopropylbenzene	6.2	U	U	6.2	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	96-18-4	1,2,3-Trichloropropane	6.2	U	U	6.2	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	6.2	U	U	6.2	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	541-73-1	1,3-Dichlorobenzene	6.2	U	U	6.2	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	106-46-7	1,4-Dichlorobenzene	6.2	U	U	6.2	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	95-50-1	1,2-Dichlorobenzene	6.2	U	U	6.2	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	6.2	U	U	6.2	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	6.2	U	U	6.2	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	6.2	U	U	6.2	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	120-82-1	1,2,4-trichlorobenzene	6.2	U	U	6.2	ug/kg	6100-SED06C

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG575	Sediment	04/20/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	6.2	U	U	6.2	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	000115-10-6	Dimethyl ether	6.3	JBN	JBN		ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	6100-SED06C
VBLK106		04/22/2021	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5.0	ug/kg	
VBLK106		04/22/2021	1.0	74-87-3	Chloromethane	5.0	U	UJ	5.0	ug/kg	
VBLK106		04/22/2021	1.0	75-01-4	Vinyl chloride	5.0	U	U	5.0	ug/kg	
VBLK106		04/22/2021	1.0	74-83-9	Bromomethane	5.0	U	U	5.0	ug/kg	
VBLK106		04/22/2021	1.0	75-00-3	Chloroethane	5.0	U	U	5.0	ug/kg	
VBLK106		04/22/2021	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5.0	ug/kg	
VBLK106		04/22/2021	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5.0	ug/kg	
VBLK106		04/22/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5.0	ug/kg	
VBLK106		04/22/2021	1.0	67-64-1	Acetone	10	U	U	10	ug/kg	
VBLK106		04/22/2021	1.0	75-15-0	Carbon disulfide	5.0	U	U	5.0	ug/kg	
VBLK106		04/22/2021	1.0	79-20-9	Methyl Acetate	5.0	U	U	5.0	ug/kg	
VBLK106		04/22/2021	1.0	75-09-2	Methylene chloride	5.0	U	U	5.0	ug/kg	
VBLK106		04/22/2021	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5.0	ug/kg	
VBLK106		04/22/2021	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5.0	ug/kg	
VBLK106		04/22/2021	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5.0	ug/kg	
VBLK106		04/22/2021	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5.0	ug/kg	
VBLK106		04/22/2021	1.0	78-93-3	2-Butanone	10	U	U	10	ug/kg	
VBLK106		04/22/2021	1.0	74-97-5	Bromochloromethane	5.0	U	U	5.0	ug/kg	
VBLK106		04/22/2021	1.0	67-66-3	Chloroform	5.0	U	U	5.0	ug/kg	
VBLK106		04/22/2021	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5.0	ug/kg	
VBLK106		04/22/2021	1.0	110-82-7	Cyclohexane	5.0	U	U	5.0	ug/kg	
VBLK106		04/22/2021	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5.0	ug/kg	
VBLK106		04/22/2021	1.0	71-43-2	Benzene	5.0	U	U	5.0	ug/kg	
VBLK106		04/22/2021	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5.0	ug/kg	
VBLK106		04/22/2021	1.0	79-01-6	Trichloroethene	5.0	U	U	5.0	ug/kg	
VBLK106		04/22/2021	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5.0	ug/kg	
VBLK106		04/22/2021	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5.0	ug/kg	
VBLK106		04/22/2021	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5.0	ug/kg	
VBLK106		04/22/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5.0	ug/kg	
VBLK106		04/22/2021	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/kg	
VBLK106		04/22/2021	1.0	108-88-3	Toluene	0.66	J	J	5.0	ug/kg	
VBLK106		04/22/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5.0	ug/kg	
VBLK106		04/22/2021	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5.0	ug/kg	
VBLK106		04/22/2021	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5.0	ug/kg	
VBLK106		04/22/2021	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/kg	
VBLK106		04/22/2021	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5.0	ug/kg	
VBLK106		04/22/2021	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5.0	ug/kg	
VBLK106		04/22/2021	1.0	108-90-7	Chlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK106		04/22/2021	1.0	100-41-4	Ethylbenzene	5.0	U	U	5.0	ug/kg	
VBLK106		04/22/2021	1.0	95-47-6	o-Xylene	5.0	U	U	5.0	ug/kg	
VBLK106		04/22/2021	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5.0	ug/kg	
VBLK106		04/22/2021	1.0	100-42-5	Styrene	5.0	U	U	5.0	ug/kg	
VBLK106		04/22/2021	1.0	75-25-2	Bromoform	5.0	U	U	5.0	ug/kg	
VBLK106		04/22/2021	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5.0	ug/kg	
VBLK106		04/22/2021	1.0	96-18-4	1,2,3-Trichloropropane	5.0	U	U	5.0	ug/kg	
VBLK106		04/22/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5.0	ug/kg	
VBLK106		04/22/2021	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK106		04/22/2021	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK106		04/22/2021	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK106		04/22/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5.0	ug/kg	
VBLK106		04/22/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	5.0	U	U	5.0	ug/kg	
VBLK106		04/22/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	5.0	U	U	5.0	ug/kg	
VBLK106		04/22/2021	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK106		04/22/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK106		04/22/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	
VBLK106		04/22/2021	1.0	000067-63-0	Isopropyl Alcohol	2.7	JN	JN		ug/kg	
VBLK107		04/23/2021	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5.0	ug/kg	
VBLK107		04/23/2021	1.0	74-87-3	Chloromethane	5.0	U	UJ	5.0	ug/kg	
VBLK107		04/23/2021	1.0	75-01-4	Vinyl chloride	5.0	U	U	5.0	ug/kg	
VBLK107		04/23/2021	1.0	74-83-9	Bromomethane	5.0	U	U	5.0	ug/kg	
VBLK107		04/23/2021	1.0	75-00-3	Chloroethane	5.0	U	U	5.0	ug/kg	
VBLK107		04/23/2021	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5.0	ug/kg	
VBLK107		04/23/2021	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5.0	ug/kg	
VBLK107		04/23/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5.0	ug/kg	
VBLK107		04/23/2021	1.0	67-64-1	Acetone	10	U	U	10	ug/kg	
VBLK107		04/23/2021	1.0	75-15-0	Carbon disulfide	5.0	U	U	5.0	ug/kg	
VBLK107		04/23/2021	1.0	79-20-9	Methyl Acetate	5.0	U	U	5.0	ug/kg	
VBLK107		04/23/2021	1.0	75-09-2	Methylene chloride	5.0	U	U	5.0	ug/kg	

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
VBLK107		04/23/2021	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5.0	ug/kg	
VBLK107		04/23/2021	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5.0	ug/kg	
VBLK107		04/23/2021	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5.0	ug/kg	
VBLK107		04/23/2021	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5.0	ug/kg	
VBLK107		04/23/2021	1.0	78-93-3	2-Butanone	10	U	U	10	ug/kg	
VBLK107		04/23/2021	1.0	74-97-5	Bromochloromethane	5.0	U	U	5.0	ug/kg	
VBLK107		04/23/2021	1.0	67-66-3	Chloroform	5.0	U	U	5.0	ug/kg	
VBLK107		04/23/2021	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5.0	ug/kg	
VBLK107		04/23/2021	1.0	110-82-7	Cyclohexane	5.0	U	U	5.0	ug/kg	
VBLK107		04/23/2021	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5.0	ug/kg	
VBLK107		04/23/2021	1.0	71-43-2	Benzene	5.0	U	U	5.0	ug/kg	
VBLK107		04/23/2021	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5.0	ug/kg	
VBLK107		04/23/2021	1.0	79-01-6	Trichloroethene	5.0	U	U	5.0	ug/kg	
VBLK107		04/23/2021	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5.0	ug/kg	
VBLK107		04/23/2021	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5.0	ug/kg	
VBLK107		04/23/2021	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5.0	ug/kg	
VBLK107		04/23/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5.0	ug/kg	
VBLK107		04/23/2021	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/kg	
VBLK107		04/23/2021	1.0	108-88-3	Toluene	0.66	J	J	5.0	ug/kg	
VBLK107		04/23/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5.0	ug/kg	
VBLK107		04/23/2021	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5.0	ug/kg	
VBLK107		04/23/2021	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5.0	ug/kg	
VBLK107		04/23/2021	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/kg	
VBLK107		04/23/2021	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5.0	ug/kg	
VBLK107		04/23/2021	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5.0	ug/kg	
VBLK107		04/23/2021	1.0	108-90-7	Chlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK107		04/23/2021	1.0	100-41-4	Ethylbenzene	5.0	U	U	5.0	ug/kg	
VBLK107		04/23/2021	1.0	95-47-6	o-Xylene	5.0	U	U	5.0	ug/kg	
VBLK107		04/23/2021	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5.0	ug/kg	
VBLK107		04/23/2021	1.0	100-42-5	Styrene	5.0	U	U	5.0	ug/kg	
VBLK107		04/23/2021	1.0	75-25-2	Bromoform	5.0	U	U	5.0	ug/kg	
VBLK107		04/23/2021	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5.0	ug/kg	
VBLK107		04/23/2021	1.0	96-18-4	1,2,3-Trichloropropane	5.0	U	U	5.0	ug/kg	
VBLK107		04/23/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5.0	ug/kg	
VBLK107		04/23/2021	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK107		04/23/2021	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK107		04/23/2021	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK107		04/23/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5.0	ug/kg	
VBLK107		04/23/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	5.0	U	U	5.0	ug/kg	
VBLK107		04/23/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	5.0	U	U	5.0	ug/kg	
VBLK107		04/23/2021	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK107		04/23/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK107		04/23/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	
VBLK108		04/26/2021	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	74-87-3	Chloromethane	5.0	U	UJ	5.0	ug/kg	
VBLK108		04/26/2021	1.0	75-01-4	Vinyl chloride	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	74-83-9	Bromomethane	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	75-00-3	Chloroethane	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	75-69-4	Trichlorofluoromethane	5.0	U	UJ	5.0	ug/kg	
VBLK108		04/26/2021	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	67-64-1	Acetone	10	U	U	10	ug/kg	
VBLK108		04/26/2021	1.0	75-15-0	Carbon disulfide	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	79-20-9	Methyl Acetate	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	75-09-2	Methylene chloride	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	78-93-3	2-Butanone	10	U	U	10	ug/kg	
VBLK108		04/26/2021	1.0	74-97-5	Bromochloromethane	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	67-66-3	Chloroform	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	110-82-7	Cyclohexane	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	71-43-2	Benzene	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	79-01-6	Trichloroethene	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5.0	ug/kg	

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
VBLK108		04/26/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/kg	
VBLK108		04/26/2021	1.0	108-88-3	Toluene	0.68	J	J	5.0	ug/kg	
VBLK108		04/26/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/kg	
VBLK108		04/26/2021	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	108-90-7	Chlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	100-41-4	Ethylbenzene	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	95-47-6	o-Xylene	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	100-42-5	Styrene	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	75-25-2	Bromoform	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	96-18-4	1,2,3-Trichloropropane	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	
VBLK108		04/26/2021	1.0	000115-10-6	Dimethyl ether	6.2	JN	JN		ug/kg	
VBLK110		04/28/2021	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	74-87-3	Chloromethane	5.0	U	UJ	5.0	ug/kg	
VBLK110		04/28/2021	1.0	75-01-4	Vinyl chloride	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	74-83-9	Bromomethane	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	75-00-3	Chloroethane	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	67-64-1	Acetone	10	U	U	10	ug/kg	
VBLK110		04/28/2021	1.0	75-15-0	Carbon disulfide	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	79-20-9	Methyl Acetate	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	75-09-2	Methylene chloride	3.1	J	J	5.0	ug/kg	
VBLK110		04/28/2021	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	78-93-3	2-Butanone	10	U	U	10	ug/kg	
VBLK110		04/28/2021	1.0	74-97-5	Bromochloromethane	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	67-66-3	Chloroform	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	110-82-7	Cyclohexane	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	71-43-2	Benzene	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	79-01-6	Trichloroethene	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/kg	
VBLK110		04/28/2021	1.0	108-88-3	Toluene	0.82	J	J	5.0	ug/kg	
VBLK110		04/28/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/kg	
VBLK110		04/28/2021	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	108-90-7	Chlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	100-41-4	Ethylbenzene	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	95-47-6	o-Xylene	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	100-42-5	Styrene	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	75-25-2	Bromoform	5.0	U	U	5.0	ug/kg	

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
VBLK110		04/28/2021	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	96-18-4	1,2,3-Trichloropropane	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	
VBLK170		04/23/2021	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5.0	ug/L	
VBLK170		04/23/2021	1.0	74-87-3	Chloromethane	5.0	U	U	5.0	ug/L	
VBLK170		04/23/2021	1.0	75-01-4	Vinyl chloride	5.0	U	U	5.0	ug/L	
VBLK170		04/23/2021	1.0	74-83-9	Bromomethane	5.0	U	U	5.0	ug/L	
VBLK170		04/23/2021	1.0	75-00-3	Chloroethane	5.0	U	U	5.0	ug/L	
VBLK170		04/23/2021	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5.0	ug/L	
VBLK170		04/23/2021	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5.0	ug/L	
VBLK170		04/23/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5.0	ug/L	
VBLK170		04/23/2021	1.0	67-64-1	Acetone	10	U	U	10	ug/L	
VBLK170		04/23/2021	1.0	75-15-0	Carbon disulfide	5.0	U	U	5.0	ug/L	
VBLK170		04/23/2021	1.0	79-20-9	Methyl Acetate	5.0	U	U	5.0	ug/L	
VBLK170		04/23/2021	1.0	75-09-2	Methylene chloride	5.0	U	U	5.0	ug/L	
VBLK170		04/23/2021	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5.0	ug/L	
VBLK170		04/23/2021	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5.0	ug/L	
VBLK170		04/23/2021	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5.0	ug/L	
VBLK170		04/23/2021	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5.0	ug/L	
VBLK170		04/23/2021	1.0	78-93-3	2-Butanone	10	U	U	10	ug/L	
VBLK170		04/23/2021	1.0	74-97-5	Bromochloromethane	5.0	U	U	5.0	ug/L	
VBLK170		04/23/2021	1.0	67-66-3	Chloroform	5.0	U	U	5.0	ug/L	
VBLK170		04/23/2021	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5.0	ug/L	
VBLK170		04/23/2021	1.0	110-82-7	Cyclohexane	5.0	U	U	5.0	ug/L	
VBLK170		04/23/2021	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5.0	ug/L	
VBLK170		04/23/2021	1.0	71-43-2	Benzene	5.0	U	U	5.0	ug/L	
VBLK170		04/23/2021	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5.0	ug/L	
VBLK170		04/23/2021	1.0	79-01-6	Trichloroethene	5.0	U	U	5.0	ug/L	
VBLK170		04/23/2021	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5.0	ug/L	
VBLK170		04/23/2021	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5.0	ug/L	
VBLK170		04/23/2021	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5.0	ug/L	
VBLK170		04/23/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5.0	ug/L	
VBLK170		04/23/2021	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/L	
VBLK170		04/23/2021	1.0	108-88-3	Toluene	5.0	U	U	5.0	ug/L	
VBLK170		04/23/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5.0	ug/L	
VBLK170		04/23/2021	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5.0	ug/L	
VBLK170		04/23/2021	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5.0	ug/L	
VBLK170		04/23/2021	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/L	
VBLK170		04/23/2021	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5.0	ug/L	
VBLK170		04/23/2021	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5.0	ug/L	
VBLK170		04/23/2021	1.0	108-90-7	Chlorobenzene	5.0	U	U	5.0	ug/L	
VBLK170		04/23/2021	1.0	100-41-4	Ethylbenzene	5.0	U	U	5.0	ug/L	
VBLK170		04/23/2021	1.0	95-47-6	o-Xylene	5.0	U	U	5.0	ug/L	
VBLK170		04/23/2021	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5.0	ug/L	
VBLK170		04/23/2021	1.0	100-42-5	Styrene	5.0	U	U	5.0	ug/L	
VBLK170		04/23/2021	1.0	75-25-2	Bromoform	5.0	U	U	5.0	ug/L	
VBLK170		04/23/2021	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5.0	ug/L	
VBLK170		04/23/2021	1.0	96-18-4	1,2,3-Trichloropropane	5.0	U	U	5.0	ug/L	
VBLK170		04/23/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5.0	ug/L	
VBLK170		04/23/2021	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5.0	ug/L	
VBLK170		04/23/2021	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5.0	ug/L	
VBLK170		04/23/2021	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5.0	ug/L	
VBLK170		04/23/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5.0	ug/L	
VBLK170		04/23/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	5.0	U	U	5.0	ug/L	
VBLK170		04/23/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	5.0	U	U	5.0	ug/L	
VBLK170		04/23/2021	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5.0	ug/L	
VBLK170		04/23/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5.0	ug/L	
VBLK170		04/23/2021	1.0	E966796	Total Alkanes		N	N		ug/L	
VBLK171		04/26/2021	1.0	75-71-8	Dichlorodifluoromethane	250	U	U	250	ug/kg	
VBLK171		04/26/2021	1.0	74-87-3	Chloromethane	250	U	U	250	ug/kg	
VBLK171		04/26/2021	1.0	75-01-4	Vinyl chloride	250	U	U	250	ug/kg	
VBLK171		04/26/2021	1.0	74-83-9	Bromomethane	250	U	U	250	ug/kg	

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
VBLK171		04/26/2021	1.0	75-00-3	Chloroethane	250	U	U	250	ug/kg	
VBLK171		04/26/2021	1.0	75-69-4	Trichlorofluoromethane	250	U	U	250	ug/kg	
VBLK171		04/26/2021	1.0	75-35-4	1,1-Dichloroethene	250	U	U	250	ug/kg	
VBLK171		04/26/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	250	U	U	250	ug/kg	
VBLK171		04/26/2021	1.0	67-64-1	Acetone	500	U	U	500	ug/kg	
VBLK171		04/26/2021	1.0	75-15-0	Carbon disulfide	250	U	U	250	ug/kg	
VBLK171		04/26/2021	1.0	79-20-9	Methyl Acetate	250	U	U	250	ug/kg	
VBLK171		04/26/2021	1.0	75-09-2	Methylene chloride	250	U	U	250	ug/kg	
VBLK171		04/26/2021	1.0	156-60-5	trans-1,2-Dichloroethene	250	U	U	250	ug/kg	
VBLK171		04/26/2021	1.0	1634-04-4	Methyl tert-butyl Ether	250	U	U	250	ug/kg	
VBLK171		04/26/2021	1.0	75-34-3	1,1-Dichloroethane	250	U	U	250	ug/kg	
VBLK171		04/26/2021	1.0	156-59-2	cis-1,2-Dichloroethene	250	U	U	250	ug/kg	
VBLK171		04/26/2021	1.0	78-93-3	2-Butanone	500	U	U	500	ug/kg	
VBLK171		04/26/2021	1.0	74-97-5	Bromochloromethane	250	U	U	250	ug/kg	
VBLK171		04/26/2021	1.0	67-66-3	Chloroform	250	U	U	250	ug/kg	
VBLK171		04/26/2021	1.0	71-55-6	1,1,1-Trichloroethane	250	U	U	250	ug/kg	
VBLK171		04/26/2021	1.0	110-82-7	Cyclohexane	250	U	U	250	ug/kg	
VBLK171		04/26/2021	1.0	56-23-5	Carbon tetrachloride	250	U	U	250	ug/kg	
VBLK171		04/26/2021	1.0	71-43-2	Benzene	250	U	U	250	ug/kg	
VBLK171		04/26/2021	1.0	107-06-2	1,2-Dichloroethane	250	U	U	250	ug/kg	
VBLK171		04/26/2021	1.0	79-01-6	Trichloroethene	250	U	U	250	ug/kg	
VBLK171		04/26/2021	1.0	108-87-2	Methylcyclohexane	250	U	U	250	ug/kg	
VBLK171		04/26/2021	1.0	78-87-5	1,2-Dichloropropane	250	U	U	250	ug/kg	
VBLK171		04/26/2021	1.0	75-27-4	Bromodichloromethane	250	U	U	250	ug/kg	
VBLK171		04/26/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	250	U	U	250	ug/kg	
VBLK171		04/26/2021	1.0	108-10-1	4-Methyl-2-pentanone	500	U	U	500	ug/kg	
VBLK171		04/26/2021	1.0	108-88-3	Toluene	250	U	U	250	ug/kg	
VBLK171		04/26/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	250	U	U	250	ug/kg	
VBLK171		04/26/2021	1.0	79-00-5	1,1,2-Trichloroethane	250	U	U	250	ug/kg	
VBLK171		04/26/2021	1.0	127-18-4	Tetrachloroethene	250	U	U	250	ug/kg	
VBLK171		04/26/2021	1.0	591-78-6	2-Hexanone	500	U	U	500	ug/kg	
VBLK171		04/26/2021	1.0	124-48-1	Dibromochloromethane	250	U	U	250	ug/kg	
VBLK171		04/26/2021	1.0	106-93-4	1,2-Dibromoethane	250	U	U	250	ug/kg	
VBLK171		04/26/2021	1.0	108-90-7	Chlorobenzene	250	U	U	250	ug/kg	
VBLK171		04/26/2021	1.0	100-41-4	Ethylbenzene	250	U	U	250	ug/kg	
VBLK171		04/26/2021	1.0	95-47-6	o-Xylene	250	U	U	250	ug/kg	
VBLK171		04/26/2021	1.0	179601-23-1	m,p-Xylene	250	U	U	250	ug/kg	
VBLK171		04/26/2021	1.0	100-42-5	Styrene	250	U	U	250	ug/kg	
VBLK171		04/26/2021	1.0	75-25-2	Bromoform	250	U	U	250	ug/kg	
VBLK171		04/26/2021	1.0	98-82-8	Isopropylbenzene	250	U	U	250	ug/kg	
VBLK171		04/26/2021	1.0	96-18-4	1,2,3-Trichloropropane	250	U	U	250	ug/kg	
VBLK171		04/26/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	250	U	U	250	ug/kg	
VBLK171		04/26/2021	1.0	541-73-1	1,3-Dichlorobenzene	250	U	U	250	ug/kg	
VBLK171		04/26/2021	1.0	106-46-7	1,4-Dichlorobenzene	250	U	U	250	ug/kg	
VBLK171		04/26/2021	1.0	95-50-1	1,2-Dichlorobenzene	250	U	U	250	ug/kg	
VBLK171		04/26/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	250	U	U	250	ug/kg	
VBLK171		04/26/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	250	U	U	250	ug/kg	
VBLK171		04/26/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	250	U	U	250	ug/kg	
VBLK171		04/26/2021	1.0	120-82-1	1,2,4-trichlorobenzene	250	U	U	250	ug/kg	
VBLK171		04/26/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	250	U	U	250	ug/kg	
VBLK171		04/26/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	
VBLK172		04/26/2021	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5.0	ug/L	
VBLK172		04/26/2021	1.0	74-87-3	Chloromethane	5.0	U	U	5.0	ug/L	
VBLK172		04/26/2021	1.0	75-01-4	Vinyl chloride	5.0	U	U	5.0	ug/L	
VBLK172		04/26/2021	1.0	74-83-9	Bromomethane	5.0	U	U	5.0	ug/L	
VBLK172		04/26/2021	1.0	75-00-3	Chloroethane	5.0	U	U	5.0	ug/L	
VBLK172		04/26/2021	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5.0	ug/L	
VBLK172		04/26/2021	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5.0	ug/L	
VBLK172		04/26/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5.0	ug/L	
VBLK172		04/26/2021	1.0	67-64-1	Acetone	10	U	U	10	ug/L	
VBLK172		04/26/2021	1.0	75-15-0	Carbon disulfide	5.0	U	U	5.0	ug/L	
VBLK172		04/26/2021	1.0	79-20-9	Methyl Acetate	5.0	U	U	5.0	ug/L	
VBLK172		04/26/2021	1.0	75-09-2	Methylene chloride	5.0	U	U	5.0	ug/L	
VBLK172		04/26/2021	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5.0	ug/L	
VBLK172		04/26/2021	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5.0	ug/L	
VBLK172		04/26/2021	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5.0	ug/L	
VBLK172		04/26/2021	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5.0	ug/L	
VBLK172		04/26/2021	1.0	78-93-3	2-Butanone	10	U	U	10	ug/L	
VBLK172		04/26/2021	1.0	74-97-5	Bromochloromethane	5.0	U	U	5.0	ug/L	
VBLK172		04/26/2021	1.0	67-66-3	Chloroform	5.0	U	U	5.0	ug/L	
VBLK172		04/26/2021	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5.0	ug/L	

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
VBLK172		04/26/2021	1.0	110-82-7	Cyclohexane	5.0	U	U	5.0	ug/L	
VBLK172		04/26/2021	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5.0	ug/L	
VBLK172		04/26/2021	1.0	71-43-2	Benzene	5.0	U	U	5.0	ug/L	
VBLK172		04/26/2021	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5.0	ug/L	
VBLK172		04/26/2021	1.0	79-01-6	Trichloroethene	5.0	U	U	5.0	ug/L	
VBLK172		04/26/2021	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5.0	ug/L	
VBLK172		04/26/2021	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5.0	ug/L	
VBLK172		04/26/2021	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5.0	ug/L	
VBLK172		04/26/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5.0	ug/L	
VBLK172		04/26/2021	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/L	
VBLK172		04/26/2021	1.0	108-88-3	Toluene	5.0	U	U	5.0	ug/L	
VBLK172		04/26/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5.0	ug/L	
VBLK172		04/26/2021	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5.0	ug/L	
VBLK172		04/26/2021	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5.0	ug/L	
VBLK172		04/26/2021	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/L	
VBLK172		04/26/2021	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5.0	ug/L	
VBLK172		04/26/2021	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5.0	ug/L	
VBLK172		04/26/2021	1.0	108-90-7	Chlorobenzene	5.0	U	U	5.0	ug/L	
VBLK172		04/26/2021	1.0	100-41-4	Ethylbenzene	5.0	U	U	5.0	ug/L	
VBLK172		04/26/2021	1.0	95-47-6	o-Xylene	5.0	U	U	5.0	ug/L	
VBLK172		04/26/2021	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5.0	ug/L	
VBLK172		04/26/2021	1.0	100-42-5	Styrene	5.0	U	U	5.0	ug/L	
VBLK172		04/26/2021	1.0	75-25-2	Bromoform	5.0	U	U	5.0	ug/L	
VBLK172		04/26/2021	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5.0	ug/L	
VBLK172		04/26/2021	1.0	96-18-4	1,2,3-Trichloropropane	5.0	U	U	5.0	ug/L	
VBLK172		04/26/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5.0	ug/L	
VBLK172		04/26/2021	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5.0	ug/L	
VBLK172		04/26/2021	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5.0	ug/L	
VBLK172		04/26/2021	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5.0	ug/L	
VBLK172		04/26/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5.0	ug/L	
VBLK172		04/26/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	5.0	U	U	5.0	ug/L	
VBLK172		04/26/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	5.0	U	U	5.0	ug/L	
VBLK172		04/26/2021	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5.0	ug/L	
VBLK172		04/26/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5.0	ug/L	
VBLK172		04/26/2021	1.0	E966796	Total Alkanes		N	N		ug/L	
VHBLK001		04/28/2021	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5.0	ug/kg	
VHBLK001		04/28/2021	1.0	74-87-3	Chloromethane	5.0	U	UJ	5.0	ug/kg	
VHBLK001		04/28/2021	1.0	75-01-4	Vinyl chloride	5.0	U	U	5.0	ug/kg	
VHBLK001		04/28/2021	1.0	74-83-9	Bromomethane	5.0	U	U	5.0	ug/kg	
VHBLK001		04/28/2021	1.0	75-00-3	Chloroethane	5.0	U	U	5.0	ug/kg	
VHBLK001		04/28/2021	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5.0	ug/kg	
VHBLK001		04/28/2021	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5.0	ug/kg	
VHBLK001		04/28/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5.0	ug/kg	
VHBLK001		04/28/2021	1.0	67-64-1	Acetone	10	U	U	10	ug/kg	
VHBLK001		04/28/2021	1.0	75-15-0	Carbon disulfide	5.0	U	U	5.0	ug/kg	
VHBLK001		04/28/2021	1.0	79-20-9	Methyl Acetate	5.0	U	U	5.0	ug/kg	
VHBLK001		04/28/2021	1.0	75-09-2	Methylene chloride	6.2	B		5.0	ug/kg	
VHBLK001		04/28/2021	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5.0	ug/kg	
VHBLK001		04/28/2021	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5.0	ug/kg	
VHBLK001		04/28/2021	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5.0	ug/kg	
VHBLK001		04/28/2021	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5.0	ug/kg	
VHBLK001		04/28/2021	1.0	78-93-3	2-Butanone	10	U	U	10	ug/kg	
VHBLK001		04/28/2021	1.0	74-97-5	Bromochloromethane	5.0	U	U	5.0	ug/kg	
VHBLK001		04/28/2021	1.0	67-66-3	Chloroform	5.0	U	U	5.0	ug/kg	
VHBLK001		04/28/2021	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5.0	ug/kg	
VHBLK001		04/28/2021	1.0	110-82-7	Cyclohexane	5.0	U	U	5.0	ug/kg	
VHBLK001		04/28/2021	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5.0	ug/kg	
VHBLK001		04/28/2021	1.0	71-43-2	Benzene	5.0	U	U	5.0	ug/kg	
VHBLK001		04/28/2021	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5.0	ug/kg	
VHBLK001		04/28/2021	1.0	79-01-6	Trichloroethene	5.0	U	U	5.0	ug/kg	
VHBLK001		04/28/2021	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5.0	ug/kg	
VHBLK001		04/28/2021	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5.0	ug/kg	
VHBLK001		04/28/2021	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5.0	ug/kg	
VHBLK001		04/28/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5.0	ug/kg	
VHBLK001		04/28/2021	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/kg	
VHBLK001		04/28/2021	1.0	108-88-3	Toluene	0.74	JB	J	5.0	ug/kg	
VHBLK001		04/28/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5.0	ug/kg	
VHBLK001		04/28/2021	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5.0	ug/kg	
VHBLK001		04/28/2021	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5.0	ug/kg	
VHBLK001		04/28/2021	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/kg	
VHBLK001		04/28/2021	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5.0	ug/kg	

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
VHBLK001		04/28/2021	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5.0	ug/kg	
VHBLK001		04/28/2021	1.0	108-90-7	Chlorobenzene	5.0	U	U	5.0	ug/kg	
VHBLK001		04/28/2021	1.0	100-41-4	Ethylbenzene	5.0	U	U	5.0	ug/kg	
VHBLK001		04/28/2021	1.0	95-47-6	o-Xylene	5.0	U	U	5.0	ug/kg	
VHBLK001		04/28/2021	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5.0	ug/kg	
VHBLK001		04/28/2021	1.0	100-42-5	Styrene	5.0	U	U	5.0	ug/kg	
VHBLK001		04/28/2021	1.0	75-25-2	Bromoform	5.0	U	U	5.0	ug/kg	
VHBLK001		04/28/2021	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5.0	ug/kg	
VHBLK001		04/28/2021	1.0	96-18-4	1,2,3-Trichloropropane	5.0	U	U	5.0	ug/kg	
VHBLK001		04/28/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5.0	ug/kg	
VHBLK001		04/28/2021	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VHBLK001		04/28/2021	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VHBLK001		04/28/2021	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VHBLK001		04/28/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5.0	ug/kg	
VHBLK001		04/28/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	5.0	U	U	5.0	ug/kg	
VHBLK001		04/28/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	5.0	U	U	5.0	ug/kg	
VHBLK001		04/28/2021	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5.0	ug/kg	
VHBLK001		04/28/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5.0	ug/kg	
VHBLK001		04/28/2021	1.0	000067-63-0	Isopropyl Alcohol	2.6	JN	JN		ug/kg	
VHBLK001		04/28/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	
VHBLK002		04/26/2021	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5.0	ug/L	
VHBLK002		04/26/2021	1.0	74-87-3	Chloromethane	5.0	U	U	5.0	ug/L	
VHBLK002		04/26/2021	1.0	75-01-4	Vinyl chloride	5.0	U	U	5.0	ug/L	
VHBLK002		04/26/2021	1.0	74-83-9	Bromomethane	5.0	U	U	5.0	ug/L	
VHBLK002		04/26/2021	1.0	75-00-3	Chloroethane	5.0	U	U	5.0	ug/L	
VHBLK002		04/26/2021	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5.0	ug/L	
VHBLK002		04/26/2021	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5.0	ug/L	
VHBLK002		04/26/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5.0	ug/L	
VHBLK002		04/26/2021	1.0	67-64-1	Acetone	10	U	U	10	ug/L	
VHBLK002		04/26/2021	1.0	75-15-0	Carbon disulfide	5.0	U	U	5.0	ug/L	
VHBLK002		04/26/2021	1.0	79-20-9	Methyl Acetate	5.0	U	U	5.0	ug/L	
VHBLK002		04/26/2021	1.0	75-09-2	Methylene chloride	5.0	U	U	5.0	ug/L	
VHBLK002		04/26/2021	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5.0	ug/L	
VHBLK002		04/26/2021	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5.0	ug/L	
VHBLK002		04/26/2021	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5.0	ug/L	
VHBLK002		04/26/2021	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5.0	ug/L	
VHBLK002		04/26/2021	1.0	78-93-3	2-Butanone	10	U	U	10	ug/L	
VHBLK002		04/26/2021	1.0	74-97-5	Bromochloromethane	5.0	U	U	5.0	ug/L	
VHBLK002		04/26/2021	1.0	67-66-3	Chloroform	5.0	U	U	5.0	ug/L	
VHBLK002		04/26/2021	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5.0	ug/L	
VHBLK002		04/26/2021	1.0	110-82-7	Cyclohexane	5.0	U	U	5.0	ug/L	
VHBLK002		04/26/2021	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5.0	ug/L	
VHBLK002		04/26/2021	1.0	71-43-2	Benzene	5.0	U	U	5.0	ug/L	
VHBLK002		04/26/2021	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5.0	ug/L	
VHBLK002		04/26/2021	1.0	79-01-6	Trichloroethene	5.0	U	U	5.0	ug/L	
VHBLK002		04/26/2021	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5.0	ug/L	
VHBLK002		04/26/2021	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5.0	ug/L	
VHBLK002		04/26/2021	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5.0	ug/L	
VHBLK002		04/26/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5.0	ug/L	
VHBLK002		04/26/2021	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/L	
VHBLK002		04/26/2021	1.0	108-88-3	Toluene	5.0	U	U	5.0	ug/L	
VHBLK002		04/26/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5.0	ug/L	
VHBLK002		04/26/2021	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5.0	ug/L	
VHBLK002		04/26/2021	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5.0	ug/L	
VHBLK002		04/26/2021	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/L	
VHBLK002		04/26/2021	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5.0	ug/L	
VHBLK002		04/26/2021	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5.0	ug/L	
VHBLK002		04/26/2021	1.0	108-90-7	Chlorobenzene	5.0	U	U	5.0	ug/L	
VHBLK002		04/26/2021	1.0	100-41-4	Ethylbenzene	5.0	U	U	5.0	ug/L	
VHBLK002		04/26/2021	1.0	95-47-6	o-Xylene	5.0	U	U	5.0	ug/L	
VHBLK002		04/26/2021	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5.0	ug/L	
VHBLK002		04/26/2021	1.0	100-42-5	Styrene	5.0	U	U	5.0	ug/L	
VHBLK002		04/26/2021	1.0	75-25-2	Bromoform	5.0	U	U	5.0	ug/L	
VHBLK002		04/26/2021	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5.0	ug/L	
VHBLK002		04/26/2021	1.0	96-18-4	1,2,3-Trichloropropane	5.0	U	U	5.0	ug/L	
VHBLK002		04/26/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5.0	ug/L	
VHBLK002		04/26/2021	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5.0	ug/L	
VHBLK002		04/26/2021	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5.0	ug/L	
VHBLK002		04/26/2021	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5.0	ug/L	
VHBLK002		04/26/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5.0	ug/L	
VHBLK002		04/26/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	5.0	U	U	5.0	ug/L	

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
VHBLK002		04/26/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	5.0	U	U	5.0	ug/L	
VHBLK002		04/26/2021	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5.0	ug/L	
VHBLK002		04/26/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5.0	ug/L	
VHBLK002		04/26/2021	1.0	E966796	Total Alkanes		N	N		ug/L	
BG547	DI Water	04/20/2021	1.0	123-91-1	1,4-Dioxane	2.0	U	U	2.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	100-52-7	Benzaldehyde	10	U	U	10	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	108-95-2	Phenol	2.5	J	J	10	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	10	U	U	10	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	95-57-8	2-Chlorophenol	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	95-48-7	2-Methylphenol	10	U	U	10	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	10	U	U	10	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	98-86-2	Acetophenone	10	U	U	10	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	106-44-5	4-Methylphenol	10	U	U	10	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	67-72-1	Hexachloroethane	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	98-95-3	Nitrobenzene	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	78-59-1	Isophorone	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	88-75-5	2-Nitrophenol	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	105-67-9	2,4-Dimethylphenol	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	120-83-2	2,4-Dichlorophenol	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	91-20-3	Naphthalene	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	106-47-8	4-Chloroaniline	10	U	U	10	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	87-68-3	Hexachlorobutadiene	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	105-60-2	Caprolactam	10	U	U	10	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	59-50-7	4-Chloro-3-methylphenol	3.2	J	J	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	90-12-0	1-Methylnaphthalene	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	91-57-6	2-Methylnaphthalene	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	77-47-4	Hexachlorocyclopentadiene	10	U	U	10	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	88-06-2	2,4,6-Trichlorophenol	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	95-95-4	2,4,5-Trichlorophenol	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	92-52-4	1,1-Biphenyl	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	91-58-7	2-Chloronaphthalene	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	88-74-4	2-Nitroaniline	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	131-11-3	Dimethylphthalate	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	606-20-2	2,6-Dinitrotoluene	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	208-96-8	Acenaphthylene	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	99-09-2	3-Nitroaniline	10	U	U	10	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	83-32-9	Acenaphthene	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	51-28-5	2,4-Dinitrophenol	10	U	U	10	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	100-02-7	4-Nitrophenol	10	U	U	10	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	132-64-9	Dibenzofuran	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	121-14-2	2,4-Dinitrotoluene	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	84-66-2	Diethylphthalate	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	86-73-7	Fluorene	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	100-01-6	4-Nitroaniline	10	U	U	10	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	10	U	U	10	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	86-30-6	N-Nitrosodiphenylamine	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	101-55-3	4-Bromophenyl-phenylether	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	118-74-1	Hexachlorobenzene	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	1912-24-9	Atrazine	10	U	U	10	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	87-86-5	Pentachlorophenol	10	U	U	10	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	85-01-8	Phenanthrene	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	120-12-7	Anthracene	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	86-74-8	Carbazole	10	U	U	10	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	84-74-2	Di-n-butylphthalate	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	206-44-0	Fluoranthene	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	129-00-0	Pyrene	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	85-68-7	Butylbenzylphthalate	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	91-94-1	3,3-Dichlorobenzidine	10	U	U	10	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	56-55-3	Benzo(a)anthracene	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	218-01-9	Chrysene	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	117-84-0	Di-n-octyl phthalate	10	U	U	10	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	205-99-2	Benzo(b)fluoranthene	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	207-08-9	Benzo(k)fluoranthene	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	50-32-8	Benzo(a)pyrene	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	5.0	U	U	5.0	ug/L	6100-RIN03

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG547	DI Water	04/20/2021	1.0	191-24-2	Benzo(g,h,i)perylene	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	5.0	U	U	5.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	E966796	Total Alkanes	5.4	N	N		ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	082304-66-3	7,9-Di-tert-butyl-1-oxaspiro(4,5)d	2.6	JN	JN		ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	074381-40-1	Propanoic acid, 2-methyl-, 1-(1,1-	2.4	JN	JN		ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	000104-76-7	1-Hexanol, 2-ethyl-	2.2	JN	JN		ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	000097-85-8	Propanoic acid, 2-methyl-, 2-methy	4.2	JN	JN		ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	000090-05-1	Phenol, 2-methoxy-	4.9	JN	JN		ug/L	6100-RIN03
BG501	Sediment	04/20/2021	1.0	123-91-1	1,4-Dioxane	120	U	U	120	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	100-52-7	Benzaldehyde	600	U	U	600	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	108-95-2	Phenol	600	J	U	600	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	600	U	U	600	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	95-57-8	2-Chlorophenol	310	U	U	310	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	95-48-7	2-Methylphenol	600	U	U	600	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	600	U	U	600	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	98-86-2	Acetophenone	600	U	U	600	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	106-44-5	4-Methylphenol	600	U	U	600	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	310	U	U	310	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	67-72-1	Hexachloroethane	310	U	U	310	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	98-95-3	Nitrobenzene	310	U	U	310	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	78-59-1	Isophorone	310	U	U	310	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	88-75-5	2-Nitrophenol	310	U	U	310	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	105-67-9	2,4-Dimethylphenol	310	U	U	310	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	310	U	U	310	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	120-83-2	2,4-Dichlorophenol	310	U	U	310	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	91-20-3	Naphthalene	310	U	U	310	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	106-47-8	4-Chloroaniline	600	U	U	600	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	87-68-3	Hexachlorobutadiene	310	U	U	310	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	105-60-2	Caprolactam	600	U	U	600	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	59-50-7	4-Chloro-3-methylphenol	310	U	U	310	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	90-12-0	1-Methylnaphthalene	310	U	U	310	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	91-57-6	2-Methylnaphthalene	310	U	U	310	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	77-47-4	Hexachlorocyclopentadiene	600	U	U	600	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	88-06-2	2,4,6-Trichlorophenol	310	U	U	310	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	95-95-4	2,4,5-Trichlorophenol	310	U	U	310	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	92-52-4	1,1-Biphenyl	310	U	U	310	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	91-58-7	2-Chloronaphthalene	310	U	U	310	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	88-74-4	2-Nitroaniline	310	U	U	310	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	131-11-3	Dimethylphthalate	590			310	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	606-20-2	2,6-Dinitrotoluene	310	U	U	310	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	208-96-8	Acenaphthylene	310	U	U	310	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	99-09-2	3-Nitroaniline	600	U	U	600	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	83-32-9	Acenaphthene	310	U	U	310	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	51-28-5	2,4-Dinitrophenol	600	U	U	600	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	100-02-7	4-Nitrophenol	600	U	U	600	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	132-64-9	Dibenzofuran	310	U	U	310	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	121-14-2	2,4-Dinitrotoluene	310	U	U	310	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	84-66-2	Diethylphthalate	310	U	U	310	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	86-73-7	Fluorene	310	U	U	310	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	310	U	U	310	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	100-01-6	4-Nitroaniline	600	U	U	600	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	600	U	U	600	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	86-30-6	N-Nitrosodiphenylamine	310	U	U	310	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	310	U	U	310	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	101-55-3	4-Bromophenyl-phenylether	310	U	U	310	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	118-74-1	Hexachlorobenzene	310	U	U	310	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	1912-24-9	Atrazine	600	U	U	600	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	87-86-5	Pentachlorophenol	600	U	U	600	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	85-01-8	Phenanthrene	310	U	U	310	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	120-12-7	Anthracene	310	U	U	310	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	86-74-8	Carbazole	600	U	U	600	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	84-74-2	Di-n-butylphthalate	310	U	U	310	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	206-44-0	Fluoranthene	310	U	U	310	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	129-00-0	Pyrene	310	U	U	310	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	85-68-7	Butylbenzylphthalate	310	U	U	310	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	91-94-1	3,3-Dichlorobenzidine	600	U	U	600	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	56-55-3	Benzo(a)anthracene	310	U	U	310	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	218-01-9	Chrysene	310	U	U	310	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	310	U	U	310	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	117-84-0	Di-n-octyl phthalate	600	U	U	600	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	205-99-2	Benzo(b)fluoranthene	310	U	U	310	ug/kg	6100-SED22A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG501	Sediment	04/20/2021	1.0	207-08-9	Benzo(k)fluoranthene	310	U	U	310	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	50-32-8	Benzo(a)pyrene	310	U	U	310	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	310	U	U	310	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	310	U	U	310	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	191-24-2	Benzo(g,h,i)perylene	310	U	U	310	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	310	U	U	310	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	E966796	Total Alkanes	450	N	N		ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	000126-86-3	2,4,7,9-Tetramethyl-5-decyn-4,7-di	580	JN	JN		ug/kg	6100-SED22A
BG502	Sediment	04/20/2021	1.0	123-91-1	1,4-Dioxane	120	U	U	120	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	100-52-7	Benzaldehyde	600	U	U	600	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	108-95-2	Phenol	600	J	U	600	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	600	U	U	600	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	95-57-8	2-Chlorophenol	310	U	U	310	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	95-48-7	2-Methylphenol	600	U	U	600	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	600	U	U	600	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	98-86-2	Acetophenone	600	U	U	600	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	106-44-5	4-Methylphenol	600	U	U	600	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	310	U	U	310	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	67-72-1	Hexachloroethane	310	U	U	310	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	98-95-3	Nitrobenzene	310	U	U	310	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	78-59-1	Isophorone	310	U	U	310	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	88-75-5	2-Nitrophenol	310	U	U	310	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	105-67-9	2,4-Dimethylphenol	310	U	U	310	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	310	U	U	310	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	120-83-2	2,4-Dichlorophenol	310	U	U	310	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	91-20-3	Naphthalene	310	U	U	310	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	106-47-8	4-Chloroaniline	600	U	U	600	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	87-68-3	Hexachlorobutadiene	310	U	U	310	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	105-60-2	Caprolactam	600	U	U	600	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	59-50-7	4-Chloro-3-methylphenol	310	U	U	310	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	90-12-0	1-Methylnaphthalene	310	U	U	310	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	91-57-6	2-Methylnaphthalene	310	U	U	310	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	77-47-4	Hexachlorocyclopentadiene	600	U	U	600	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	88-06-2	2,4,6-Trichlorophenol	310	U	U	310	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	95-95-4	2,4,5-Trichlorophenol	310	U	U	310	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	92-52-4	1,1-Biphenyl	310	U	U	310	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	91-58-7	2-Chloronaphthalene	310	U	U	310	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	88-74-4	2-Nitroaniline	310	U	U	310	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	131-11-3	Dimethylphthalate	340			310	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	606-20-2	2,6-Dinitrotoluene	310	U	U	310	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	208-96-8	Acenaphthylene	310	U	U	310	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	99-09-2	3-Nitroaniline	600	U	U	600	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	83-32-9	Acenaphthene	310	U	U	310	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	51-28-5	2,4-Dinitrophenol	600	U	U	600	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	100-02-7	4-Nitrophenol	600	U	U	600	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	132-64-9	Dibenzofuran	310	U	U	310	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	121-14-2	2,4-Dinitrotoluene	310	U	U	310	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	84-66-2	Diethylphthalate	310	U	U	310	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	86-73-7	Fluorene	310	U	U	310	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	310	U	U	310	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	100-01-6	4-Nitroaniline	600	U	U	600	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	600	U	U	600	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	86-30-6	N-Nitrosodiphenylamine	310	U	U	310	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	310	U	U	310	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	101-55-3	4-Bromophenyl-phenylether	310	U	U	310	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	118-74-1	Hexachlorobenzene	310	U	U	310	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	1912-24-9	Atrazine	600	U	U	600	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	87-86-5	Pentachlorophenol	600	U	U	600	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	85-01-8	Phenanthrene	310	U	U	310	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	120-12-7	Anthracene	310	U	U	310	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	86-74-8	Carbazole	600	U	U	600	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	84-74-2	Di-n-butylphthalate	310	U	U	310	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	206-44-0	Fluoranthene	310	U	U	310	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	129-00-0	Pyrene	310	U	U	310	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	85-68-7	Butylbenzylphthalate	310	U	U	310	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	91-94-1	3,3-Dichlorobenzidine	600	U	U	600	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	56-55-3	Benzo(a)anthracene	310	U	U	310	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	218-01-9	Chrysene	310	U	U	310	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	310	U	U	310	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	117-84-0	Di-n-octyl phthalate	600	U	U	600	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	205-99-2	Benzo(b)fluoranthene	310	U	U	310	ug/kg	6100-SED22B

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG502	Sediment	04/20/2021	1.0	207-08-9	Benzo(k)fluoranthene	310	U	U	310	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	50-32-8	Benzo(a)pyrene	310	U	U	310	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	310	U	U	310	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	310	U	U	310	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	191-24-2	Benzo(g,h,i)perylene	310	U	U	310	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	310	U	U	310	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	000126-86-3	2,4,7,9-Tetramethyl-5-decyn-4,7-di	360	JN	JN		ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	000638-66-4	Octadecanal	170	JN	JN		ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	006222-03-3	Trifluoroacetoxy hexadecane	310	JN	JN		ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	E966796	Total Alkanes	510	N	N		ug/kg	6100-SED22B
BG503	Sediment	04/20/2021	1.0	123-91-1	1,4-Dioxane	130	U	U	130	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	100-52-7	Benzaldehyde	640	U	U	640	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	108-95-2	Phenol	640	J	U	640	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	640	U	U	640	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	95-57-8	2-Chlorophenol	330	U	U	330	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	95-48-7	2-Methylphenol	640	U	U	640	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	640	U	U	640	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	98-86-2	Acetophenone	640	U	U	640	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	106-44-5	4-Methylphenol	640	U	U	640	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	330	U	U	330	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	67-72-1	Hexachloroethane	330	U	U	330	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	98-95-3	Nitrobenzene	330	U	U	330	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	78-59-1	Isophorone	330	U	U	330	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	88-75-5	2-Nitrophenol	330	U	U	330	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	105-67-9	2,4-Dimethylphenol	330	U	U	330	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	330	U	U	330	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	120-83-2	2,4-Dichlorophenol	330	U	U	330	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	91-20-3	Naphthalene	330	U	U	330	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	106-47-8	4-Chloroaniline	640	U	U	640	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	87-68-3	Hexachlorobutadiene	330	U	U	330	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	105-60-2	Caprolactam	640	U	U	640	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	59-50-7	4-Chloro-3-methylphenol	330	U	U	330	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	90-12-0	1-Methylnaphthalene	330	U	U	330	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	91-57-6	2-Methylnaphthalene	330	U	U	330	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	77-47-4	Hexachlorocyclopentadiene	640	U	U	640	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	88-06-2	2,4,6-Trichlorophenol	330	U	U	330	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	95-95-4	2,4,5-Trichlorophenol	330	U	U	330	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	92-52-4	1,1-Biphenyl	330	U	U	330	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	91-58-7	2-Chloronaphthalene	330	U	U	330	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	88-74-4	2-Nitroaniline	330	U	U	330	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	131-11-3	Dimethylphthalate	430			330	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	606-20-2	2,6-Dinitrotoluene	330	U	U	330	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	208-96-8	Acenaphthylene	330	U	U	330	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	99-09-2	3-Nitroaniline	640	U	U	640	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	83-32-9	Acenaphthene	330	U	U	330	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	51-28-5	2,4-Dinitrophenol	640	U	U	640	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	100-02-7	4-Nitrophenol	640	U	U	640	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	132-64-9	Dibenzofuran	330	U	U	330	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	121-14-2	2,4-Dinitrotoluene	330	U	U	330	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	84-66-2	Diethylphthalate	330	U	U	330	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	86-73-7	Fluorene	330	U	U	330	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	330	U	U	330	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	100-01-6	4-Nitroaniline	640	U	U	640	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	640	U	U	640	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	86-30-6	N-Nitrosodiphenylamine	330	U	U	330	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	330	U	U	330	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	101-55-3	4-Bromophenyl-phenylether	330	U	U	330	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	118-74-1	Hexachlorobenzene	330	U	U	330	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	1912-24-9	Atrazine	640	U	U	640	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	87-86-5	Pentachlorophenol	640	U	U	640	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	85-01-8	Phenanthrene	330	U	U	330	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	120-12-7	Anthracene	330	U	U	330	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	86-74-8	Carbazole	640	U	U	640	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	84-74-2	Di-n-butylphthalate	330	U	U	330	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	206-44-0	Fluoranthene	330	U	U	330	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	129-00-0	Pyrene	330	U	U	330	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	85-68-7	Butylbenzylphthalate	330	U	U	330	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	91-94-1	3,3-Dichlorobenzidine	640	U	U	640	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	56-55-3	Benzo(a)anthracene	330	U	U	330	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	218-01-9	Chrysene	330	U	U	330	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	330	U	U	330	ug/kg	6100-SED22C

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG503	Sediment	04/20/2021	1.0	117-84-0	Di-n-octyl phthalate	640	U	U	640	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	205-99-2	Benzo(b)fluoranthene	330	U	U	330	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	207-08-9	Benzo(k)fluoranthene	330	U	U	330	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	50-32-8	Benzo(a)pyrene	330	U	U	330	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	330	U	U	330	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	330	U	U	330	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	191-24-2	Benzo(g,h,i)perylene	330	U	U	330	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	330	U	U	330	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	000126-86-3	2,4,7,9-Tetramethyl-5-decyn-4,7-di	660	JN	JN		ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	036653-82-4	1-Hexadecanol	330	JN	JN		ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	E966796	Total Alkanes	480	N	N		ug/kg	6100-SED22C
BG504	Sediment	04/20/2021	1.0	123-91-1	1,4-Dioxane	86	U	U	86	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	100-52-7	Benzaldehyde	420	U	U	420	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	108-95-2	Phenol	420	J	U	420	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	420	U	U	420	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	95-57-8	2-Chlorophenol	220	U	U	220	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	95-48-7	2-Methylphenol	420	U	U	420	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	420	U	U	420	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	98-86-2	Acetophenone	420	U	U	420	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	106-44-5	4-Methylphenol	420	U	U	420	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	220	U	U	220	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	67-72-1	Hexachloroethane	220	U	U	220	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	98-95-3	Nitrobenzene	220	U	U	220	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	78-59-1	Isophorone	220	U	U	220	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	88-75-5	2-Nitrophenol	220	U	U	220	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	105-67-9	2,4-Dimethylphenol	220	U	U	220	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	220	U	U	220	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	120-83-2	2,4-Dichlorophenol	220	U	U	220	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	91-20-3	Naphthalene	220	U	U	220	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	106-47-8	4-Chloroaniline	420	U	U	420	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	87-68-3	Hexachlorobutadiene	220	U	U	220	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	105-60-2	Caprolactam	420	U	U	420	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	59-50-7	4-Chloro-3-methylphenol	220	U	U	220	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	90-12-0	1-Methylnaphthalene	220	U	U	220	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	91-57-6	2-Methylnaphthalene	220	U	U	220	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	77-47-4	Hexachlorocyclopentadiene	420	U	U	420	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	88-06-2	2,4,6-Trichlorophenol	220	U	U	220	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	95-95-4	2,4,5-Trichlorophenol	220	U	U	220	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	92-52-4	1,1-Biphenyl	220	U	U	220	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	91-58-7	2-Chloronaphthalene	220	U	U	220	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	88-74-4	2-Nitroaniline	220	U	U	220	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	131-11-3	Dimethylphthalate	220			220	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	606-20-2	2,6-Dinitrotoluene	220	U	U	220	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	208-96-8	Acenaphthylene	220	U	U	220	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	99-09-2	3-Nitroaniline	420	U	U	420	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	83-32-9	Acenaphthene	220	U	U	220	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	51-28-5	2,4-Dinitrophenol	420	U	U	420	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	100-02-7	4-Nitrophenol	420	U	U	420	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	132-64-9	Dibenzofuran	220	U	U	220	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	121-14-2	2,4-Dinitrotoluene	220	U	U	220	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	84-66-2	Diethylphthalate	220	U	U	220	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	86-73-7	Fluorene	220	U	U	220	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	220	U	U	220	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	100-01-6	4-Nitroaniline	420	U	U	420	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	420	U	U	420	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	86-30-6	N-Nitrosodiphenylamine	220	U	U	220	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	220	U	U	220	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	101-55-3	4-Bromophenyl-phenylether	220	U	U	220	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	118-74-1	Hexachlorobenzene	220	U	U	220	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	1912-24-9	Atrazine	420	U	U	420	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	87-86-5	Pentachlorophenol	420	U	U	420	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	85-01-8	Phenanthrene	220	U	U	220	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	120-12-7	Anthracene	220	U	U	220	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	86-74-8	Carbazole	420	U	U	420	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	84-74-2	Di-n-butylphthalate	220	U	U	220	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	206-44-0	Fluoranthene	220	U	U	220	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	129-00-0	Pyrene	220	U	U	220	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	85-68-7	Butylbenzylphthalate	220	U	U	220	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	91-94-1	3,3-Dichlorobenzidine	420	U	U	420	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	56-55-3	Benzo(a)anthracene	220	U	U	220	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	218-01-9	Chrysene	220	U	U	220	ug/kg	6100-SED23A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG504	Sediment	04/20/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	220	U	U	220	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	117-84-0	Di-n-octyl phthalate	420	U	U	420	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	205-99-2	Benzo(b)fluoranthene	220	U	U	220	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	207-08-9	Benzo(k)fluoranthene	220	U	U	220	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	50-32-8	Benzo(a)pyrene	220	U	U	220	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	220	U	U	220	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	220	U	U	220	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	191-24-2	Benzo(g,h,i)perylene	220	U	U	220	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	220	U	U	220	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	E966796	Total Alkanes	270	N	N		ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	000057-10-3	n-Hexadecanoic acid	110	JN	JN		ug/kg	6100-SED23A
BG505	Sediment	04/20/2021	1.0	123-91-1	1,4-Dioxane	100	U	U	100	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	100-52-7	Benzaldehyde	500	U	U	500	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	108-95-2	Phenol	500	J	U	500	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	500	U	U	500	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	95-57-8	2-Chlorophenol	260	U	U	260	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	95-48-7	2-Methylphenol	500	U	U	500	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	500	U	U	500	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	98-86-2	Acetophenone	500	U	U	500	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	106-44-5	4-Methylphenol	500	U	U	500	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	260	U	U	260	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	67-72-1	Hexachloroethane	260	U	U	260	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	98-95-3	Nitrobenzene	260	U	U	260	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	78-59-1	Isophorone	260	U	U	260	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	88-75-5	2-Nitrophenol	260	U	U	260	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	105-67-9	2,4-Dimethylphenol	260	U	U	260	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	260	U	U	260	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	120-83-2	2,4-Dichlorophenol	260	U	U	260	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	91-20-3	Naphthalene	260	U	U	260	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	106-47-8	4-Chloroaniline	500	U	U	500	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	87-68-3	Hexachlorobutadiene	260	U	U	260	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	105-60-2	Caprolactam	500	U	U	500	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	59-50-7	4-Chloro-3-methylphenol	260	U	U	260	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	90-12-0	1-Methylnaphthalene	260	U	U	260	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	91-57-6	2-Methylnaphthalene	260	U	U	260	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	77-47-4	Hexachlorocyclopentadiene	500	U	U	500	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	88-06-2	2,4,6-Trichlorophenol	260	U	U	260	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	95-95-4	2,4,5-Trichlorophenol	260	U	U	260	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	92-52-4	1,1-Biphenyl	260	U	U	260	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	91-58-7	2-Chloronaphthalene	260	U	U	260	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	88-74-4	2-Nitroaniline	260	U	U	260	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	131-11-3	Dimethylphthalate	240	J	J	260	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	606-20-2	2,6-Dinitrotoluene	260	U	U	260	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	208-96-8	Acenaphthylene	260	U	U	260	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	99-09-2	3-Nitroaniline	500	U	U	500	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	83-32-9	Acenaphthene	260	U	U	260	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	51-28-5	2,4-Dinitrophenol	500	U	U	500	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	100-02-7	4-Nitrophenol	500	U	U	500	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	132-64-9	Dibenzofuran	260	U	U	260	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	121-14-2	2,4-Dinitrotoluene	260	U	U	260	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	84-66-2	Diethylphthalate	260	U	U	260	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	86-73-7	Fluorene	260	U	U	260	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	260	U	U	260	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	100-01-6	4-Nitroaniline	500	U	U	500	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	500	U	U	500	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	86-30-6	N-Nitrosodiphenylamine	260	U	U	260	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	260	U	U	260	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	101-55-3	4-Bromophenyl-phenylether	260	U	U	260	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	118-74-1	Hexachlorobenzene	260	U	U	260	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	1912-24-9	Atrazine	500	U	U	500	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	87-86-5	Pentachlorophenol	500	U	U	500	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	85-01-8	Phenanthrene	260	U	U	260	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	120-12-7	Anthracene	260	U	U	260	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	86-74-8	Carbazole	500	U	U	500	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	84-74-2	Di-n-butylphthalate	260	U	U	260	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	206-44-0	Fluoranthene	260	U	U	260	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	129-00-0	Pyrene	260	U	U	260	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	85-68-7	Butylbenzylphthalate	260	U	U	260	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	91-94-1	3,3-Dichlorobenzidine	500	U	U	500	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	56-55-3	Benzo(a)anthracene	260	U	U	260	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	218-01-9	Chrysene	260	U	U	260	ug/kg	6100-SED23B

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG505	Sediment	04/20/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	260	U	U	260	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	117-84-0	Di-n-octyl phthalate	500	U	U	500	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	205-99-2	Benzo(b)fluoranthene	260	U	U	260	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	207-08-9	Benzo(k)fluoranthene	260	U	U	260	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	50-32-8	Benzo(a)pyrene	260	U	U	260	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	260	U	U	260	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	260	U	U	260	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	191-24-2	Benzo(g,h,i)perylene	260	U	U	260	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	260	U	U	260	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	000057-10-3	n-Hexadecanoic acid	180	JN	JN		ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	E966796	Total Alkanes	390	N	N		ug/kg	6100-SED23B
BG506	Sediment	04/20/2021	1.0	123-91-1	1,4-Dioxane	110	U	U	110	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	100-52-7	Benzaldehyde	550	U	U	550	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	108-95-2	Phenol	550	J	U	550	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	550	U	U	550	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	95-57-8	2-Chlorophenol	280	U	U	280	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	95-48-7	2-Methylphenol	550	U	U	550	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	550	U	U	550	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	98-86-2	Acetophenone	550	U	U	550	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	106-44-5	4-Methylphenol	550	U	U	550	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	280	U	U	280	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	67-72-1	Hexachloroethane	280	U	U	280	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	98-95-3	Nitrobenzene	280	U	U	280	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	78-59-1	Isophorone	280	U	U	280	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	88-75-5	2-Nitrophenol	280	U	U	280	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	105-67-9	2,4-Dimethylphenol	280	U	U	280	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	280	U	U	280	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	120-83-2	2,4-Dichlorophenol	280	U	U	280	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	91-20-3	Naphthalene	280	U	U	280	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	106-47-8	4-Chloroaniline	550	U	U	550	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	87-68-3	Hexachlorobutadiene	280	U	U	280	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	105-60-2	Caprolactam	550	U	U	550	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	59-50-7	4-Chloro-3-methylphenol	280	U	U	280	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	90-12-0	1-Methylnaphthalene	280	U	U	280	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	91-57-6	2-Methylnaphthalene	280	U	U	280	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	77-47-4	Hexachlorocyclopentadiene	550	U	U	550	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	88-06-2	2,4,6-Trichlorophenol	280	U	U	280	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	95-95-4	2,4,5-Trichlorophenol	280	U	U	280	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	92-52-4	1,1-Biphenyl	280	U	U	280	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	91-58-7	2-Chloronaphthalene	280	U	U	280	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	88-74-4	2-Nitroaniline	280	U	U	280	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	131-11-3	Dimethylphthalate	250	J	J	280	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	606-20-2	2,6-Dinitrotoluene	280	U	U	280	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	208-96-8	Acenaphthylene	280	U	U	280	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	99-09-2	3-Nitroaniline	550	U	U	550	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	83-32-9	Acenaphthene	280	U	U	280	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	51-28-5	2,4-Dinitrophenol	550	U	U	550	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	100-02-7	4-Nitrophenol	550	U	U	550	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	132-64-9	Dibenzofuran	280	U	U	280	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	121-14-2	2,4-Dinitrotoluene	280	U	U	280	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	84-66-2	Diethylphthalate	280	U	U	280	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	86-73-7	Fluorene	280	U	U	280	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	280	U	U	280	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	100-01-6	4-Nitroaniline	550	U	U	550	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	550	U	U	550	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	86-30-6	N-Nitrosodiphenylamine	280	U	U	280	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	280	U	U	280	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	101-55-3	4-Bromophenyl-phenylether	280	U	U	280	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	118-74-1	Hexachlorobenzene	280	U	U	280	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	1912-24-9	Atrazine	550	U	U	550	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	87-86-5	Pentachlorophenol	550	U	U	550	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	85-01-8	Phenanthrene	280	U	U	280	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	120-12-7	Anthracene	280	U	U	280	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	86-74-8	Carbazole	550	U	U	550	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	84-74-2	Di-n-butylphthalate	280	U	U	280	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	206-44-0	Fluoranthene	280	U	U	280	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	129-00-0	Pyrene	280	U	U	280	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	85-68-7	Butylbenzylphthalate	280	U	U	280	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	91-94-1	3,3-Dichlorobenzidine	550	U	U	550	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	56-55-3	Benzo(a)anthracene	280	U	U	280	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	218-01-9	Chrysene	280	U	U	280	ug/kg	6100-SED23C

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG506	Sediment	04/20/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	280	U	U	280	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	117-84-0	Di-n-octyl phthalate	550	U	U	550	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	205-99-2	Benzo(b)fluoranthene	280	U	U	280	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	207-08-9	Benzo(k)fluoranthene	280	U	U	280	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	50-32-8	Benzo(a)pyrene	280	U	U	280	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	280	U	U	280	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	280	U	U	280	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	191-24-2	Benzo(g,h,i)perylene	280	U	U	280	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	280	U	U	280	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	E966796	Total Alkanes	400	N	N		ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	000057-10-3	n-Hexadecanoic acid	130	JN	JN		ug/kg	6100-SED23C
BG507	Sediment	04/20/2021	1.0	123-91-1	1,4-Dioxane	100	U	U	100	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	100-52-7	Benzaldehyde	510	U	U	510	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	108-95-2	Phenol	510	J	U	510	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	510	U	U	510	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	95-57-8	2-Chlorophenol	260	U	U	260	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	95-48-7	2-Methylphenol	510	U	U	510	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	510	U	U	510	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	98-86-2	Acetophenone	510	U	U	510	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	106-44-5	4-Methylphenol	510	U	U	510	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	260	U	U	260	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	67-72-1	Hexachloroethane	260	U	U	260	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	98-95-3	Nitrobenzene	260	U	U	260	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	78-59-1	Isophorone	260	U	U	260	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	88-75-5	2-Nitrophenol	260	U	U	260	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	105-67-9	2,4-Dimethylphenol	260	U	U	260	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	260	U	U	260	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	120-83-2	2,4-Dichlorophenol	260	U	U	260	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	91-20-3	Naphthalene	260	U	U	260	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	106-47-8	4-Chloroaniline	510	U	U	510	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	87-68-3	Hexachlorobutadiene	260	U	U	260	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	105-60-2	Caprolactam	510	U	U	510	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	59-50-7	4-Chloro-3-methylphenol	260	U	U	260	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	90-12-0	1-Methylnaphthalene	260	U	U	260	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	91-57-6	2-Methylnaphthalene	260	U	U	260	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	77-47-4	Hexachlorocyclopentadiene	510	U	U	510	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	88-06-2	2,4,6-Trichlorophenol	260	U	U	260	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	95-95-4	2,4,5-Trichlorophenol	260	U	U	260	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	92-52-4	1,1-Biphenyl	260	U	U	260	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	91-58-7	2-Chloronaphthalene	260	U	U	260	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	88-74-4	2-Nitroaniline	260	U	U	260	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	131-11-3	Dimethylphthalate	280			260	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	606-20-2	2,6-Dinitrotoluene	260	U	U	260	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	208-96-8	Acenaphthylene	260	U	U	260	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	99-09-2	3-Nitroaniline	510	U	U	510	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	83-32-9	Acenaphthene	260	U	U	260	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	51-28-5	2,4-Dinitrophenol	510	U	U	510	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	100-02-7	4-Nitrophenol	510	U	U	510	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	132-64-9	Dibenzofuran	260	U	U	260	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	121-14-2	2,4-Dinitrotoluene	260	U	U	260	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	84-66-2	Diethylphthalate	260	U	U	260	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	86-73-7	Fluorene	260	U	U	260	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	260	U	U	260	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	100-01-6	4-Nitroaniline	510	U	U	510	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	510	U	U	510	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	86-30-6	N-Nitrosodiphenylamine	260	U	U	260	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	260	U	U	260	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	101-55-3	4-Bromophenyl-phenylether	260	U	U	260	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	118-74-1	Hexachlorobenzene	260	U	U	260	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	1912-24-9	Atrazine	510	U	U	510	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	87-86-5	Pentachlorophenol	510	U	U	510	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	85-01-8	Phenanthrene	260	U	U	260	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	120-12-7	Anthracene	260	U	U	260	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	86-74-8	Carbazole	510	U	U	510	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	84-74-2	Di-n-butylphthalate	260	U	U	260	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	206-44-0	Fluoranthene	260	U	U	260	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	129-00-0	Pyrene	260	U	U	260	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	85-68-7	Butylbenzylphthalate	260	U	U	260	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	91-94-1	3,3-Dichlorobenzidine	510	U	U	510	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	56-55-3	Benzo(a)anthracene	260	U	U	260	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	218-01-9	Chrysene	260	U	U	260	ug/kg	6100-SED24A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG507	Sediment	04/20/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	260	U	U	260	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	117-84-0	Di-n-octyl phthalate	510	U	U	510	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	205-99-2	Benzo(b)fluoranthene	260	U	U	260	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	207-08-9	Benzo(k)fluoranthene	260	U	U	260	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	50-32-8	Benzo(a)pyrene	260	U	U	260	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	260	U	U	260	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	260	U	U	260	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	191-24-2	Benzo(g,h,i)perylene	260	U	U	260	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	260	U	U	260	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	000057-10-3	n-Hexadecanoic acid	120	JN	JN		ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	018992-03-5	Bromoacetic acid, octadecyl ester	280	JN	JN		ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	E966796	Total Alkanes	130	N	N		ug/kg	6100-SED24A
BG508	Sediment	04/20/2021	1.0	123-91-1	1,4-Dioxane	110	U	U	110	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	100-52-7	Benzaldehyde	560	U	U	560	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	108-95-2	Phenol	560	J	U	560	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	560	U	U	560	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	95-57-8	2-Chlorophenol	290	U	U	290	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	95-48-7	2-Methylphenol	560	U	U	560	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	560	U	U	560	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	98-86-2	Acetophenone	560	U	U	560	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	106-44-5	4-Methylphenol	560	U	U	560	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	290	U	U	290	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	67-72-1	Hexachloroethane	290	U	U	290	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	98-95-3	Nitrobenzene	290	U	U	290	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	78-59-1	Isophorone	290	U	U	290	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	88-75-5	2-Nitrophenol	290	U	U	290	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	105-67-9	2,4-Dimethylphenol	290	U	U	290	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	290	U	U	290	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	120-83-2	2,4-Dichlorophenol	290	U	U	290	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	91-20-3	Naphthalene	290	U	U	290	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	106-47-8	4-Chloroaniline	560	U	U	560	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	87-68-3	Hexachlorobutadiene	290	U	U	290	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	105-60-2	Caprolactam	560	U	U	560	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	59-50-7	4-Chloro-3-methylphenol	290	U	U	290	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	90-12-0	1-Methylnaphthalene	290	U	U	290	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	91-57-6	2-Methylnaphthalene	290	U	U	290	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	77-47-4	Hexachlorocyclopentadiene	560	U	U	560	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	88-06-2	2,4,6-Trichlorophenol	290	U	U	290	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	95-95-4	2,4,5-Trichlorophenol	290	U	U	290	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	92-52-4	1,1-Biphenyl	290	U	U	290	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	91-58-7	2-Chloronaphthalene	290	U	U	290	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	88-74-4	2-Nitroaniline	290	U	U	290	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	131-11-3	Dimethylphthalate	280	J	J	290	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	606-20-2	2,6-Dinitrotoluene	290	U	U	290	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	208-96-8	Acenaphthylene	290	U	U	290	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	99-09-2	3-Nitroaniline	560	U	U	560	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	83-32-9	Acenaphthene	290	U	U	290	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	51-28-5	2,4-Dinitrophenol	560	U	U	560	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	100-02-7	4-Nitrophenol	560	U	U	560	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	132-64-9	Dibenzofuran	290	U	U	290	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	121-14-2	2,4-Dinitrotoluene	290	U	U	290	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	84-66-2	Diethylphthalate	290	U	U	290	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	86-73-7	Fluorene	290	U	U	290	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	290	U	U	290	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	100-01-6	4-Nitroaniline	560	U	U	560	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	560	U	U	560	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	86-30-6	N-Nitrosodiphenylamine	290	U	U	290	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	290	U	U	290	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	101-55-3	4-Bromophenyl-phenylether	290	U	U	290	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	118-74-1	Hexachlorobenzene	290	U	U	290	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	1912-24-9	Atrazine	560	U	U	560	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	87-86-5	Pentachlorophenol	560	U	U	560	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	85-01-8	Phenanthrene	290	U	U	290	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	120-12-7	Anthracene	290	U	U	290	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	86-74-8	Carbazole	560	U	U	560	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	84-74-2	Di-n-butylphthalate	290	U	U	290	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	206-44-0	Fluoranthene	290	U	U	290	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	129-00-0	Pyrene	290	U	U	290	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	85-68-7	Butylbenzylphthalate	290	U	U	290	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	91-94-1	3,3-Dichlorobenzidine	560	U	U	560	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	56-55-3	Benzo(a)anthracene	290	U	U	290	ug/kg	6100-SED24B

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG508	Sediment	04/20/2021	1.0	218-01-9	Chrysene	290	U	U	290	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	290	U	U	290	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	117-84-0	Di-n-octyl phthalate	560	U	U	560	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	205-99-2	Benzo(b)fluoranthene	290	U	U	290	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	207-08-9	Benzo(k)fluoranthene	290	U	U	290	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	50-32-8	Benzo(a)pyrene	290	U	U	290	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	290	U	U	290	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	290	U	U	290	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	191-24-2	Benzo(g,h,i)perylene	290	U	U	290	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	290	U	U	290	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	E966796	Total Alkanes	120	N	N		ug/kg	6100-SED24B
BG509	Sediment	04/20/2021	1.0	123-91-1	1,4-Dioxane	150	U	U	150	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	100-52-7	Benzaldehyde	750	U	U	750	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	108-95-2	Phenol	750	J	U	750	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	750	U	U	750	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	95-57-8	2-Chlorophenol	390	U	U	390	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	95-48-7	2-Methylphenol	750	U	U	750	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	750	U	U	750	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	98-86-2	Acetophenone	750	U	U	750	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	106-44-5	4-Methylphenol	750	U	U	750	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	390	U	U	390	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	67-72-1	Hexachloroethane	390	U	U	390	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	98-95-3	Nitrobenzene	390	U	U	390	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	78-59-1	Isophorone	390	U	U	390	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	88-75-5	2-Nitrophenol	390	U	U	390	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	105-67-9	2,4-Dimethylphenol	390	U	U	390	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	390	U	U	390	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	120-83-2	2,4-Dichlorophenol	390	U	U	390	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	91-20-3	Naphthalene	390	U	U	390	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	106-47-8	4-Chloroaniline	750	U	U	750	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	87-68-3	Hexachlorobutadiene	390	U	U	390	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	105-60-2	Caprolactam	750	U	U	750	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	59-50-7	4-Chloro-3-methylphenol	390	U	U	390	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	90-12-0	1-Methylnaphthalene	390	U	U	390	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	91-57-6	2-Methylnaphthalene	390	U	U	390	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	77-47-4	Hexachlorocyclopentadiene	750	U	U	750	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	88-06-2	2,4,6-Trichlorophenol	390	U	U	390	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	95-95-4	2,4,5-Trichlorophenol	390	U	U	390	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	92-52-4	1,1-Biphenyl	390	U	U	390	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	91-58-7	2-Chloronaphthalene	390	U	U	390	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	88-74-4	2-Nitroaniline	390	U	UJ	390	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	131-11-3	Dimethylphthalate	420			390	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	606-20-2	2,6-Dinitrotoluene	390	U	U	390	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	208-96-8	Acenaphthylene	390	U	U	390	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	99-09-2	3-Nitroaniline	750	U	UJ	750	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	83-32-9	Acenaphthene	390	U	U	390	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	51-28-5	2,4-Dinitrophenol	750	U	UJ	750	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	100-02-7	4-Nitrophenol	750	U	UJ	750	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	132-64-9	Dibenzofuran	390	U	U	390	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	121-14-2	2,4-Dinitrotoluene	390	U	U	390	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	84-66-2	Diethylphthalate	390	U	U	390	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	86-73-7	Fluorene	390	U	U	390	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	390	U	U	390	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	100-01-6	4-Nitroaniline	750	U	UJ	750	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	750	U	U	750	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	86-30-6	N-Nitrosodiphenylamine	390	U	U	390	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	390	U	U	390	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	101-55-3	4-Bromophenyl-phenylether	390	U	U	390	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	118-74-1	Hexachlorobenzene	390	U	U	390	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	1912-24-9	Atrazine	750	U	U	750	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	87-86-5	Pentachlorophenol	750	U	U	750	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	85-01-8	Phenanthrene	390	U	U	390	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	120-12-7	Anthracene	390	U	U	390	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	86-74-8	Carbazole	750	U	U	750	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	84-74-2	Di-n-butylphthalate	390	U	U	390	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	206-44-0	Fluoranthene	390	U	U	390	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	129-00-0	Pyrene	390	U	U	390	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	85-68-7	Butylbenzylphthalate	390	U	U	390	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	91-94-1	3,3-Dichlorobenzidine	750	U	U	750	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	56-55-3	Benzo(a)anthracene	390	U	U	390	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	218-01-9	Chrysene	390	U	U	390	ug/kg	6100-SED24C

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG509	Sediment	04/20/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	390	U	U	390	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	117-84-0	Di-n-octyl phthalate	750	U	U	750	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	205-99-2	Benzo(b)fluoranthene	390	U	U	390	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	207-08-9	Benzo(k)fluoranthene	390	U	U	390	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	50-32-8	Benzo(a)pyrene	390	U	U	390	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	390	U	U	390	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	390	U	U	390	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	191-24-2	Benzo(g,h,i)perylene	390	U	U	390	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	390	U	U	390	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	000126-86-3	2,4,7,9-Tetramethyl-5-decyn-4,7-di	170	JN	JN		ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	E966796	Total Alkanes	150	N	N		ug/kg	6100-SED24C
BG510	Sediment	04/20/2021	1.0	123-91-1	1,4-Dioxane	88	U	U	88	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	100-52-7	Benzaldehyde	440	U	U	440	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	108-95-2	Phenol	440	J	U	440	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	440	U	U	440	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	95-57-8	2-Chlorophenol	220	U	U	220	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	95-48-7	2-Methylphenol	440	U	U	440	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	440	U	U	440	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	98-86-2	Acetophenone	440	U	U	440	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	106-44-5	4-Methylphenol	440	U	U	440	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	220	U	U	220	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	67-72-1	Hexachloroethane	220	U	U	220	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	98-95-3	Nitrobenzene	220	U	U	220	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	78-59-1	Isophorone	220	U	U	220	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	88-75-5	2-Nitrophenol	220	U	U	220	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	105-67-9	2,4-Dimethylphenol	220	U	U	220	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	220	U	U	220	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	120-83-2	2,4-Dichlorophenol	220	U	U	220	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	91-20-3	Naphthalene	220	U	U	220	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	106-47-8	4-Chloroaniline	440	U	U	440	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	87-68-3	Hexachlorobutadiene	220	U	U	220	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	105-60-2	Caprolactam	440	U	U	440	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	59-50-7	4-Chloro-3-methylphenol	220	U	U	220	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	90-12-0	1-Methylnaphthalene	220	U	U	220	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	91-57-6	2-Methylnaphthalene	220	U	U	220	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	77-47-4	Hexachlorocyclopentadiene	440	U	U	440	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	88-06-2	2,4,6-Trichlorophenol	220	U	U	220	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	95-95-4	2,4,5-Trichlorophenol	220	U	U	220	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	92-52-4	1,1-Biphenyl	220	U	U	220	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	91-58-7	2-Chloronaphthalene	220	U	U	220	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	88-74-4	2-Nitroaniline	220	U	U	220	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	131-11-3	Dimethylphthalate	260			220	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	606-20-2	2,6-Dinitrotoluene	220	U	U	220	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	208-96-8	Acenaphthylene	220	U	U	220	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	99-09-2	3-Nitroaniline	440	U	U	440	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	83-32-9	Acenaphthene	220	U	U	220	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	51-28-5	2,4-Dinitrophenol	440	U	U	440	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	100-02-7	4-Nitrophenol	440	U	U	440	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	132-64-9	Dibenzofuran	220	U	U	220	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	121-14-2	2,4-Dinitrotoluene	220	U	U	220	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	84-66-2	Diethylphthalate	220	U	U	220	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	86-73-7	Fluorene	220	U	U	220	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	220	U	U	220	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	100-01-6	4-Nitroaniline	440	U	U	440	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	440	U	U	440	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	86-30-6	N-Nitrosodiphenylamine	220	U	U	220	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	220	U	U	220	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	101-55-3	4-Bromophenyl-phenylether	220	U	U	220	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	118-74-1	Hexachlorobenzene	220	U	U	220	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	1912-24-9	Atrazine	440	U	U	440	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	87-86-5	Pentachlorophenol	440	U	U	440	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	85-01-8	Phenanthrene	220	U	U	220	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	120-12-7	Anthracene	220	U	U	220	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	86-74-8	Carbazole	440	U	U	440	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	84-74-2	Di-n-butylphthalate	220	U	U	220	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	206-44-0	Fluoranthene	220	U	U	220	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	129-00-0	Pyrene	220	U	U	220	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	85-68-7	Butylbenzylphthalate	220	U	U	220	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	91-94-1	3,3-Dichlorobenzidine	440	U	U	440	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	56-55-3	Benzo(a)anthracene	220	U	U	220	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	218-01-9	Chrysene	220	U	U	220	ug/kg	6100-SED25A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG510	Sediment	04/20/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	220	U	U	220	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	117-84-0	Di-n-octyl phthalate	440	U	U	440	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	205-99-2	Benzo(b)fluoranthene	220	U	U	220	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	207-08-9	Benzo(k)fluoranthene	220	U	U	220	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	50-32-8	Benzo(a)pyrene	220	U	U	220	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	220	U	U	220	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	220	U	U	220	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	191-24-2	Benzo(g,h,i)perylene	220	U	U	220	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	220	U	U	220	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	000057-10-3	n-Hexadecanoic acid	160	JN	JN		ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	062016-79-9	Heptacosane, 1-chloro-	97	JN	JN		ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	1000351-87-0	Heptadecyl trifluoroacetate	170	JN	JN		ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	E966796	Total Alkanes	100	N	N		ug/kg	6100-SED25A
BG511	Sediment	04/20/2021	1.0	123-91-1	1,4-Dioxane	120	U	U	120	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	100-52-7	Benzaldehyde	580	U	U	580	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	108-95-2	Phenol	580	J	U	580	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	580	U	U	580	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	95-57-8	2-Chlorophenol	300	U	U	300	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	95-48-7	2-Methylphenol	580	U	U	580	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	580	U	U	580	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	98-86-2	Acetophenone	580	U	U	580	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	106-44-5	4-Methylphenol	580	U	U	580	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	300	U	U	300	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	67-72-1	Hexachloroethane	300	U	U	300	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	98-95-3	Nitrobenzene	300	U	U	300	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	78-59-1	Isophorone	300	U	U	300	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	88-75-5	2-Nitrophenol	300	U	U	300	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	105-67-9	2,4-Dimethylphenol	300	U	U	300	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	300	U	U	300	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	120-83-2	2,4-Dichlorophenol	300	U	U	300	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	91-20-3	Naphthalene	300	U	U	300	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	106-47-8	4-Chloroaniline	580	U	U	580	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	87-68-3	Hexachlorobutadiene	300	U	U	300	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	105-60-2	Caprolactam	580	U	U	580	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	59-50-7	4-Chloro-3-methylphenol	300	U	U	300	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	90-12-0	1-Methylnaphthalene	300	U	U	300	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	91-57-6	2-Methylnaphthalene	300	U	U	300	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	77-47-4	Hexachlorocyclopentadiene	580	U	U	580	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	88-06-2	2,4,6-Trichlorophenol	300	U	U	300	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	95-95-4	2,4,5-Trichlorophenol	300	U	U	300	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	92-52-4	1,1-Biphenyl	300	U	U	300	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	91-58-7	2-Chloronaphthalene	300	U	U	300	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	88-74-4	2-Nitroaniline	300	U	U	300	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	131-11-3	Dimethylphthalate	370			300	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	606-20-2	2,6-Dinitrotoluene	300	U	U	300	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	208-96-8	Acenaphthylene	300	U	U	300	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	99-09-2	3-Nitroaniline	580	U	U	580	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	83-32-9	Acenaphthene	300	U	U	300	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	51-28-5	2,4-Dinitrophenol	580	U	U	580	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	100-02-7	4-Nitrophenol	580	U	U	580	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	132-64-9	Dibenzofuran	300	U	U	300	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	121-14-2	2,4-Dinitrotoluene	300	U	U	300	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	84-66-2	Diethylphthalate	300	U	U	300	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	86-73-7	Fluorene	300	U	U	300	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	300	U	U	300	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	100-01-6	4-Nitroaniline	580	U	U	580	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	580	U	U	580	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	86-30-6	N-Nitrosodiphenylamine	300	U	U	300	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	300	U	U	300	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	101-55-3	4-Bromophenyl-phenylether	300	U	U	300	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	118-74-1	Hexachlorobenzene	300	U	U	300	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	1912-24-9	Atrazine	580	U	U	580	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	87-86-5	Pentachlorophenol	580	U	U	580	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	85-01-8	Phenanthrene	300	U	U	300	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	120-12-7	Anthracene	300	U	U	300	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	86-74-8	Carbazole	580	U	U	580	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	84-74-2	Di-n-butylphthalate	300	U	U	300	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	206-44-0	Fluoranthene	300	U	U	300	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	129-00-0	Pyrene	300	U	U	300	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	85-68-7	Butylbenzylphthalate	300	U	U	300	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	91-94-1	3,3-Dichlorobenzidine	580	U	U	580	ug/kg	6100-SED25B

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG511	Sediment	04/20/2021	1.0	56-55-3	Benzo(a)anthracene	300	U	U	300	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	218-01-9	Chrysene	300	U	U	300	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	300	U	U	300	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	117-84-0	Di-n-octyl phthalate	580	U	U	580	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	205-99-2	Benzo(b)fluoranthene	300	U	U	300	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	207-08-9	Benzo(k)fluoranthene	300	U	U	300	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	50-32-8	Benzo(a)pyrene	300	U	U	300	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	300	U	U	300	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	300	U	U	300	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	191-24-2	Benzo(g,h,i)perylene	300	U	U	300	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	300	U	U	300	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	000557-61-9	Octacosanol	250	JN	JN		ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	6100-SED25B
BG512	Sediment	04/20/2021	1.0	123-91-1	1,4-Dioxane	260	U	UJ	260	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	100-52-7	Benzaldehyde	1300	U	UJ	1300	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	108-95-2	Phenol	1300	J	UJ	1300	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	1300	U	UJ	1300	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	95-57-8	2-Chlorophenol	650	U	UJ	650	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	95-48-7	2-Methylphenol	1300	U	UJ	1300	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	1300	U	UJ	1300	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	98-86-2	Acetophenone	1300	U	UJ	1300	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	106-44-5	4-Methylphenol	1300	U	UJ	1300	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	650	U	UJ	650	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	67-72-1	Hexachloroethane	650	U	UJ	650	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	98-95-3	Nitrobenzene	650	U	UJ	650	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	78-59-1	Isophorone	650	U	UJ	650	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	88-75-5	2-Nitrophenol	650	U	UJ	650	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	105-67-9	2,4-Dimethylphenol	650	U	UJ	650	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	650	U	UJ	650	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	120-83-2	2,4-Dichlorophenol	650	U	UJ	650	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	91-20-3	Naphthalene	650	U	UJ	650	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	106-47-8	4-Chloroaniline	1300	U	UJ	1300	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	87-68-3	Hexachlorobutadiene	650	U	UJ	650	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	105-60-2	Caprolactam	1300	U	UJ	1300	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	59-50-7	4-Chloro-3-methylphenol	650	U	UJ	650	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	90-12-0	1-Methylnaphthalene	650	U	UJ	650	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	91-57-6	2-Methylnaphthalene	650	U	UJ	650	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	77-47-4	Hexachlorocyclopentadiene	1300	U	UJ	1300	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	88-06-2	2,4,6-Trichlorophenol	650	U	UJ	650	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	95-95-4	2,4,5-Trichlorophenol	650	U	UJ	650	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	92-52-4	1,1-Biphenyl	650	U	UJ	650	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	91-58-7	2-Chloronaphthalene	650	U	UJ	650	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	88-74-4	2-Nitroaniline	650	U	UJ	650	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	131-11-3	Dimethylphthalate	500	J	UJ	650	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	606-20-2	2,6-Dinitrotoluene	650	U	UJ	650	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	208-96-8	Acenaphthylene	650	U	UJ	650	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	99-09-2	3-Nitroaniline	1300	U	UJ	1300	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	83-32-9	Acenaphthene	650	U	UJ	650	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	51-28-5	2,4-Dinitrophenol	1300	U	UJ	1300	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	100-02-7	4-Nitrophenol	1300	U	UJ	1300	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	132-64-9	Dibenzofuran	650	U	UJ	650	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	121-14-2	2,4-Dinitrotoluene	650	U	UJ	650	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	84-66-2	Diethylphthalate	650	U	UJ	650	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	86-73-7	Fluorene	650	U	UJ	650	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	650	U	UJ	650	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	100-01-6	4-Nitroaniline	1300	U	UJ	1300	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	1300	U	UJ	1300	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	86-30-6	N-Nitrosodiphenylamine	650	U	UJ	650	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	650	U	UJ	650	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	101-55-3	4-Bromophenyl-phenylether	650	U	UJ	650	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	118-74-1	Hexachlorobenzene	650	U	UJ	650	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	1912-24-9	Atrazine	1300	U	UJ	1300	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	87-86-5	Pentachlorophenol	1300	U	UJ	1300	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	85-01-8	Phenanthrene	650	U	UJ	650	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	120-12-7	Anthracene	650	U	UJ	650	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	86-74-8	Carbazole	1300	U	UJ	1300	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	84-74-2	Di-n-butylphthalate	650	U	UJ	650	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	206-44-0	Fluoranthene	650	U	UJ	650	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	129-00-0	Pyrene	650	U	UJ	650	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	85-68-7	Butylbenzylphthalate	650	U	UJ	650	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	91-94-1	3,3-Dichlorobenzidine	1300	U	UJ	1300	ug/kg	6100-SED25C

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG512	Sediment	04/20/2021	1.0	56-55-3	Benzo(a)anthracene	650	U	UJ	650	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	218-01-9	Chrysene	650	U	UJ	650	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	650	U	UJ	650	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	117-84-0	Di-n-octyl phthalate	1300	U	UJ	1300	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	205-99-2	Benzo(b)fluoranthene	650	U	UJ	650	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	207-08-9	Benzo(k)fluoranthene	650	U	UJ	650	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	50-32-8	Benzo(a)pyrene	650	U	UJ	650	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	650	U	UJ	650	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	650	U	UJ	650	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	191-24-2	Benzo(g,h,i)perylene	650	U	UJ	650	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	650	U	UJ	650	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	E966796	Total Alkanes	300	N	N		ug/kg	6100-SED25C
BG513	Sediment	04/20/2021	1.0	123-91-1	1,4-Dioxane	87	U	U	87	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	100-52-7	Benzaldehyde	430	U	U	430	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	108-95-2	Phenol	430	J	U	430	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	430	U	U	430	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	95-57-8	2-Chlorophenol	220	U	U	220	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	95-48-7	2-Methylphenol	430	U	U	430	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	430	U	U	430	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	98-86-2	Acetophenone	430	U	U	430	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	106-44-5	4-Methylphenol	430	U	U	430	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	220	U	U	220	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	67-72-1	Hexachloroethane	220	U	U	220	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	98-95-3	Nitrobenzene	220	U	U	220	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	78-59-1	Isophorone	220	U	U	220	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	88-75-5	2-Nitrophenol	220	U	U	220	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	105-67-9	2,4-Dimethylphenol	220	U	U	220	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	220	U	U	220	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	120-83-2	2,4-Dichlorophenol	220	U	U	220	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	91-20-3	Naphthalene	220	U	U	220	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	106-47-8	4-Chloroaniline	430	U	U	430	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	87-68-3	Hexachlorobutadiene	220	U	U	220	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	105-60-2	Caprolactam	430	U	U	430	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	59-50-7	4-Chloro-3-methylphenol	220	U	U	220	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	90-12-0	1-Methylnaphthalene	220	U	U	220	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	91-57-6	2-Methylnaphthalene	220	U	U	220	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	77-47-4	Hexachlorocyclopentadiene	430	U	U	430	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	88-06-2	2,4,6-Trichlorophenol	220	U	U	220	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	95-95-4	2,4,5-Trichlorophenol	220	U	U	220	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	92-52-4	1,1-Biphenyl	220	U	U	220	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	91-58-7	2-Chloronaphthalene	220	U	U	220	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	88-74-4	2-Nitroaniline	220	U	U	220	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	131-11-3	Dimethylphthalate	210	J	J	220	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	606-20-2	2,6-Dinitrotoluene	220	U	U	220	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	208-96-8	Acenaphthylene	220	U	U	220	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	99-09-2	3-Nitroaniline	430	U	U	430	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	83-32-9	Acenaphthene	220	U	U	220	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	51-28-5	2,4-Dinitrophenol	430	U	U	430	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	100-02-7	4-Nitrophenol	430	U	U	430	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	132-64-9	Dibenzofuran	220	U	U	220	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	121-14-2	2,4-Dinitrotoluene	220	U	U	220	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	84-66-2	Diethylphthalate	220	U	U	220	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	86-73-7	Fluorene	220	U	U	220	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	220	U	U	220	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	100-01-6	4-Nitroaniline	430	U	U	430	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	430	U	U	430	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	86-30-6	N-Nitrosodiphenylamine	220	U	U	220	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	220	U	U	220	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	101-55-3	4-Bromophenyl-phenylether	220	U	U	220	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	118-74-1	Hexachlorobenzene	220	U	U	220	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	1912-24-9	Atrazine	430	U	U	430	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	87-86-5	Pentachlorophenol	430	U	U	430	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	85-01-8	Phenanthrene	220	U	U	220	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	120-12-7	Anthracene	220	U	U	220	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	86-74-8	Carbazole	430	U	U	430	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	84-74-2	Di-n-butylphthalate	220	U	U	220	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	206-44-0	Fluoranthene	220	U	U	220	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	129-00-0	Pyrene	220	U	U	220	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	85-68-7	Butylbenzylphthalate	220	U	U	220	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	91-94-1	3,3-Dichlorobenzidine	430	U	U	430	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	56-55-3	Benzo(a)anthracene	220	U	U	220	ug/kg	6100-SED26A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG513	Sediment	04/20/2021	1.0	218-01-9	Chrysene	220	U	U	220	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	220	U	U	220	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	117-84-0	Di-n-octyl phthalate	430	U	U	430	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	205-99-2	Benzo(b)fluoranthene	220	U	U	220	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	207-08-9	Benzo(k)fluoranthene	220	U	U	220	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	50-32-8	Benzo(a)pyrene	220	U	U	220	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	220	U	U	220	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	220	U	U	220	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	191-24-2	Benzo(g,h,i)perylene	220	U	U	220	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	220	U	U	220	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	000057-10-3	n-Hexadecanoic acid	140	JN	JN		ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	000506-51-4	n-Tetracosanol-1	250	JN	JN		ug/kg	6100-SED26A
BG573	Sediment	04/20/2021	1.0	123-91-1	1,4-Dioxane	82	U	U	82	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	100-52-7	Benzaldehyde	400	U	U	400	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	108-95-2	Phenol	400	J	U	400	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	400	U	U	400	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	95-57-8	2-Chlorophenol	210	U	U	210	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	95-48-7	2-Methylphenol	400	U	U	400	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	400	U	U	400	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	98-86-2	Acetophenone	400	U	U	400	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	106-44-5	4-Methylphenol	400	U	U	400	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	210	U	U	210	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	67-72-1	Hexachloroethane	210	U	U	210	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	98-95-3	Nitrobenzene	210	U	U	210	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	78-59-1	Isophorone	210	U	U	210	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	88-75-5	2-Nitrophenol	210	U	U	210	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	105-67-9	2,4-Dimethylphenol	210	U	U	210	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	210	U	U	210	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	120-83-2	2,4-Dichlorophenol	210	U	U	210	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	91-20-3	Naphthalene	210	U	U	210	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	106-47-8	4-Chloroaniline	400	U	U	400	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	87-68-3	Hexachlorobutadiene	210	U	U	210	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	105-60-2	Caprolactam	400	U	U	400	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	59-50-7	4-Chloro-3-methylphenol	210	U	U	210	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	90-12-0	1-Methylnaphthalene	210	U	U	210	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	91-57-6	2-Methylnaphthalene	210	U	U	210	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	77-47-4	Hexachlorocyclopentadiene	400	U	U	400	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	88-06-2	2,4,6-Trichlorophenol	210	U	U	210	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	95-95-4	2,4,5-Trichlorophenol	210	U	U	210	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	92-52-4	1,1-Biphenyl	210	U	U	210	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	91-58-7	2-Chloronaphthalene	210	U	U	210	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	88-74-4	2-Nitroaniline	210	U	U	210	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	131-11-3	Dimethylphthalate	320			210	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	606-20-2	2,6-Dinitrotoluene	210	U	U	210	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	208-96-8	Acenaphthylene	210	U	U	210	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	99-09-2	3-Nitroaniline	400	U	U	400	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	83-32-9	Acenaphthene	210	U	U	210	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	51-28-5	2,4-Dinitrophenol	400	U	U	400	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	100-02-7	4-Nitrophenol	400	U	U	400	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	132-64-9	Dibenzofuran	210	U	U	210	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	121-14-2	2,4-Dinitrotoluene	210	U	U	210	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	84-66-2	Diethylphthalate	210	U	U	210	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	86-73-7	Fluorene	210	U	U	210	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	210	U	U	210	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	100-01-6	4-Nitroaniline	400	U	U	400	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	400	U	U	400	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	86-30-6	N-Nitrosodiphenylamine	210	U	U	210	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	210	U	U	210	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	101-55-3	4-Bromophenyl-phenylether	210	U	U	210	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	118-74-1	Hexachlorobenzene	210	U	U	210	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	1912-24-9	Atrazine	400	U	U	400	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	87-86-5	Pentachlorophenol	400	U	U	400	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	85-01-8	Phenanthrene	210	U	U	210	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	120-12-7	Anthracene	210	U	U	210	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	86-74-8	Carbazole	400	U	U	400	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	84-74-2	Di-n-butylphthalate	210	U	U	210	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	206-44-0	Fluoranthene	210	U	U	210	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	129-00-0	Pyrene	210	U	U	210	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	85-68-7	Butylbenzylphthalate	210	U	U	210	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	91-94-1	3,3-Dichlorobenzidine	400	U	U	400	ug/kg	6100-SED06A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG573	Sediment	04/20/2021	1.0	56-55-3	Benzo(a)anthracene	210	U	U	210	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	218-01-9	Chrysene	210	U	U	210	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	210	U	U	210	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	117-84-0	Di-n-octyl phthalate	400	U	U	400	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	205-99-2	Benzo(b)fluoranthene	210	U	U	210	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	207-08-9	Benzo(k)fluoranthene	210	U	U	210	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	50-32-8	Benzo(a)pyrene	210	U	U	210	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	210	U	U	210	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	210	U	U	210	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	191-24-2	Benzo(g,h,i)perylene	210	U	U	210	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	210	U	U	210	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	000057-10-3	n-Hexadecanoic acid	99	JN	JN		ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	959085-66-6	Heptadecyl heptafluorobutyrate	150	JN	JN		ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	E966796	Total Alkanes	100	N	N		ug/kg	6100-SED06A
BG574	Sediment	04/20/2021	1.0	123-91-1	1,4-Dioxane	82	U	U	82	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	100-52-7	Benzaldehyde	400	U	U	400	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	108-95-2	Phenol	400	J	U	400	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	400	U	U	400	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	95-57-8	2-Chlorophenol	210	U	U	210	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	95-48-7	2-Methylphenol	400	U	U	400	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	400	U	U	400	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	98-86-2	Acetophenone	400	U	U	400	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	106-44-5	4-Methylphenol	400	U	U	400	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	210	U	U	210	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	67-72-1	Hexachloroethane	210	U	U	210	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	98-95-3	Nitrobenzene	210	U	U	210	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	78-59-1	Isophorone	210	U	U	210	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	88-75-5	2-Nitrophenol	210	U	U	210	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	105-67-9	2,4-Dimethylphenol	210	U	U	210	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	210	U	U	210	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	120-83-2	2,4-Dichlorophenol	210	U	U	210	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	91-20-3	Naphthalene	210	U	U	210	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	106-47-8	4-Chloroaniline	400	U	U	400	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	87-68-3	Hexachlorobutadiene	210	U	U	210	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	105-60-2	Caprolactam	400	U	U	400	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	59-50-7	4-Chloro-3-methylphenol	210	U	U	210	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	90-12-0	1-Methylnaphthalene	210	U	U	210	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	91-57-6	2-Methylnaphthalene	210	U	U	210	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	77-47-4	Hexachlorocyclopentadiene	400	U	U	400	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	88-06-2	2,4,6-Trichlorophenol	210	U	U	210	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	95-95-4	2,4,5-Trichlorophenol	210	U	U	210	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	92-52-4	1,1-Biphenyl	210	U	U	210	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	91-58-7	2-Chloronaphthalene	210	U	U	210	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	88-74-4	2-Nitroaniline	210	U	U	210	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	131-11-3	Dimethylphthalate	180	J	J	210	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	606-20-2	2,6-Dinitrotoluene	210	U	U	210	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	208-96-8	Acenaphthylene	210	U	U	210	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	99-09-2	3-Nitroaniline	400	U	U	400	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	83-32-9	Acenaphthene	210	U	U	210	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	51-28-5	2,4-Dinitrophenol	400	U	U	400	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	100-02-7	4-Nitrophenol	400	U	U	400	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	132-64-9	Dibenzofuran	210	U	U	210	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	121-14-2	2,4-Dinitrotoluene	210	U	U	210	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	84-66-2	Diethylphthalate	210	U	U	210	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	86-73-7	Fluorene	210	U	U	210	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	210	U	U	210	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	100-01-6	4-Nitroaniline	400	U	U	400	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	400	U	U	400	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	86-30-6	N-Nitrosodiphenylamine	210	U	U	210	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	210	U	U	210	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	101-55-3	4-Bromophenyl-phenylether	210	U	U	210	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	118-74-1	Hexachlorobenzene	210	U	U	210	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	1912-24-9	Atrazine	400	U	U	400	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	87-86-5	Pentachlorophenol	400	U	U	400	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	85-01-8	Phenanthrene	210	U	U	210	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	120-12-7	Anthracene	210	U	U	210	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	86-74-8	Carbazole	400	U	U	400	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	84-74-2	Di-n-butylphthalate	210	U	U	210	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	206-44-0	Fluoranthene	210	U	U	210	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	129-00-0	Pyrene	210	U	U	210	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	85-68-7	Butylbenzylphthalate	210	U	U	210	ug/kg	6100-SED06B

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG574	Sediment	04/20/2021	1.0	91-94-1	3,3-Dichlorobenzidine	400	U	U	400	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	56-55-3	Benzo(a)anthracene	210	U	U	210	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	218-01-9	Chrysene	210	U	U	210	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	210	U	U	210	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	117-84-0	Di-n-octyl phthalate	400	U	U	400	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	205-99-2	Benzo(b)fluoranthene	210	U	U	210	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	207-08-9	Benzo(k)fluoranthene	210	U	U	210	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	50-32-8	Benzo(a)pyrene	210	U	U	210	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	210	U	U	210	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	210	U	U	210	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	191-24-2	Benzo(g,h,i)perylene	210	U	U	210	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	210	U	U	210	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	000057-10-3	n-Hexadecanoic acid	110	JN	JN		ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	E966796	Total Alkanes	270	N	N		ug/kg	6100-SED06B
BG575	Sediment	04/20/2021	1.0	123-91-1	1,4-Dioxane	89	U	U	89	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	100-52-7	Benzaldehyde	440	U	U	440	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	108-95-2	Phenol	440	J	U	440	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	440	U	U	440	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	95-57-8	2-Chlorophenol	230	U	U	230	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	95-48-7	2-Methylphenol	440	U	U	440	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	440	U	U	440	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	98-86-2	Acetophenone	440	U	U	440	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	106-44-5	4-Methylphenol	440	U	U	440	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	230	U	U	230	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	67-72-1	Hexachloroethane	230	U	U	230	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	98-95-3	Nitrobenzene	230	U	U	230	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	78-59-1	Isophorone	230	U	U	230	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	88-75-5	2-Nitrophenol	230	U	U	230	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	105-67-9	2,4-Dimethylphenol	230	U	U	230	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	230	U	U	230	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	120-83-2	2,4-Dichlorophenol	230	U	U	230	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	91-20-3	Naphthalene	230	U	U	230	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	106-47-8	4-Chloroaniline	440	U	U	440	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	87-68-3	Hexachlorobutadiene	230	U	U	230	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	105-60-2	Caprolactam	440	U	U	440	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	59-50-7	4-Chloro-3-methylphenol	230	U	U	230	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	90-12-0	1-Methylnaphthalene	230	U	U	230	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	91-57-6	2-Methylnaphthalene	230	U	U	230	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	77-47-4	Hexachlorocyclopentadiene	440	U	U	440	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	88-06-2	2,4,6-Trichlorophenol	230	U	U	230	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	95-95-4	2,4,5-Trichlorophenol	230	U	U	230	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	92-52-4	1,1-Biphenyl	230	U	U	230	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	91-58-7	2-Chloronaphthalene	230	U	U	230	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	88-74-4	2-Nitroaniline	230	U	U	230	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	131-11-3	Dimethylphthalate	270			230	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	606-20-2	2,6-Dinitrotoluene	230	U	U	230	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	208-96-8	Acenaphthylene	230	U	U	230	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	99-09-2	3-Nitroaniline	440	U	U	440	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	83-32-9	Acenaphthene	230	U	U	230	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	51-28-5	2,4-Dinitrophenol	440	U	U	440	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	100-02-7	4-Nitrophenol	440	U	U	440	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	132-64-9	Dibenzofuran	230	U	U	230	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	121-14-2	2,4-Dinitrotoluene	230	U	U	230	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	84-66-2	Diethylphthalate	230	U	U	230	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	86-73-7	Fluorene	230	U	U	230	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	230	U	U	230	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	100-01-6	4-Nitroaniline	440	U	U	440	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	440	U	U	440	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	86-30-6	N-Nitrosodiphenylamine	230	U	U	230	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	230	U	U	230	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	101-55-3	4-Bromophenyl-phenylether	230	U	U	230	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	118-74-1	Hexachlorobenzene	230	U	U	230	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	1912-24-9	Atrazine	440	U	U	440	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	87-86-5	Pentachlorophenol	440	U	U	440	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	85-01-8	Phenanthrene	230	U	U	230	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	120-12-7	Anthracene	230	U	U	230	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	86-74-8	Carbazole	440	U	U	440	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	84-74-2	Di-n-butylphthalate	230	U	U	230	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	206-44-0	Fluoranthene	230	U	U	230	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	129-00-0	Pyrene	230	U	U	230	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	85-68-7	Butylbenzylphthalate	230	U	U	230	ug/kg	6100-SED06C

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG575	Sediment	04/20/2021	1.0	91-94-1	3,3-Dichlorobenzidine	440	U	U	440	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	56-55-3	Benzo(a)anthracene	230	U	U	230	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	218-01-9	Chrysene	230	U	U	230	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	230	U	U	230	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	117-84-0	Di-n-octyl phthalate	440	U	U	440	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	205-99-2	Benzo(b)fluoranthene	230	U	U	230	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	207-08-9	Benzo(k)fluoranthene	230	U	U	230	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	50-32-8	Benzo(a)pyrene	230	U	U	230	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	230	U	U	230	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	230	U	U	230	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	191-24-2	Benzo(g,h,i)perylene	230	U	U	230	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	230	U	U	230	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	E966796	Total Alkanes	240	N	N		ug/kg	6100-SED06C
SLCS005		05/02/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	
SLCS005		05/02/2021	1.0	123-91-1	1,4-Dioxane	370			67	ug/kg	
SLCS005		05/02/2021	1.0	100-52-7	Benzaldehyde	840			330	ug/kg	
SLCS005		05/02/2021	1.0	108-95-2	Phenol	1100			330	ug/kg	
SLCS005		05/02/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	1100			330	ug/kg	
SLCS005		05/02/2021	1.0	95-57-8	2-Chlorophenol	1100			170	ug/kg	
SLCS005		05/02/2021	1.0	95-48-7	2-Methylphenol	1000			330	ug/kg	
SLCS005		05/02/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	1000			330	ug/kg	
SLCS005		05/02/2021	1.0	98-86-2	Acetophenone	1000			330	ug/kg	
SLCS005		05/02/2021	1.0	106-44-5	4-Methylphenol	1100			330	ug/kg	
SLCS005		05/02/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	1000			170	ug/kg	
SLCS005		05/02/2021	1.0	67-72-1	Hexachloroethane	1000			170	ug/kg	
SLCS005		05/02/2021	1.0	98-95-3	Nitrobenzene	1100			170	ug/kg	
SLCS005		05/02/2021	1.0	78-59-1	Isophorone	1100			170	ug/kg	
SLCS005		05/02/2021	1.0	88-75-5	2-Nitrophenol	1200			170	ug/kg	
SLCS005		05/02/2021	1.0	105-67-9	2,4-Dimethylphenol	1100			170	ug/kg	
SLCS005		05/02/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	1200			170	ug/kg	
SLCS005		05/02/2021	1.0	120-83-2	2,4-Dichlorophenol	1200			170	ug/kg	
SLCS005		05/02/2021	1.0	91-20-3	Naphthalene	1100			170	ug/kg	
SLCS005		05/02/2021	1.0	106-47-8	4-Chloroaniline	910			330	ug/kg	
SLCS005		05/02/2021	1.0	87-68-3	Hexachlorobutadiene	1200			170	ug/kg	
SLCS005		05/02/2021	1.0	105-60-2	Caprolactam	1100			330	ug/kg	
SLCS005		05/02/2021	1.0	59-50-7	4-Chloro-3-methylphenol	1100			170	ug/kg	
SLCS005		05/02/2021	1.0	90-12-0	1-Methylnaphthalene	1100			170	ug/kg	
SLCS005		05/02/2021	1.0	91-57-6	2-Methylnaphthalene	1100			170	ug/kg	
SLCS005		05/02/2021	1.0	77-47-4	Hexachlorocyclopentadiene	1100			330	ug/kg	
SLCS005		05/02/2021	1.0	88-06-2	2,4,6-Trichlorophenol	1200			170	ug/kg	
SLCS005		05/02/2021	1.0	95-95-4	2,4,5-Trichlorophenol	1200			170	ug/kg	
SLCS005		05/02/2021	1.0	92-52-4	1,1-Biphenyl	1100			170	ug/kg	
SLCS005		05/02/2021	1.0	91-58-7	2-Chloronaphthalene	1200			170	ug/kg	
SLCS005		05/02/2021	1.0	88-74-4	2-Nitroaniline	1100			170	ug/kg	
SLCS005		05/02/2021	1.0	131-11-3	Dimethylphthalate	1200			170	ug/kg	
SLCS005		05/02/2021	1.0	606-20-2	2,6-Dinitrotoluene	1200			170	ug/kg	
SLCS005		05/02/2021	1.0	208-96-8	Acenaphthylene	1100			170	ug/kg	
SLCS005		05/02/2021	1.0	99-09-2	3-Nitroaniline	910			330	ug/kg	
SLCS005		05/02/2021	1.0	83-32-9	Acenaphthene	1100			170	ug/kg	
SLCS005		05/02/2021	1.0	51-28-5	2,4-Dinitrophenol	1100			330	ug/kg	
SLCS005		05/02/2021	1.0	100-02-7	4-Nitrophenol	1300			330	ug/kg	
SLCS005		05/02/2021	1.0	132-64-9	Dibenzofuran	1200			170	ug/kg	
SLCS005		05/02/2021	1.0	121-14-2	2,4-Dinitrotoluene	1200			170	ug/kg	
SLCS005		05/02/2021	1.0	84-66-2	Diethylphthalate	1200			170	ug/kg	
SLCS005		05/02/2021	1.0	86-73-7	Fluorene	1200			170	ug/kg	
SLCS005		05/02/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	1200			170	ug/kg	
SLCS005		05/02/2021	1.0	100-01-6	4-Nitroaniline	980			330	ug/kg	
SLCS005		05/02/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	1200			330	ug/kg	
SLCS005		05/02/2021	1.0	86-30-6	N-Nitrosodiphenylamine	1100			170	ug/kg	
SLCS005		05/02/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	1200			170	ug/kg	
SLCS005		05/02/2021	1.0	101-55-3	4-Bromophenyl-phenylether	1300			170	ug/kg	
SLCS005		05/02/2021	1.0	118-74-1	Hexachlorobenzene	1200			170	ug/kg	
SLCS005		05/02/2021	1.0	1912-24-9	Atrazine	1200			330	ug/kg	
SLCS005		05/02/2021	1.0	87-86-5	Pentachlorophenol	1400			330	ug/kg	
SLCS005		05/02/2021	1.0	85-01-8	Phenanthrene	1200			170	ug/kg	
SLCS005		05/02/2021	1.0	120-12-7	Anthracene	1200			170	ug/kg	
SLCS005		05/02/2021	1.0	86-74-8	Carbazole	1100			330	ug/kg	
SLCS005		05/02/2021	1.0	84-74-2	Di-n-butylphthalate	1200			170	ug/kg	
SLCS005		05/02/2021	1.0	206-44-0	Fluoranthene	1200			170	ug/kg	
SLCS005		05/02/2021	1.0	129-00-0	Pyrene	1200			170	ug/kg	
SLCS005		05/02/2021	1.0	85-68-7	Butylbenzylphthalate	1200			170	ug/kg	

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
SLCS005		05/02/2021	1.0	91-94-1	3,3-Dichlorobenzidine	990			330	ug/kg	
SLCS005		05/02/2021	1.0	56-55-3	Benzo(a)anthracene	1200			170	ug/kg	
SLCS005		05/02/2021	1.0	218-01-9	Chrysene	1200			170	ug/kg	
SLCS005		05/02/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	1200			170	ug/kg	
SLCS005		05/02/2021	1.0	117-84-0	Di-n-octyl phthalate	1200			330	ug/kg	
SLCS005		05/02/2021	1.0	205-99-2	Benzo(b)fluoranthene	1200			170	ug/kg	
SLCS005		05/02/2021	1.0	207-08-9	Benzo(k)fluoranthene	1200			170	ug/kg	
SLCS005		05/02/2021	1.0	50-32-8	Benzo(a)pyrene	1200			170	ug/kg	
SLCS005		05/02/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	1200			170	ug/kg	
SLCS005		05/02/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	1200			170	ug/kg	
SLCS005		05/02/2021	1.0	191-24-2	Benzo(g,h,i)perylene	1200			170	ug/kg	
SLCS005		05/02/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	1300			170	ug/kg	
SLCS930		04/24/2021	1.0	E966796	Total Alkanes		N	N		ug/L	
SLCS930		04/24/2021	1.0	123-91-1	1,4-Dioxane	8.1			2.0	ug/L	
SLCS930		04/24/2021	1.0	100-52-7	Benzaldehyde	32			10	ug/L	
SLCS930		04/24/2021	1.0	108-95-2	Phenol	28			10	ug/L	
SLCS930		04/24/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	29			10	ug/L	
SLCS930		04/24/2021	1.0	95-57-8	2-Chlorophenol	29			5.0	ug/L	
SLCS930		04/24/2021	1.0	95-48-7	2-Methylphenol	29			10	ug/L	
SLCS930		04/24/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	31			10	ug/L	
SLCS930		04/24/2021	1.0	98-86-2	Acetophenone	31			10	ug/L	
SLCS930		04/24/2021	1.0	106-44-5	4-Methylphenol	30			10	ug/L	
SLCS930		04/24/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	32			5.0	ug/L	
SLCS930		04/24/2021	1.0	67-72-1	Hexachloroethane	32			5.0	ug/L	
SLCS930		04/24/2021	1.0	98-95-3	Nitrobenzene	31			5.0	ug/L	
SLCS930		04/24/2021	1.0	78-59-1	Isophorone	34			5.0	ug/L	
SLCS930		04/24/2021	1.0	88-75-5	2-Nitrophenol	31			5.0	ug/L	
SLCS930		04/24/2021	1.0	105-67-9	2,4-Dimethylphenol	28			5.0	ug/L	
SLCS930		04/24/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	31			5.0	ug/L	
SLCS930		04/24/2021	1.0	120-83-2	2,4-Dichlorophenol	30			5.0	ug/L	
SLCS930		04/24/2021	1.0	91-20-3	Naphthalene	30			5.0	ug/L	
SLCS930		04/24/2021	1.0	106-47-8	4-Chloroaniline	27			10	ug/L	
SLCS930		04/24/2021	1.0	87-68-3	Hexachlorobutadiene	30			5.0	ug/L	
SLCS930		04/24/2021	1.0	105-60-2	Caprolactam	33			10	ug/L	
SLCS930		04/24/2021	1.0	59-50-7	4-Chloro-3-methylphenol	32			5.0	ug/L	
SLCS930		04/24/2021	1.0	90-12-0	1-Methylnaphthalene	30			5.0	ug/L	
SLCS930		04/24/2021	1.0	91-57-6	2-Methylnaphthalene	31			5.0	ug/L	
SLCS930		04/24/2021	1.0	77-47-4	Hexachlorocyclopentadiene	25			10	ug/L	
SLCS930		04/24/2021	1.0	88-06-2	2,4,6-Trichlorophenol	32			5.0	ug/L	
SLCS930		04/24/2021	1.0	95-95-4	2,4,5-Trichlorophenol	32			5.0	ug/L	
SLCS930		04/24/2021	1.0	92-52-4	1,1-Biphenyl	33			5.0	ug/L	
SLCS930		04/24/2021	1.0	91-58-7	2-Chloronaphthalene	32			5.0	ug/L	
SLCS930		04/24/2021	1.0	88-74-4	2-Nitroaniline	38			5.0	ug/L	
SLCS930		04/24/2021	1.0	131-11-3	Dimethylphthalate	35			5.0	ug/L	
SLCS930		04/24/2021	1.0	606-20-2	2,6-Dinitrotoluene	39			5.0	ug/L	
SLCS930		04/24/2021	1.0	208-96-8	Acenaphthylene	34			5.0	ug/L	
SLCS930		04/24/2021	1.0	99-09-2	3-Nitroaniline	30			10	ug/L	
SLCS930		04/24/2021	1.0	83-32-9	Acenaphthene	33			5.0	ug/L	
SLCS930		04/24/2021	1.0	51-28-5	2,4-Dinitrophenol	40			10	ug/L	
SLCS930		04/24/2021	1.0	100-02-7	4-Nitrophenol	31			10	ug/L	
SLCS930		04/24/2021	1.0	132-64-9	Dibenzofuran	34			5.0	ug/L	
SLCS930		04/24/2021	1.0	121-14-2	2,4-Dinitrotoluene	39			5.0	ug/L	
SLCS930		04/24/2021	1.0	84-66-2	Diethylphthalate	33			5.0	ug/L	
SLCS930		04/24/2021	1.0	86-73-7	Fluorene	34			5.0	ug/L	
SLCS930		04/24/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	34			5.0	ug/L	
SLCS930		04/24/2021	1.0	100-01-6	4-Nitroaniline	35			10	ug/L	
SLCS930		04/24/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	29			10	ug/L	
SLCS930		04/24/2021	1.0	86-30-6	N-Nitrosodiphenylamine	34			5.0	ug/L	
SLCS930		04/24/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	32			5.0	ug/L	
SLCS930		04/24/2021	1.0	101-55-3	4-Bromophenyl-phenylether	35			5.0	ug/L	
SLCS930		04/24/2021	1.0	118-74-1	Hexachlorobenzene	35			5.0	ug/L	
SLCS930		04/24/2021	1.0	1912-24-9	Atrazine	31			10	ug/L	
SLCS930		04/24/2021	1.0	87-86-5	Pentachlorophenol	29			10	ug/L	
SLCS930		04/24/2021	1.0	85-01-8	Phenanthrene	34			5.0	ug/L	
SLCS930		04/24/2021	1.0	120-12-7	Anthracene	34			5.0	ug/L	
SLCS930		04/24/2021	1.0	86-74-8	Carbazole	32			10	ug/L	
SLCS930		04/24/2021	1.0	84-74-2	Di-n-butylphthalate	35			5.0	ug/L	
SLCS930		04/24/2021	1.0	206-44-0	Fluoranthene	35			5.0	ug/L	
SLCS930		04/24/2021	1.0	129-00-0	Pyrene	34			5.0	ug/L	
SLCS930		04/24/2021	1.0	85-68-7	Butylbenzylphthalate	35			5.0	ug/L	
SLCS930		04/24/2021	1.0	91-94-1	3,3-Dichlorobenzidine	26			10	ug/L	

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
SLCS930		04/24/2021	1.0	56-55-3	Benzo(a)anthracene	34			5.0	ug/L	
SLCS930		04/24/2021	1.0	218-01-9	Chrysene	34			5.0	ug/L	
SLCS930		04/24/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	36			5.0	ug/L	
SLCS930		04/24/2021	1.0	117-84-0	Di-n-octyl phthalate	35			10	ug/L	
SLCS930		04/24/2021	1.0	205-99-2	Benzo(b)fluoranthene	35			5.0	ug/L	
SLCS930		04/24/2021	1.0	207-08-9	Benzo(k)fluoranthene	35			5.0	ug/L	
SLCS930		04/24/2021	1.0	50-32-8	Benzo(a)pyrene	35			5.0	ug/L	
SLCS930		04/24/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	36			5.0	ug/L	
SLCS930		04/24/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	37			5.0	ug/L	
SLCS930		04/24/2021	1.0	191-24-2	Benzo(g,h,i)perylene	36			5.0	ug/L	
SLCS930		04/24/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	34			5.0	ug/L	
SBLK005		05/02/2021	1.0	123-91-1	1,4-Dioxane	67	U	U	67	ug/kg	
SBLK005		05/02/2021	1.0	100-52-7	Benzaldehyde	330	U	U	330	ug/kg	
SBLK005		05/02/2021	1.0	108-95-2	Phenol	330	U	U	330	ug/kg	
SBLK005		05/02/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	330	U	U	330	ug/kg	
SBLK005		05/02/2021	1.0	95-57-8	2-Chlorophenol	170	U	U	170	ug/kg	
SBLK005		05/02/2021	1.0	95-48-7	2-Methylphenol	330	U	U	330	ug/kg	
SBLK005		05/02/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	330	U	U	330	ug/kg	
SBLK005		05/02/2021	1.0	98-86-2	Acetophenone	330	U	U	330	ug/kg	
SBLK005		05/02/2021	1.0	106-44-5	4-Methylphenol	330	U	U	330	ug/kg	
SBLK005		05/02/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	170	U	U	170	ug/kg	
SBLK005		05/02/2021	1.0	67-72-1	Hexachloroethane	170	U	U	170	ug/kg	
SBLK005		05/02/2021	1.0	98-95-3	Nitrobenzene	170	U	U	170	ug/kg	
SBLK005		05/02/2021	1.0	78-59-1	Isophorone	170	U	U	170	ug/kg	
SBLK005		05/02/2021	1.0	88-75-5	2-Nitrophenol	170	U	U	170	ug/kg	
SBLK005		05/02/2021	1.0	105-67-9	2,4-Dimethylphenol	170	U	U	170	ug/kg	
SBLK005		05/02/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	170	U	U	170	ug/kg	
SBLK005		05/02/2021	1.0	120-83-2	2,4-Dichlorophenol	170	U	U	170	ug/kg	
SBLK005		05/02/2021	1.0	91-20-3	Naphthalene	170	U	U	170	ug/kg	
SBLK005		05/02/2021	1.0	106-47-8	4-Chloroaniline	330	U	U	330	ug/kg	
SBLK005		05/02/2021	1.0	87-68-3	Hexachlorobutadiene	170	U	U	170	ug/kg	
SBLK005		05/02/2021	1.0	105-60-2	Caprolactam	330	U	U	330	ug/kg	
SBLK005		05/02/2021	1.0	59-50-7	4-Chloro-3-methylphenol	170	U	U	170	ug/kg	
SBLK005		05/02/2021	1.0	90-12-0	1-Methylnaphthalene	170	U	U	170	ug/kg	
SBLK005		05/02/2021	1.0	91-57-6	2-Methylnaphthalene	170	U	U	170	ug/kg	
SBLK005		05/02/2021	1.0	77-47-4	Hexachlorocyclopentadiene	330	U	U	330	ug/kg	
SBLK005		05/02/2021	1.0	88-06-2	2,4,6-Trichlorophenol	170	U	U	170	ug/kg	
SBLK005		05/02/2021	1.0	95-95-4	2,4,5-Trichlorophenol	170	U	U	170	ug/kg	
SBLK005		05/02/2021	1.0	92-52-4	1,1-Biphenyl	170	U	U	170	ug/kg	
SBLK005		05/02/2021	1.0	91-58-7	2-Chloronaphthalene	170	U	U	170	ug/kg	
SBLK005		05/02/2021	1.0	88-74-4	2-Nitroaniline	170	U	U	170	ug/kg	
SBLK005		05/02/2021	1.0	131-11-3	Dimethylphthalate	170	U	U	170	ug/kg	
SBLK005		05/02/2021	1.0	606-20-2	2,6-Dinitrotoluene	170	U	U	170	ug/kg	
SBLK005		05/02/2021	1.0	208-96-8	Acenaphthylene	170	U	U	170	ug/kg	
SBLK005		05/02/2021	1.0	99-09-2	3-Nitroaniline	330	U	U	330	ug/kg	
SBLK005		05/02/2021	1.0	83-32-9	Acenaphthene	170	U	U	170	ug/kg	
SBLK005		05/02/2021	1.0	51-28-5	2,4-Dinitrophenol	330	U	U	330	ug/kg	
SBLK005		05/02/2021	1.0	100-02-7	4-Nitrophenol	330	U	U	330	ug/kg	
SBLK005		05/02/2021	1.0	132-64-9	Dibenzofuran	170	U	U	170	ug/kg	
SBLK005		05/02/2021	1.0	121-14-2	2,4-Dinitrotoluene	170	U	U	170	ug/kg	
SBLK005		05/02/2021	1.0	84-66-2	Diethylphthalate	170	U	U	170	ug/kg	
SBLK005		05/02/2021	1.0	86-73-7	Fluorene	170	U	U	170	ug/kg	
SBLK005		05/02/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	170	U	U	170	ug/kg	
SBLK005		05/02/2021	1.0	100-01-6	4-Nitroaniline	330	U	U	330	ug/kg	
SBLK005		05/02/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	330	U	U	330	ug/kg	
SBLK005		05/02/2021	1.0	86-30-6	N-Nitrosodiphenylamine	170	U	U	170	ug/kg	
SBLK005		05/02/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	170	U	U	170	ug/kg	
SBLK005		05/02/2021	1.0	101-55-3	4-Bromophenyl-phenylether	170	U	U	170	ug/kg	
SBLK005		05/02/2021	1.0	118-74-1	Hexachlorobenzene	170	U	U	170	ug/kg	
SBLK005		05/02/2021	1.0	1912-24-9	Atrazine	330	U	U	330	ug/kg	
SBLK005		05/02/2021	1.0	87-86-5	Pentachlorophenol	330	U	U	330	ug/kg	
SBLK005		05/02/2021	1.0	85-01-8	Phenanthrene	170	U	U	170	ug/kg	
SBLK005		05/02/2021	1.0	120-12-7	Anthracene	170	U	U	170	ug/kg	
SBLK005		05/02/2021	1.0	86-74-8	Carbazole	330	U	U	330	ug/kg	
SBLK005		05/02/2021	1.0	84-74-2	Di-n-butylphthalate	170	U	U	170	ug/kg	
SBLK005		05/02/2021	1.0	206-44-0	Fluoranthene	170	U	U	170	ug/kg	
SBLK005		05/02/2021	1.0	129-00-0	Pyrene	170	U	U	170	ug/kg	
SBLK005		05/02/2021	1.0	85-68-7	Butylbenzylphthalate	170	U	U	170	ug/kg	
SBLK005		05/02/2021	1.0	91-94-1	3,3-Dichlorobenzidine	330	U	U	330	ug/kg	
SBLK005		05/02/2021	1.0	56-55-3	Benzo(a)anthracene	170	U	U	170	ug/kg	
SBLK005		05/02/2021	1.0	218-01-9	Chrysene	170	U	U	170	ug/kg	

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
SBLK005		05/02/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	170	U	U	170	ug/kg	
SBLK005		05/02/2021	1.0	117-84-0	Di-n-octyl phthalate	330	U	U	330	ug/kg	
SBLK005		05/02/2021	1.0	205-99-2	Benzo(b)fluoranthene	170	U	U	170	ug/kg	
SBLK005		05/02/2021	1.0	207-08-9	Benzo(k)fluoranthene	170	U	U	170	ug/kg	
SBLK005		05/02/2021	1.0	50-32-8	Benzo(a)pyrene	170	U	U	170	ug/kg	
SBLK005		05/02/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	170	U	U	170	ug/kg	
SBLK005		05/02/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	170	U	U	170	ug/kg	
SBLK005		05/02/2021	1.0	191-24-2	Benzo(g,h,i)perylene	170	U	U	170	ug/kg	
SBLK005		05/02/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	170	U	U	170	ug/kg	
SBLK005		05/02/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	
SBLK930		04/24/2021	1.0	123-91-1	1,4-Dioxane	2.0	U	U	2.0	ug/L	
SBLK930		04/24/2021	1.0	100-52-7	Benzaldehyde	10	U	U	10	ug/L	
SBLK930		04/24/2021	1.0	108-95-2	Phenol	10	U	U	10	ug/L	
SBLK930		04/24/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	10	U	U	10	ug/L	
SBLK930		04/24/2021	1.0	95-57-8	2-Chlorophenol	5.0	U	U	5.0	ug/L	
SBLK930		04/24/2021	1.0	95-48-7	2-Methylphenol	10	U	U	10	ug/L	
SBLK930		04/24/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	10	U	U	10	ug/L	
SBLK930		04/24/2021	1.0	98-86-2	Acetophenone	10	U	U	10	ug/L	
SBLK930		04/24/2021	1.0	106-44-5	4-Methylphenol	10	U	U	10	ug/L	
SBLK930		04/24/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	5.0	U	U	5.0	ug/L	
SBLK930		04/24/2021	1.0	67-72-1	Hexachloroethane	5.0	U	U	5.0	ug/L	
SBLK930		04/24/2021	1.0	98-95-3	Nitrobenzene	5.0	U	U	5.0	ug/L	
SBLK930		04/24/2021	1.0	78-59-1	Isophorone	5.0	U	U	5.0	ug/L	
SBLK930		04/24/2021	1.0	88-75-5	2-Nitrophenol	5.0	U	U	5.0	ug/L	
SBLK930		04/24/2021	1.0	105-67-9	2,4-Dimethylphenol	5.0	U	U	5.0	ug/L	
SBLK930		04/24/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	5.0	U	U	5.0	ug/L	
SBLK930		04/24/2021	1.0	120-83-2	2,4-Dichlorophenol	5.0	U	U	5.0	ug/L	
SBLK930		04/24/2021	1.0	91-20-3	Naphthalene	5.0	U	U	5.0	ug/L	
SBLK930		04/24/2021	1.0	106-47-8	4-Chloroaniline	10	U	U	10	ug/L	
SBLK930		04/24/2021	1.0	87-68-3	Hexachlorobutadiene	5.0	U	U	5.0	ug/L	
SBLK930		04/24/2021	1.0	105-60-2	Caprolactam	10	U	U	10	ug/L	
SBLK930		04/24/2021	1.0	59-50-7	4-Chloro-3-methylphenol	5.0	U	U	5.0	ug/L	
SBLK930		04/24/2021	1.0	90-12-0	1-Methylnaphthalene	5.0	U	U	5.0	ug/L	
SBLK930		04/24/2021	1.0	91-57-6	2-Methylnaphthalene	5.0	U	U	5.0	ug/L	
SBLK930		04/24/2021	1.0	77-47-4	Hexachlorocyclopentadiene	10	U	U	10	ug/L	
SBLK930		04/24/2021	1.0	88-06-2	2,4,6-Trichlorophenol	5.0	U	U	5.0	ug/L	
SBLK930		04/24/2021	1.0	95-95-4	2,4,5-Trichlorophenol	5.0	U	U	5.0	ug/L	
SBLK930		04/24/2021	1.0	92-52-4	1,1-Biphenyl	5.0	U	U	5.0	ug/L	
SBLK930		04/24/2021	1.0	91-58-7	2-Chloronaphthalene	5.0	U	U	5.0	ug/L	
SBLK930		04/24/2021	1.0	88-74-4	2-Nitroaniline	5.0	U	U	5.0	ug/L	
SBLK930		04/24/2021	1.0	131-11-3	Dimethylphthalate	5.0	U	U	5.0	ug/L	
SBLK930		04/24/2021	1.0	606-20-2	2,6-Dinitrotoluene	5.0	U	U	5.0	ug/L	
SBLK930		04/24/2021	1.0	208-96-8	Acenaphthylene	5.0	U	U	5.0	ug/L	
SBLK930		04/24/2021	1.0	99-09-2	3-Nitroaniline	10	U	U	10	ug/L	
SBLK930		04/24/2021	1.0	83-32-9	Acenaphthene	5.0	U	U	5.0	ug/L	
SBLK930		04/24/2021	1.0	51-28-5	2,4-Dinitrophenol	10	U	U	10	ug/L	
SBLK930		04/24/2021	1.0	100-02-7	4-Nitrophenol	10	U	U	10	ug/L	
SBLK930		04/24/2021	1.0	132-64-9	Dibenzofuran	5.0	U	U	5.0	ug/L	
SBLK930		04/24/2021	1.0	121-14-2	2,4-Dinitrotoluene	5.0	U	U	5.0	ug/L	
SBLK930		04/24/2021	1.0	84-66-2	Diethylphthalate	5.0	U	U	5.0	ug/L	
SBLK930		04/24/2021	1.0	86-73-7	Fluorene	5.0	U	U	5.0	ug/L	
SBLK930		04/24/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	5.0	U	U	5.0	ug/L	
SBLK930		04/24/2021	1.0	100-01-6	4-Nitroaniline	10	U	U	10	ug/L	
SBLK930		04/24/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	10	U	U	10	ug/L	
SBLK930		04/24/2021	1.0	86-30-6	N-Nitrosodiphenylamine	5.0	U	U	5.0	ug/L	
SBLK930		04/24/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U	U	5.0	ug/L	
SBLK930		04/24/2021	1.0	101-55-3	4-Bromophenyl-phenylether	5.0	U	U	5.0	ug/L	
SBLK930		04/24/2021	1.0	118-74-1	Hexachlorobenzene	5.0	U	U	5.0	ug/L	
SBLK930		04/24/2021	1.0	1912-24-9	Atrazine	10	U	U	10	ug/L	
SBLK930		04/24/2021	1.0	87-86-5	Pentachlorophenol	10	U	U	10	ug/L	
SBLK930		04/24/2021	1.0	85-01-8	Phenanthrene	5.0	U	U	5.0	ug/L	
SBLK930		04/24/2021	1.0	120-12-7	Anthracene	5.0	U	U	5.0	ug/L	
SBLK930		04/24/2021	1.0	86-74-8	Carbazole	10	U	U	10	ug/L	
SBLK930		04/24/2021	1.0	84-74-2	Di-n-butylphthalate	5.0	U	U	5.0	ug/L	
SBLK930		04/24/2021	1.0	206-44-0	Fluoranthene	5.0	U	U	5.0	ug/L	
SBLK930		04/24/2021	1.0	129-00-0	Pyrene	5.0	U	U	5.0	ug/L	
SBLK930		04/24/2021	1.0	85-68-7	Butylbenzylphthalate	5.0	U	U	5.0	ug/L	
SBLK930		04/24/2021	1.0	91-94-1	3,3-Dichlorobenzidine	10	U	U	10	ug/L	
SBLK930		04/24/2021	1.0	56-55-3	Benzo(a)anthracene	5.0	U	U	5.0	ug/L	
SBLK930		04/24/2021	1.0	218-01-9	Chrysene	5.0	U	U	5.0	ug/L	
SBLK930		04/24/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U	U	5.0	ug/L	

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
SBLK930		04/24/2021	1.0	117-84-0	Di-n-octyl phthalate	10	U	U	10	ug/L	
SBLK930		04/24/2021	1.0	205-99-2	Benzo(b)fluoranthene	5.0	U	U	5.0	ug/L	
SBLK930		04/24/2021	1.0	207-08-9	Benzo(k)fluoranthene	5.0	U	U	5.0	ug/L	
SBLK930		04/24/2021	1.0	50-32-8	Benzo(a)pyrene	5.0	U	U	5.0	ug/L	
SBLK930		04/24/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U	U	5.0	ug/L	
SBLK930		04/24/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	5.0	U	U	5.0	ug/L	
SBLK930		04/24/2021	1.0	191-24-2	Benzo(g,h,i)perylene	5.0	U	U	5.0	ug/L	
SBLK930		04/24/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	5.0	U	U	5.0	ug/L	
SBLK930		04/24/2021	1.0	E966796	Total Alkanes		N	N		ug/L	
BG547	DI Water	04/20/2021	1.0	319-84-6	alpha-BHC	0.050	U	U	0.050	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	319-85-7	beta-BHC	0.050	U	U	0.050	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	319-86-8	delta-BHC	0.050	U	U	0.050	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	58-89-9	gamma-BHC (Lindane)	0.050	U	U	0.050	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	76-44-8	Heptachlor	0.050	U	U	0.050	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	309-00-2	Aldrin	0.050	U	U	0.050	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	1024-57-3	Heptachlor epoxide	0.050	U	U	0.050	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	959-98-8	Endosulfan I	0.050	U	U	0.050	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	60-57-1	Dieldrin	0.10	U	U	0.10	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	72-55-9	4,4'-DDE	0.10	U	U	0.10	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	72-20-8	Endrin	0.10	U	U	0.10	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	33213-65-9	Endosulfan II	0.10	U	U	0.10	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	72-54-8	4,4'-DDD	0.10	U	U	0.10	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	1031-07-8	Endosulfan Sulfate	0.10	U	U	0.10	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	50-29-3	4,4'-DDT	0.10	U	U	0.10	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	72-43-5	Methoxychlor	0.50	U	U	0.50	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	53494-70-5	Endrin ketone	0.10	U	U	0.10	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	7421-93-4	Endrin Aldehyde	0.10	U	U	0.10	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	5103-71-9	cis-Chlordane	0.050	U	U	0.050	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	5103-74-2	trans-Chlordane	0.050	U	U	0.050	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	8001-35-2	Toxaphene	5.0	U	U	5.0	ug/L	6100-RIN03
BG501	Sediment	04/20/2021	1.0	319-84-6	alpha-BHC	3.1	U	U	3.1	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	319-85-7	beta-BHC	3.1	U	U	3.1	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	319-86-8	delta-BHC	3.1	U	U	3.1	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	58-89-9	gamma-BHC (Lindane)	3.1	U	U	3.1	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	76-44-8	Heptachlor	3.1	U	U	3.1	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	309-00-2	Aldrin	3.1	U	U	3.1	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	1024-57-3	Heptachlor epoxide	3.1	U	U	3.1	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	959-98-8	Endosulfan I	3.1	U	U	3.1	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	60-57-1	Dieldrin	6.0	U	U	6.0	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	72-55-9	4,4'-DDE	6.0	U	U	6.0	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	72-20-8	Endrin	6.0	U	U	6.0	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	33213-65-9	Endosulfan II	6.0	U	U	6.0	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	72-54-8	4,4'-DDD	6.0	U	U	6.0	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	1031-07-8	Endosulfan Sulfate	6.0	U	U	6.0	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	50-29-3	4,4'-DDT	6.0	U	U	6.0	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	72-43-5	Methoxychlor	31	U	U	31	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	53494-70-5	Endrin ketone	6.0	U	U	6.0	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	7421-93-4	Endrin Aldehyde	6.0	U	U	6.0	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	5103-71-9	cis-Chlordane	3.1	U	U	3.1	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	5103-74-2	trans-Chlordane	3.1	U	U	3.1	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	8001-35-2	Toxaphene	310	U	U	310	ug/kg	6100-SED22A
BG502	Sediment	04/20/2021	1.0	319-84-6	alpha-BHC	3.1	U	U	3.1	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	319-85-7	beta-BHC	3.1	U	U	3.1	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	319-86-8	delta-BHC	3.1	U	U	3.1	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	58-89-9	gamma-BHC (Lindane)	3.1	U	U	3.1	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	76-44-8	Heptachlor	3.1	U	U	3.1	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	309-00-2	Aldrin	3.1	U	U	3.1	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	1024-57-3	Heptachlor epoxide	3.1	U	U	3.1	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	959-98-8	Endosulfan I	3.1	U	U	3.1	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	60-57-1	Dieldrin	6.0	U	U	6.0	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	72-55-9	4,4'-DDE	6.0	U	U	6.0	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	72-20-8	Endrin	6.0	U	U	6.0	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	33213-65-9	Endosulfan II	6.0	U	U	6.0	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	72-54-8	4,4'-DDD	6.0	U	U	6.0	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	1031-07-8	Endosulfan Sulfate	6.0	U	U	6.0	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	50-29-3	4,4'-DDT	6.0	U	U	6.0	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	72-43-5	Methoxychlor	31	U	U	31	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	53494-70-5	Endrin ketone	6.0	U	U	6.0	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	7421-93-4	Endrin Aldehyde	6.0	U	U	6.0	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	5103-71-9	cis-Chlordane	3.1	U	U	3.1	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	5103-74-2	trans-Chlordane	3.1	U	U	3.1	ug/kg	6100-SED22B

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG502	Sediment	04/20/2021	1.0	8001-35-2	Toxaphene	310	U	U	310	ug/kg	6100-SED22B
BG503	Sediment	04/20/2021	1.0	319-84-6	alpha-BHC	3.3	U	U	3.3	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	319-85-7	beta-BHC	3.3	U	U	3.3	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	319-86-8	delta-BHC	3.3	U	U	3.3	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	58-89-9	gamma-BHC (Lindane)	3.3	U	U	3.3	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	76-44-8	Heptachlor	3.3	U	U	3.3	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	309-00-2	Aldrin	3.3	U	U	3.3	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	1024-57-3	Heptachlor epoxide	3.3	U	U	3.3	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	959-98-8	Endosulfan I	3.3	U	U	3.3	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	60-57-1	Dieldrin	6.4	U	U	6.4	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	72-55-9	4,4'-DDE	6.4	U	U	6.4	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	72-20-8	Endrin	6.4	U	U	6.4	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	33213-65-9	Endosulfan II	6.4	U	U	6.4	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	72-54-8	4,4'-DDD	6.4	U	U	6.4	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	1031-07-8	Endosulfan Sulfate	6.4	U	U	6.4	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	50-29-3	4,4'-DDT	6.4	U	U	6.4	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	72-43-5	Methoxychlor	33	U	U	33	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	53494-70-5	Endrin ketone	6.4	U	U	6.4	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	7421-93-4	Endrin Aldehyde	6.4	U	U	6.4	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	5103-71-9	cis-Chlordane	3.3	U	U	3.3	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	5103-74-2	trans-Chlordane	3.3	U	U	3.3	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	8001-35-2	Toxaphene	330	U	U	330	ug/kg	6100-SED22C
BG504	Sediment	04/20/2021	1.0	319-84-6	alpha-BHC	2.2	U	U	2.2	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	319-85-7	beta-BHC	2.2	U	U	2.2	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	319-86-8	delta-BHC	2.2	U	U	2.2	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	58-89-9	gamma-BHC (Lindane)	2.2	U	U	2.2	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	76-44-8	Heptachlor	2.2	U	U	2.2	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	309-00-2	Aldrin	2.2	U	U	2.2	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	1024-57-3	Heptachlor epoxide	2.2	U	U	2.2	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	959-98-8	Endosulfan I	2.2	U	U	2.2	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	60-57-1	Dieldrin	4.2	U	U	4.2	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	72-55-9	4,4'-DDE	4.2	U	U	4.2	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	72-20-8	Endrin	4.2	U	U	4.2	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	33213-65-9	Endosulfan II	4.2	U	U	4.2	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	72-54-8	4,4'-DDD	4.2	U	U	4.2	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	1031-07-8	Endosulfan Sulfate	4.2	U	U	4.2	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	50-29-3	4,4'-DDT	4.2	U	U	4.2	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	72-43-5	Methoxychlor	22	U	U	22	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	53494-70-5	Endrin ketone	4.2	U	U	4.2	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	7421-93-4	Endrin Aldehyde	4.2	U	U	4.2	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	5103-71-9	cis-Chlordane	2.2	U	U	2.2	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	5103-74-2	trans-Chlordane	2.2	U	U	2.2	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	8001-35-2	Toxaphene	220	U	U	220	ug/kg	6100-SED23A
BG505	Sediment	04/20/2021	1.0	319-84-6	alpha-BHC	2.6	U	U	2.6	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	319-85-7	beta-BHC	2.6	U	U	2.6	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	319-86-8	delta-BHC	2.6	U	U	2.6	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	58-89-9	gamma-BHC (Lindane)	2.6	U	U	2.6	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	76-44-8	Heptachlor	2.6	U	U	2.6	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	309-00-2	Aldrin	2.6	U	U	2.6	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	1024-57-3	Heptachlor epoxide	2.6	U	U	2.6	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	959-98-8	Endosulfan I	2.6	U	U	2.6	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	60-57-1	Dieldrin	5.0	U	U	5.0	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	72-55-9	4,4'-DDE	5.0	U	U	5.0	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	72-20-8	Endrin	5.0	U	U	5.0	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	33213-65-9	Endosulfan II	5.0	U	U	5.0	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	72-54-8	4,4'-DDD	5.0	U	U	5.0	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	1031-07-8	Endosulfan Sulfate	5.0	U	U	5.0	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	50-29-3	4,4'-DDT	5.0	U	U	5.0	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	72-43-5	Methoxychlor	26	U	U	26	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	53494-70-5	Endrin ketone	5.0	U	U	5.0	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	7421-93-4	Endrin Aldehyde	5.0	U	U	5.0	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	5103-71-9	cis-Chlordane	2.6	U	U	2.6	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	5103-74-2	trans-Chlordane	2.6	U	U	2.6	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	8001-35-2	Toxaphene	260	U	U	260	ug/kg	6100-SED23B
BG506	Sediment	04/20/2021	1.0	319-84-6	alpha-BHC	2.8	U	U	2.8	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	319-85-7	beta-BHC	2.8	U	U	2.8	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	319-86-8	delta-BHC	2.8	U	U	2.8	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	58-89-9	gamma-BHC (Lindane)	2.8	U	U	2.8	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	76-44-8	Heptachlor	2.8	U	U	2.8	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	309-00-2	Aldrin	2.8	U	U	2.8	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	1024-57-3	Heptachlor epoxide	2.8	U	U	2.8	ug/kg	6100-SED23C

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG506	Sediment	04/20/2021	1.0	959-98-8	Endosulfan I	2.8	U	U	2.8	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	60-57-1	Dieldrin	5.5	U	U	5.5	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	72-55-9	4,4'-DDE	5.5	U	U	5.5	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	72-20-8	Endrin	5.5	U	U	5.5	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	33213-65-9	Endosulfan II	5.5	U	U	5.5	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	72-54-8	4,4'-DDD	5.5	U	U	5.5	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	1031-07-8	Endosulfan Sulfate	5.5	U	U	5.5	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	50-29-3	4,4'-DDT	5.5	U	U	5.5	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	72-43-5	Methoxychlor	28	U	U	28	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	53494-70-5	Endrin ketone	5.5	U	U	5.5	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	7421-93-4	Endrin Aldehyde	5.5	U	U	5.5	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	5103-71-9	cis-Chlordane	2.8	U	U	2.8	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	5103-74-2	trans-Chlordane	2.8	U	U	2.8	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	8001-35-2	Toxaphene	280	U	U	280	ug/kg	6100-SED23C
BG507	Sediment	04/20/2021	1.0	319-84-6	alpha-BHC	2.6	U	U	2.6	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	319-85-7	beta-BHC	2.6	U	U	2.6	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	319-86-8	delta-BHC	2.6	U	U	2.6	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	58-89-9	gamma-BHC (Lindane)	2.6	U	U	2.6	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	76-44-8	Heptachlor	2.6	U	U	2.6	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	309-00-2	Aldrin	2.6	U	U	2.6	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	1024-57-3	Heptachlor epoxide	2.6	U	U	2.6	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	959-98-8	Endosulfan I	2.6	U	U	2.6	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	60-57-1	Dieldrin	5.0	U	U	5.0	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	72-55-9	4,4'-DDE	5.0	U	U	5.0	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	72-20-8	Endrin	5.0	U	U	5.0	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	33213-65-9	Endosulfan II	5.0	U	U	5.0	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	72-54-8	4,4'-DDD	5.0	U	U	5.0	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	1031-07-8	Endosulfan Sulfate	5.0	U	U	5.0	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	50-29-3	4,4'-DDT	5.0	U	U	5.0	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	72-43-5	Methoxychlor	26	U	U	26	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	53494-70-5	Endrin ketone	5.0	U	U	5.0	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	7421-93-4	Endrin Aldehyde	5.0	U	U	5.0	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	5103-71-9	cis-Chlordane	2.6	U	U	2.6	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	5103-74-2	trans-Chlordane	2.6	U	U	2.6	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	8001-35-2	Toxaphene	260	U	U	260	ug/kg	6100-SED24A
BG508	Sediment	04/20/2021	1.0	319-84-6	alpha-BHC	2.9	U	U	2.9	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	319-85-7	beta-BHC	2.9	U	U	2.9	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	319-86-8	delta-BHC	2.9	U	U	2.9	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	58-89-9	gamma-BHC (Lindane)	2.9	U	U	2.9	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	76-44-8	Heptachlor	2.9	U	U	2.9	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	309-00-2	Aldrin	2.9	U	U	2.9	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	1024-57-3	Heptachlor epoxide	2.9	U	U	2.9	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	959-98-8	Endosulfan I	2.9	U	U	2.9	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	60-57-1	Dieldrin	5.6	U	U	5.6	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	72-55-9	4,4'-DDE	5.6	U	U	5.6	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	72-20-8	Endrin	5.6	U	U	5.6	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	33213-65-9	Endosulfan II	5.6	U	U	5.6	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	72-54-8	4,4'-DDD	5.6	U	U	5.6	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	1031-07-8	Endosulfan Sulfate	5.6	U	U	5.6	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	50-29-3	4,4'-DDT	5.6	U	U	5.6	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	72-43-5	Methoxychlor	29	U	U	29	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	53494-70-5	Endrin ketone	5.6	U	U	5.6	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	7421-93-4	Endrin Aldehyde	5.6	U	U	5.6	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	5103-71-9	cis-Chlordane	2.9	U	U	2.9	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	5103-74-2	trans-Chlordane	2.9	U	U	2.9	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	8001-35-2	Toxaphene	290	U	U	290	ug/kg	6100-SED24B
BG509	Sediment	04/20/2021	1.0	319-84-6	alpha-BHC	3.9	U	U	3.9	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	319-85-7	beta-BHC	3.9	U	U	3.9	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	319-86-8	delta-BHC	3.9	U	U	3.9	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	58-89-9	gamma-BHC (Lindane)	3.9	U	U	3.9	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	76-44-8	Heptachlor	3.9	U	U	3.9	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	309-00-2	Aldrin	3.9	U	U	3.9	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	1024-57-3	Heptachlor epoxide	3.9	U	U	3.9	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	959-98-8	Endosulfan I	3.9	U	U	3.9	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	60-57-1	Dieldrin	7.5	U	U	7.5	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	72-55-9	4,4'-DDE	0.52	JP	J	7.5	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	72-20-8	Endrin	7.5	U	U	7.5	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	33213-65-9	Endosulfan II	7.5	U	U	7.5	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	72-54-8	4,4'-DDD	7.5	U	U	7.5	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	1031-07-8	Endosulfan Sulfate	7.5	U	U	7.5	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	50-29-3	4,4'-DDT	7.5	U	U	7.5	ug/kg	6100-SED24C

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG509	Sediment	04/20/2021	1.0	72-43-5	Methoxychlor	39	U	U	39	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	53494-70-5	Endrin ketone	7.5	U	U	7.5	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	7421-93-4	Endrin Aldehyde	7.5	U	U	7.5	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	5103-71-9	cis-Chlordane	3.9	U	U	3.9	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	5103-74-2	trans-Chlordane	3.9	U	U	3.9	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	8001-35-2	Toxaphene	390	U	U	390	ug/kg	6100-SED24C
BG510	Sediment	04/20/2021	1.0	319-84-6	alpha-BHC	2.2	U	U	2.2	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	319-85-7	beta-BHC	2.2	U	U	2.2	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	319-86-8	delta-BHC	2.2	U	U	2.2	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	58-89-9	gamma-BHC (Lindane)	2.2	U	U	2.2	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	76-44-8	Heptachlor	2.2	U	U	2.2	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	309-00-2	Aldrin	2.2	U	U	2.2	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	1024-57-3	Heptachlor epoxide	2.2	U	U	2.2	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	959-98-8	Endosulfan I	2.2	U	U	2.2	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	60-57-1	Dieldrin	4.4	U	U	4.4	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	72-55-9	4,4'-DDE	4.4	U	U	4.4	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	72-20-8	Endrin	4.4	U	U	4.4	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	33213-65-9	Endosulfan II	4.4	U	U	4.4	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	72-54-8	4,4'-DDD	4.4	U	U	4.4	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	1031-07-8	Endosulfan Sulfate	4.4	U	U	4.4	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	50-29-3	4,4'-DDT	4.4	U	U	4.4	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	72-43-5	Methoxychlor	22	U	U	22	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	53494-70-5	Endrin ketone	4.4	U	U	4.4	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	7421-93-4	Endrin Aldehyde	4.4	U	U	4.4	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	5103-71-9	cis-Chlordane	2.2	U	U	2.2	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	5103-74-2	trans-Chlordane	2.2	U	U	2.2	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	8001-35-2	Toxaphene	220	U	U	220	ug/kg	6100-SED25A
BG511	Sediment	04/20/2021	1.0	319-84-6	alpha-BHC	3.0	U	U	3.0	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	319-85-7	beta-BHC	3.0	U	U	3.0	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	319-86-8	delta-BHC	3.0	U	U	3.0	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	58-89-9	gamma-BHC (Lindane)	3.0	U	U	3.0	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	76-44-8	Heptachlor	3.0	U	U	3.0	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	309-00-2	Aldrin	3.0	U	U	3.0	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	1024-57-3	Heptachlor epoxide	3.0	U	U	3.0	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	959-98-8	Endosulfan I	3.0	U	U	3.0	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	60-57-1	Dieldrin	5.8	U	U	5.8	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	72-55-9	4,4'-DDE	5.8	U	U	5.8	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	72-20-8	Endrin	5.8	U	U	5.8	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	33213-65-9	Endosulfan II	5.8	U	U	5.8	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	72-54-8	4,4'-DDD	5.8	U	U	5.8	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	1031-07-8	Endosulfan Sulfate	5.8	U	U	5.8	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	50-29-3	4,4'-DDT	5.8	U	U	5.8	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	72-43-5	Methoxychlor	30	U	U	30	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	53494-70-5	Endrin ketone	5.8	U	U	5.8	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	7421-93-4	Endrin Aldehyde	5.8	U	U	5.8	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	5103-71-9	cis-Chlordane	3.0	U	U	3.0	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	5103-74-2	trans-Chlordane	3.0	U	U	3.0	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	8001-35-2	Toxaphene	300	U	U	300	ug/kg	6100-SED25B
BG512	Sediment	04/20/2021	1.0	319-84-6	alpha-BHC	6.5	U	UJ	6.5	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	319-85-7	beta-BHC	6.5	U	UJ	6.5	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	319-86-8	delta-BHC	6.5	U	UJ	6.5	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	58-89-9	gamma-BHC (Lindane)	6.5	U	UJ	6.5	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	76-44-8	Heptachlor	6.5	U	UJ	6.5	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	309-00-2	Aldrin	6.5	U	UJ	6.5	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	1024-57-3	Heptachlor epoxide	6.5	U	UJ	6.5	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	959-98-8	Endosulfan I	6.5	U	UJ	6.5	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	60-57-1	Dieldrin	13	U	UJ	13	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	72-55-9	4,4'-DDE	13	U	UJ	13	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	72-20-8	Endrin	13	U	UJ	13	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	33213-65-9	Endosulfan II	13	U	UJ	13	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	72-54-8	4,4'-DDD	13	U	UJ	13	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	1031-07-8	Endosulfan Sulfate	13	U	UJ	13	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	50-29-3	4,4'-DDT	13	U	UJ	13	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	72-43-5	Methoxychlor	65	U	UJ	65	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	53494-70-5	Endrin ketone	13	U	UJ	13	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	7421-93-4	Endrin Aldehyde	13	U	UJ	13	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	5103-71-9	cis-Chlordane	6.5	U	UJ	6.5	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	5103-74-2	trans-Chlordane	6.5	U	UJ	6.5	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	8001-35-2	Toxaphene	650	U	UJ	650	ug/kg	6100-SED25C
BG513	Sediment	04/20/2021	1.0	319-84-6	alpha-BHC	2.2	U	U	2.2	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	319-85-7	beta-BHC	2.2	U	U	2.2	ug/kg	6100-SED26A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG513	Sediment	04/20/2021	1.0	319-86-8	delta-BHC	2.2	U	U	2.2	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	58-89-9	gamma-BHC (Lindane)	2.2	U	U	2.2	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	76-44-8	Heptachlor	2.2	U	U	2.2	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	309-00-2	Aldrin	2.2	U	U	2.2	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	1024-57-3	Heptachlor epoxide	2.2	U	U	2.2	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	959-98-8	Endosulfan I	2.2	U	U	2.2	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	60-57-1	Dieldrin	4.3	U	U	4.3	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	72-55-9	4,4'-DDE	4.3	U	U	4.3	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	72-20-8	Endrin	4.3	U	U	4.3	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	33213-65-9	Endosulfan II	4.3	U	U	4.3	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	72-54-8	4,4'-DDD	4.3	U	U	4.3	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	1031-07-8	Endosulfan Sulfate	4.3	U	U	4.3	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	50-29-3	4,4'-DDT	4.3	U	U	4.3	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	72-43-5	Methoxychlor	22	U	U	22	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	53494-70-5	Endrin ketone	4.3	U	U	4.3	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	7421-93-4	Endrin Aldehyde	4.3	U	U	4.3	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	5103-71-9	cis-Chlordane	2.2	U	U	2.2	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	5103-74-2	trans-Chlordane	2.2	U	U	2.2	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	8001-35-2	Toxaphene	220	U	U	220	ug/kg	6100-SED26A
BG573	Sediment	04/20/2021	1.0	319-84-6	alpha-BHC	2.1	U	U	2.1	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	319-85-7	beta-BHC	2.1	U	U	2.1	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	319-86-8	delta-BHC	2.1	U	U	2.1	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	58-89-9	gamma-BHC (Lindane)	2.1	U	U	2.1	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	76-44-8	Heptachlor	2.1	U	U	2.1	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	309-00-2	Aldrin	2.1	U	U	2.1	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	1024-57-3	Heptachlor epoxide	2.1	U	U	2.1	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	959-98-8	Endosulfan I	2.1	U	U	2.1	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	60-57-1	Dieldrin	4.0	U	U	4.0	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	72-55-9	4,4'-DDE	4.0	U	U	4.0	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	72-20-8	Endrin	4.0	U	U	4.0	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	33213-65-9	Endosulfan II	4.0	U	U	4.0	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	72-54-8	4,4'-DDD	4.0	U	U	4.0	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	1031-07-8	Endosulfan Sulfate	4.0	U	U	4.0	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	50-29-3	4,4'-DDT	4.0	U	U	4.0	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	72-43-5	Methoxychlor	21	U	U	21	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	53494-70-5	Endrin ketone	4.0	U	U	4.0	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	7421-93-4	Endrin Aldehyde	4.0	U	U	4.0	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	5103-71-9	cis-Chlordane	2.1	U	U	2.1	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	5103-74-2	trans-Chlordane	2.1	U	U	2.1	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	8001-35-2	Toxaphene	210	U	U	210	ug/kg	6100-SED06A
BG574	Sediment	04/20/2021	1.0	319-84-6	alpha-BHC	2.1	U	U	2.1	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	319-85-7	beta-BHC	2.1	U	U	2.1	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	319-86-8	delta-BHC	2.1	U	U	2.1	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	58-89-9	gamma-BHC (Lindane)	2.1	U	U	2.1	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	76-44-8	Heptachlor	2.1	U	U	2.1	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	309-00-2	Aldrin	2.1	U	U	2.1	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	1024-57-3	Heptachlor epoxide	2.1	U	U	2.1	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	959-98-8	Endosulfan I	2.1	U	U	2.1	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	60-57-1	Dieldrin	4.1	U	U	4.1	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	72-55-9	4,4'-DDE	4.1	U	U	4.1	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	72-20-8	Endrin	4.1	U	U	4.1	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	33213-65-9	Endosulfan II	4.1	U	U	4.1	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	72-54-8	4,4'-DDD	4.1	U	U	4.1	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	1031-07-8	Endosulfan Sulfate	4.1	U	U	4.1	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	50-29-3	4,4'-DDT	4.1	U	U	4.1	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	72-43-5	Methoxychlor	21	U	U	21	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	53494-70-5	Endrin ketone	4.1	U	U	4.1	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	7421-93-4	Endrin Aldehyde	4.1	U	U	4.1	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	5103-71-9	cis-Chlordane	2.1	U	U	2.1	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	5103-74-2	trans-Chlordane	2.1	U	U	2.1	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	8001-35-2	Toxaphene	210	U	U	210	ug/kg	6100-SED06B
BG575	Sediment	04/20/2021	1.0	319-84-6	alpha-BHC	2.2	U	U	2.2	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	319-85-7	beta-BHC	2.2	U	U	2.2	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	319-86-8	delta-BHC	2.2	U	U	2.2	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	58-89-9	gamma-BHC (Lindane)	2.2	U	U	2.2	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	76-44-8	Heptachlor	2.2	U	U	2.2	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	309-00-2	Aldrin	2.2	U	U	2.2	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	1024-57-3	Heptachlor epoxide	2.2	U	U	2.2	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	959-98-8	Endosulfan I	2.2	U	U	2.2	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	60-57-1	Dieldrin	4.4	U	U	4.4	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	72-55-9	4,4'-DDE	4.4	U	U	4.4	ug/kg	6100-SED06C

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG575	Sediment	04/20/2021	1.0	72-20-8	Endrin	4.4	U	U	4.4	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	33213-65-9	Endosulfan II	4.4	U	U	4.4	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	72-54-8	4,4'-DDD	4.4	U	U	4.4	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	1031-07-8	Endosulfan Sulfate	4.4	U	U	4.4	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	50-29-3	4,4'-DDT	4.4	U	U	4.4	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	72-43-5	Methoxychlor	22	U	U	22	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	53494-70-5	Endrin ketone	4.4	U	U	4.4	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	7421-93-4	Endrin Aldehyde	4.4	U	U	4.4	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	5103-71-9	cis-Chlordane	2.2	U	U	2.2	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	5103-74-2	trans-Chlordane	2.2	U	U	2.2	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	8001-35-2	Toxaphene	220	U	U	220	ug/kg	6100-SED06C
PLCS006		04/30/2021	1.0	8001-35-2	Toxaphene	170	U	U	170	ug/kg	
PLCS006		04/30/2021	1.0	319-84-6	alpha-BHC	1.5	J	J	1.7	ug/kg	
PLCS006		04/30/2021	1.0	319-85-7	beta-BHC	1.5	J	J	1.7	ug/kg	
PLCS006		04/30/2021	1.0	319-86-8	delta-BHC	1.5	J	J	1.7	ug/kg	
PLCS006		04/30/2021	1.0	58-89-9	gamma-BHC (Lindane)	1.6	J	J	1.7	ug/kg	
PLCS006		04/30/2021	1.0	76-44-8	Heptachlor	1.5	J	J	1.7	ug/kg	
PLCS006		04/30/2021	1.0	309-00-2	Aldrin	1.5	J	J	1.7	ug/kg	
PLCS006		04/30/2021	1.0	1024-57-3	Heptachlor epoxide	1.6	J	J	1.7	ug/kg	
PLCS006		04/30/2021	1.0	959-98-8	Endosulfan I	1.5	J	J	1.7	ug/kg	
PLCS006		04/30/2021	1.0	60-57-1	Dieldrin	3.0	J	J	3.3	ug/kg	
PLCS006		04/30/2021	1.0	72-55-9	4,4'-DDE	2.9	J	J	3.3	ug/kg	
PLCS006		04/30/2021	1.0	72-20-8	Endrin	3.0	J	J	3.3	ug/kg	
PLCS006		04/30/2021	1.0	33213-65-9	Endosulfan II	3.2	J	J	3.3	ug/kg	
PLCS006		04/30/2021	1.0	72-54-8	4,4'-DDD	3.0	J	J	3.3	ug/kg	
PLCS006		04/30/2021	1.0	1031-07-8	Endosulfan Sulfate	2.9	J	J	3.3	ug/kg	
PLCS006		04/30/2021	1.0	50-29-3	4,4'-DDT	2.5	J	J	3.3	ug/kg	
PLCS006		04/30/2021	1.0	72-43-5	Methoxychlor	15	J	J	17	ug/kg	
PLCS006		04/30/2021	1.0	53494-70-5	Endrin ketone	3.1	J	J	3.3	ug/kg	
PLCS006		04/30/2021	1.0	7421-93-4	Endrin Aldehyde	3.3			3.3	ug/kg	
PLCS006		04/30/2021	1.0	5103-71-9	cis-Chlordane	1.5	J	J	1.7	ug/kg	
PLCS006		04/30/2021	1.0	5103-74-2	trans-Chlordane	1.5	J	J	1.7	ug/kg	
PLCS929		04/29/2021	1.0	8001-35-2	Toxaphene	5.0	U	U	5.0	ug/L	
PLCS929		04/29/2021	1.0	319-84-6	alpha-BHC	0.040	J	J	0.050	ug/L	
PLCS929		04/29/2021	1.0	319-85-7	beta-BHC	0.042	J	J	0.050	ug/L	
PLCS929		04/29/2021	1.0	319-86-8	delta-BHC	0.040	JP	J	0.050	ug/L	
PLCS929		04/29/2021	1.0	58-89-9	gamma-BHC (Lindane)	0.043	J	J	0.050	ug/L	
PLCS929		04/29/2021	1.0	76-44-8	Heptachlor	0.043	J	J	0.050	ug/L	
PLCS929		04/29/2021	1.0	309-00-2	Aldrin	0.042	J	J	0.050	ug/L	
PLCS929		04/29/2021	1.0	1024-57-3	Heptachlor epoxide	0.042	J	J	0.050	ug/L	
PLCS929		04/29/2021	1.0	959-98-8	Endosulfan I	0.041	J	J	0.050	ug/L	
PLCS929		04/29/2021	1.0	60-57-1	Dieldrin	0.081	J	J	0.10	ug/L	
PLCS929		04/29/2021	1.0	72-55-9	4,4'-DDE	0.079	J	J	0.10	ug/L	
PLCS929		04/29/2021	1.0	72-20-8	Endrin	0.089	J	J	0.10	ug/L	
PLCS929		04/29/2021	1.0	33213-65-9	Endosulfan II	0.086	J	J	0.10	ug/L	
PLCS929		04/29/2021	1.0	72-54-8	4,4'-DDD	0.081	JP	J	0.10	ug/L	
PLCS929		04/29/2021	1.0	1031-07-8	Endosulfan Sulfate	0.081	J	J	0.10	ug/L	
PLCS929		04/29/2021	1.0	50-29-3	4,4'-DDT	0.073	J	J	0.10	ug/L	
PLCS929		04/29/2021	1.0	72-43-5	Methoxychlor	0.43	J	J	0.50	ug/L	
PLCS929		04/29/2021	1.0	53494-70-5	Endrin ketone	0.088	J	J	0.10	ug/L	
PLCS929		04/29/2021	1.0	7421-93-4	Endrin Aldehyde	0.090	J	J	0.10	ug/L	
PLCS929		04/29/2021	1.0	5103-71-9	cis-Chlordane	0.041	J	J	0.050	ug/L	
PLCS929		04/29/2021	1.0	5103-74-2	trans-Chlordane	0.041	J	J	0.050	ug/L	
BG502MS	Sediment	04/20/2021	1.0	8001-35-2	Toxaphene	310	U	U	310	ug/kg	6100-SED22B
BG502MS	Sediment	04/20/2021	1.0	319-84-6	alpha-BHC	18	*		3.1	ug/kg	6100-SED22B
BG502MS	Sediment	04/20/2021	1.0	319-85-7	beta-BHC	20	*		3.1	ug/kg	6100-SED22B
BG502MS	Sediment	04/20/2021	1.0	319-86-8	delta-BHC	8.7	*		3.1	ug/kg	6100-SED22B
BG502MS	Sediment	04/20/2021	1.0	58-89-9	gamma-BHC (Lindane)	20			3.1	ug/kg	6100-SED22B
BG502MS	Sediment	04/20/2021	1.0	76-44-8	Heptachlor	20			3.1	ug/kg	6100-SED22B
BG502MS	Sediment	04/20/2021	1.0	309-00-2	Aldrin	20			3.1	ug/kg	6100-SED22B
BG502MS	Sediment	04/20/2021	1.0	1024-57-3	Heptachlor epoxide	19	*		3.1	ug/kg	6100-SED22B
BG502MS	Sediment	04/20/2021	1.0	959-98-8	Endosulfan I	20	*		3.1	ug/kg	6100-SED22B
BG502MS	Sediment	04/20/2021	1.0	60-57-1	Dieldrin	41			6.0	ug/kg	6100-SED22B
BG502MS	Sediment	04/20/2021	1.0	72-55-9	4,4'-DDE	41	*		6.0	ug/kg	6100-SED22B
BG502MS	Sediment	04/20/2021	1.0	72-20-8	Endrin	42			6.0	ug/kg	6100-SED22B
BG502MS	Sediment	04/20/2021	1.0	33213-65-9	Endosulfan II	43	*		6.0	ug/kg	6100-SED22B
BG502MS	Sediment	04/20/2021	1.0	72-54-8	4,4'-DDD	44	*		6.0	ug/kg	6100-SED22B
BG502MS	Sediment	04/20/2021	1.0	1031-07-8	Endosulfan Sulfate	35	*		6.0	ug/kg	6100-SED22B
BG502MS	Sediment	04/20/2021	1.0	50-29-3	4,4'-DDT	41			6.0	ug/kg	6100-SED22B
BG502MS	Sediment	04/20/2021	1.0	72-43-5	Methoxychlor	200	*		31	ug/kg	6100-SED22B
BG502MS	Sediment	04/20/2021	1.0	53494-70-5	Endrin ketone	42	*		6.0	ug/kg	6100-SED22B

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG502MS	Sediment	04/20/2021	1.0	7421-93-4	Endrin Aldehyde	41	*		6.0	ug/kg	6100-SED22B
BG502MS	Sediment	04/20/2021	1.0	5103-71-9	cis-Chlordane	20	*		3.1	ug/kg	6100-SED22B
BG502MS	Sediment	04/20/2021	1.0	5103-74-2	trans-Chlordane	19	*		3.1	ug/kg	6100-SED22B
BG502MSD	Sediment	04/20/2021	1.0	8001-35-2	Toxaphene	310	U	U	310	ug/kg	6100-SED22B
BG502MSD	Sediment	04/20/2021	1.0	319-84-6	alpha-BHC	18	*		3.1	ug/kg	6100-SED22B
BG502MSD	Sediment	04/20/2021	1.0	319-85-7	beta-BHC	19	*		3.1	ug/kg	6100-SED22B
BG502MSD	Sediment	04/20/2021	1.0	319-86-8	delta-BHC	9.0	*		3.1	ug/kg	6100-SED22B
BG502MSD	Sediment	04/20/2021	1.0	58-89-9	gamma-BHC (Lindane)	19			3.1	ug/kg	6100-SED22B
BG502MSD	Sediment	04/20/2021	1.0	76-44-8	Heptachlor	20	P	J	3.1	ug/kg	6100-SED22B
BG502MSD	Sediment	04/20/2021	1.0	309-00-2	Aldrin	20			3.1	ug/kg	6100-SED22B
BG502MSD	Sediment	04/20/2021	1.0	1024-57-3	Heptachlor epoxide	19	*		3.1	ug/kg	6100-SED22B
BG502MSD	Sediment	04/20/2021	1.0	959-98-8	Endosulfan I	20	*		3.1	ug/kg	6100-SED22B
BG502MSD	Sediment	04/20/2021	1.0	60-57-1	Dieldrin	41			6.0	ug/kg	6100-SED22B
BG502MSD	Sediment	04/20/2021	1.0	72-55-9	4,4'-DDE	40	*		6.0	ug/kg	6100-SED22B
BG502MSD	Sediment	04/20/2021	1.0	72-20-8	Endrin	41			6.0	ug/kg	6100-SED22B
BG502MSD	Sediment	04/20/2021	1.0	33213-65-9	Endosulfan II	43	*		6.0	ug/kg	6100-SED22B
BG502MSD	Sediment	04/20/2021	1.0	72-54-8	4,4'-DDD	43	*		6.0	ug/kg	6100-SED22B
BG502MSD	Sediment	04/20/2021	1.0	1031-07-8	Endosulfan Sulfate	35	*		6.0	ug/kg	6100-SED22B
BG502MSD	Sediment	04/20/2021	1.0	50-29-3	4,4'-DDT	41			6.0	ug/kg	6100-SED22B
BG502MSD	Sediment	04/20/2021	1.0	72-43-5	Methoxychlor	200	*		31	ug/kg	6100-SED22B
BG502MSD	Sediment	04/20/2021	1.0	53494-70-5	Endrin ketone	42	*		6.0	ug/kg	6100-SED22B
BG502MSD	Sediment	04/20/2021	1.0	7421-93-4	Endrin Aldehyde	40	*		6.0	ug/kg	6100-SED22B
BG502MSD	Sediment	04/20/2021	1.0	5103-71-9	cis-Chlordane	20	*		3.1	ug/kg	6100-SED22B
BG502MSD	Sediment	04/20/2021	1.0	5103-74-2	trans-Chlordane	18	*		3.1	ug/kg	6100-SED22B
PBLK006		04/30/2021	1.0	319-84-6	alpha-BHC	1.7	U	U	1.7	ug/kg	
PBLK006		04/30/2021	1.0	319-85-7	beta-BHC	1.7	U	U	1.7	ug/kg	
PBLK006		04/30/2021	1.0	319-86-8	delta-BHC	1.7	U	U	1.7	ug/kg	
PBLK006		04/30/2021	1.0	58-89-9	gamma-BHC (Lindane)	1.7	U	U	1.7	ug/kg	
PBLK006		04/30/2021	1.0	76-44-8	Heptachlor	1.7	U	U	1.7	ug/kg	
PBLK006		04/30/2021	1.0	309-00-2	Aldrin	1.7	U	U	1.7	ug/kg	
PBLK006		04/30/2021	1.0	1024-57-3	Heptachlor epoxide	1.7	U	U	1.7	ug/kg	
PBLK006		04/30/2021	1.0	959-98-8	Endosulfan I	1.7	U	U	1.7	ug/kg	
PBLK006		04/30/2021	1.0	60-57-1	Dieldrin	3.3	U	U	3.3	ug/kg	
PBLK006		04/30/2021	1.0	72-55-9	4,4'-DDE	3.3	U	U	3.3	ug/kg	
PBLK006		04/30/2021	1.0	72-20-8	Endrin	3.3	U	U	3.3	ug/kg	
PBLK006		04/30/2021	1.0	33213-65-9	Endosulfan II	3.3	U	U	3.3	ug/kg	
PBLK006		04/30/2021	1.0	72-54-8	4,4'-DDD	3.3	U	U	3.3	ug/kg	
PBLK006		04/30/2021	1.0	1031-07-8	Endosulfan Sulfate	3.3	U	U	3.3	ug/kg	
PBLK006		04/30/2021	1.0	50-29-3	4,4'-DDT	3.3	U	U	3.3	ug/kg	
PBLK006		04/30/2021	1.0	72-43-5	Methoxychlor	17	U	U	17	ug/kg	
PBLK006		04/30/2021	1.0	53494-70-5	Endrin ketone	3.3	U	U	3.3	ug/kg	
PBLK006		04/30/2021	1.0	7421-93-4	Endrin Aldehyde	3.3	U	U	3.3	ug/kg	
PBLK006		04/30/2021	1.0	5103-71-9	cis-Chlordane	1.7	U	U	1.7	ug/kg	
PBLK006		04/30/2021	1.0	5103-74-2	trans-Chlordane	1.7	U	U	1.7	ug/kg	
PBLK006		04/30/2021	1.0	8001-35-2	Toxaphene	170	U	U	170	ug/kg	
PBLK929		04/29/2021	1.0	319-84-6	alpha-BHC	0.050	U	U	0.050	ug/L	
PBLK929		04/29/2021	1.0	319-85-7	beta-BHC	0.050	U	U	0.050	ug/L	
PBLK929		04/29/2021	1.0	319-86-8	delta-BHC	0.050	U	U	0.050	ug/L	
PBLK929		04/29/2021	1.0	58-89-9	gamma-BHC (Lindane)	0.050	U	U	0.050	ug/L	
PBLK929		04/29/2021	1.0	76-44-8	Heptachlor	0.050	U	U	0.050	ug/L	
PBLK929		04/29/2021	1.0	309-00-2	Aldrin	0.050	U	U	0.050	ug/L	
PBLK929		04/29/2021	1.0	1024-57-3	Heptachlor epoxide	0.050	U	U	0.050	ug/L	
PBLK929		04/29/2021	1.0	959-98-8	Endosulfan I	0.050	U	U	0.050	ug/L	
PBLK929		04/29/2021	1.0	60-57-1	Dieldrin	0.10	U	U	0.10	ug/L	
PBLK929		04/29/2021	1.0	72-55-9	4,4'-DDE	0.10	U	U	0.10	ug/L	
PBLK929		04/29/2021	1.0	72-20-8	Endrin	0.10	U	U	0.10	ug/L	
PBLK929		04/29/2021	1.0	33213-65-9	Endosulfan II	0.10	U	U	0.10	ug/L	
PBLK929		04/29/2021	1.0	72-54-8	4,4'-DDD	0.10	U	U	0.10	ug/L	
PBLK929		04/29/2021	1.0	1031-07-8	Endosulfan Sulfate	0.10	U	U	0.10	ug/L	
PBLK929		04/29/2021	1.0	50-29-3	4,4'-DDT	0.10	U	U	0.10	ug/L	
PBLK929		04/29/2021	1.0	72-43-5	Methoxychlor	0.50	U	U	0.50	ug/L	
PBLK929		04/29/2021	1.0	53494-70-5	Endrin ketone	0.10	U	U	0.10	ug/L	
PBLK929		04/29/2021	1.0	7421-93-4	Endrin Aldehyde	0.10	U	U	0.10	ug/L	
PBLK929		04/29/2021	1.0	5103-71-9	cis-Chlordane	0.050	U	U	0.050	ug/L	
PBLK929		04/29/2021	1.0	5103-74-2	trans-Chlordane	0.050	U	U	0.050	ug/L	
PBLK929		04/29/2021	1.0	8001-35-2	Toxaphene	5.0	U	U	5.0	ug/L	
BG547	DI Water	04/20/2021	1.0	12674-11-2	Aroclor-1016	1.0	U	U	1.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	11104-28-2	Aroclor-1221	1.0	U	U	1.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	11141-16-5	Aroclor-1232	1.0	U	U	1.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	53469-21-9	Aroclor-1242	1.0	U	U	1.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	12672-29-6	Aroclor-1248	1.0	U	U	1.0	ug/L	6100-RIN03

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG547	DI Water	04/20/2021	1.0	11097-69-1	Aroclor-1254	1.0	U	U	1.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	11096-82-5	Aroclor-1260	1.0	U	U	1.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	37324-23-5	Aroclor-1262	1.0	U	U	1.0	ug/L	6100-RIN03
BG547	DI Water	04/20/2021	1.0	11100-14-4	Aroclor-1268	1.0	U	U	1.0	ug/L	6100-RIN03
BG501	Sediment	04/20/2021	1.0	12674-11-2	Aroclor-1016	60	U	U	60	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	11104-28-2	Aroclor-1221	60	U	U	60	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	11141-16-5	Aroclor-1232	60	U	U	60	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	53469-21-9	Aroclor-1242	60	U	U	60	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	12672-29-6	Aroclor-1248	60	U	U	60	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	11097-69-1	Aroclor-1254	60	U	U	60	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	11096-82-5	Aroclor-1260	60	U	U	60	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	37324-23-5	Aroclor-1262	60	U	U	60	ug/kg	6100-SED22A
BG501	Sediment	04/20/2021	1.0	11100-14-4	Aroclor-1268	60	U	U	60	ug/kg	6100-SED22A
BG502	Sediment	04/20/2021	1.0	12674-11-2	Aroclor-1016	61	U	U	61	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	11104-28-2	Aroclor-1221	61	U	U	61	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	11141-16-5	Aroclor-1232	61	U	U	61	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	53469-21-9	Aroclor-1242	61	U	U	61	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	12672-29-6	Aroclor-1248	61	U	U	61	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	11097-69-1	Aroclor-1254	61	U	U	61	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	11096-82-5	Aroclor-1260	61	U	U	61	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	37324-23-5	Aroclor-1262	61	U	U	61	ug/kg	6100-SED22B
BG502	Sediment	04/20/2021	1.0	11100-14-4	Aroclor-1268	61	U	U	61	ug/kg	6100-SED22B
BG503	Sediment	04/20/2021	1.0	12674-11-2	Aroclor-1016	64	U	U	64	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	11104-28-2	Aroclor-1221	64	U	U	64	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	11141-16-5	Aroclor-1232	64	U	U	64	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	53469-21-9	Aroclor-1242	64	U	U	64	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	12672-29-6	Aroclor-1248	64	U	U	64	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	11097-69-1	Aroclor-1254	64	U	U	64	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	11096-82-5	Aroclor-1260	64	U	U	64	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	37324-23-5	Aroclor-1262	64	U	U	64	ug/kg	6100-SED22C
BG503	Sediment	04/20/2021	1.0	11100-14-4	Aroclor-1268	64	U	U	64	ug/kg	6100-SED22C
BG504	Sediment	04/20/2021	1.0	12674-11-2	Aroclor-1016	42	U	U	42	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	11104-28-2	Aroclor-1221	42	U	U	42	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	11141-16-5	Aroclor-1232	42	U	U	42	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	53469-21-9	Aroclor-1242	42	U	U	42	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	12672-29-6	Aroclor-1248	42	U	U	42	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	11097-69-1	Aroclor-1254	42	U	U	42	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	11096-82-5	Aroclor-1260	42	U	U	42	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	37324-23-5	Aroclor-1262	42	U	U	42	ug/kg	6100-SED23A
BG504	Sediment	04/20/2021	1.0	11100-14-4	Aroclor-1268	42	U	U	42	ug/kg	6100-SED23A
BG505	Sediment	04/20/2021	1.0	12674-11-2	Aroclor-1016	50	U	U	50	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	11104-28-2	Aroclor-1221	50	U	U	50	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	11141-16-5	Aroclor-1232	50	U	U	50	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	53469-21-9	Aroclor-1242	50	U	U	50	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	12672-29-6	Aroclor-1248	50	U	U	50	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	11097-69-1	Aroclor-1254	50	U	U	50	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	11096-82-5	Aroclor-1260	50	U	U	50	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	37324-23-5	Aroclor-1262	50	U	U	50	ug/kg	6100-SED23B
BG505	Sediment	04/20/2021	1.0	11100-14-4	Aroclor-1268	50	U	U	50	ug/kg	6100-SED23B
BG506	Sediment	04/20/2021	1.0	12674-11-2	Aroclor-1016	55	U	U	55	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	11104-28-2	Aroclor-1221	55	U	U	55	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	11141-16-5	Aroclor-1232	55	U	U	55	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	53469-21-9	Aroclor-1242	55	U	U	55	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	12672-29-6	Aroclor-1248	55	U	U	55	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	11097-69-1	Aroclor-1254	55	U	U	55	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	11096-82-5	Aroclor-1260	55	U	U	55	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	37324-23-5	Aroclor-1262	55	U	U	55	ug/kg	6100-SED23C
BG506	Sediment	04/20/2021	1.0	11100-14-4	Aroclor-1268	55	U	U	55	ug/kg	6100-SED23C
BG507	Sediment	04/20/2021	1.0	12674-11-2	Aroclor-1016	51	U	U	51	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	11104-28-2	Aroclor-1221	51	U	U	51	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	11141-16-5	Aroclor-1232	51	U	U	51	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	53469-21-9	Aroclor-1242	51	U	U	51	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	12672-29-6	Aroclor-1248	51	U	U	51	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	11097-69-1	Aroclor-1254	51	U	U	51	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	11096-82-5	Aroclor-1260	51	U	U	51	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	37324-23-5	Aroclor-1262	51	U	U	51	ug/kg	6100-SED24A
BG507	Sediment	04/20/2021	1.0	11100-14-4	Aroclor-1268	51	U	U	51	ug/kg	6100-SED24A
BG508	Sediment	04/20/2021	1.0	12674-11-2	Aroclor-1016	56	U	U	56	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	11104-28-2	Aroclor-1221	56	U	U	56	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	11141-16-5	Aroclor-1232	56	U	U	56	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	53469-21-9	Aroclor-1242	56	U	U	56	ug/kg	6100-SED24B

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG508	Sediment	04/20/2021	1.0	12672-29-6	Aroclor-1248	56	U	U	56	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	11097-69-1	Aroclor-1254	56	U	U	56	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	11096-82-5	Aroclor-1260	56	U	U	56	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	37324-23-5	Aroclor-1262	56	U	U	56	ug/kg	6100-SED24B
BG508	Sediment	04/20/2021	1.0	11100-14-4	Aroclor-1268	56	U	U	56	ug/kg	6100-SED24B
BG509	Sediment	04/20/2021	1.0	12674-11-2	Aroclor-1016	75	U	U	75	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	11104-28-2	Aroclor-1221	75	U	U	75	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	11141-16-5	Aroclor-1232	75	U	U	75	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	53469-21-9	Aroclor-1242	75	U	U	75	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	12672-29-6	Aroclor-1248	61	J	J	75	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	11097-69-1	Aroclor-1254	31	J	J	75	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	11096-82-5	Aroclor-1260	75	U	U	75	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	37324-23-5	Aroclor-1262	75	U	U	75	ug/kg	6100-SED24C
BG509	Sediment	04/20/2021	1.0	11100-14-4	Aroclor-1268	75	U	U	75	ug/kg	6100-SED24C
BG510	Sediment	04/20/2021	1.0	12674-11-2	Aroclor-1016	44	U	U	44	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	11104-28-2	Aroclor-1221	44	U	U	44	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	11141-16-5	Aroclor-1232	44	U	U	44	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	53469-21-9	Aroclor-1242	44	U	U	44	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	12672-29-6	Aroclor-1248	44	U	U	44	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	11097-69-1	Aroclor-1254	44	U	U	44	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	11096-82-5	Aroclor-1260	44	U	U	44	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	37324-23-5	Aroclor-1262	44	U	U	44	ug/kg	6100-SED25A
BG510	Sediment	04/20/2021	1.0	11100-14-4	Aroclor-1268	44	U	U	44	ug/kg	6100-SED25A
BG511	Sediment	04/20/2021	1.0	12674-11-2	Aroclor-1016	58	U	U	58	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	11104-28-2	Aroclor-1221	58	U	U	58	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	11141-16-5	Aroclor-1232	58	U	U	58	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	53469-21-9	Aroclor-1242	58	U	U	58	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	12672-29-6	Aroclor-1248	58	U	U	58	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	11097-69-1	Aroclor-1254	58	U	U	58	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	11096-82-5	Aroclor-1260	58	U	U	58	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	37324-23-5	Aroclor-1262	58	U	U	58	ug/kg	6100-SED25B
BG511	Sediment	04/20/2021	1.0	11100-14-4	Aroclor-1268	58	U	U	58	ug/kg	6100-SED25B
BG512	Sediment	04/20/2021	1.0	12674-11-2	Aroclor-1016	130	U	UJ	130	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	11104-28-2	Aroclor-1221	130	U	UJ	130	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	11141-16-5	Aroclor-1232	130	U	UJ	130	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	53469-21-9	Aroclor-1242	130	U	UJ	130	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	12672-29-6	Aroclor-1248	130	U	UJ	130	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	11097-69-1	Aroclor-1254	130	U	UJ	130	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	11096-82-5	Aroclor-1260	130	U	UJ	130	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	37324-23-5	Aroclor-1262	130	U	UJ	130	ug/kg	6100-SED25C
BG512	Sediment	04/20/2021	1.0	11100-14-4	Aroclor-1268	130	U	UJ	130	ug/kg	6100-SED25C
BG513	Sediment	04/20/2021	1.0	12674-11-2	Aroclor-1016	43	U	U	43	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	11104-28-2	Aroclor-1221	43	U	U	43	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	11141-16-5	Aroclor-1232	43	U	U	43	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	53469-21-9	Aroclor-1242	43	U	U	43	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	12672-29-6	Aroclor-1248	43	U	U	43	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	11097-69-1	Aroclor-1254	43	U	U	43	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	11096-82-5	Aroclor-1260	43	U	U	43	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	37324-23-5	Aroclor-1262	43	U	U	43	ug/kg	6100-SED26A
BG513	Sediment	04/20/2021	1.0	11100-14-4	Aroclor-1268	43	U	U	43	ug/kg	6100-SED26A
BG573	Sediment	04/20/2021	1.0	12674-11-2	Aroclor-1016	40	U	U	40	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	11104-28-2	Aroclor-1221	40	U	U	40	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	11141-16-5	Aroclor-1232	40	U	U	40	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	53469-21-9	Aroclor-1242	40	U	U	40	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	12672-29-6	Aroclor-1248	40	U	U	40	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	11097-69-1	Aroclor-1254	40	U	U	40	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	11096-82-5	Aroclor-1260	40	U	U	40	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	37324-23-5	Aroclor-1262	40	U	U	40	ug/kg	6100-SED06A
BG573	Sediment	04/20/2021	1.0	11100-14-4	Aroclor-1268	40	U	U	40	ug/kg	6100-SED06A
BG574	Sediment	04/20/2021	1.0	12674-11-2	Aroclor-1016	41	U	U	41	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	11104-28-2	Aroclor-1221	41	U	U	41	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	11141-16-5	Aroclor-1232	41	U	U	41	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	53469-21-9	Aroclor-1242	41	U	U	41	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	12672-29-6	Aroclor-1248	41	U	U	41	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	11097-69-1	Aroclor-1254	41	U	U	41	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	11096-82-5	Aroclor-1260	41	U	U	41	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	37324-23-5	Aroclor-1262	41	U	U	41	ug/kg	6100-SED06B
BG574	Sediment	04/20/2021	1.0	11100-14-4	Aroclor-1268	41	U	U	41	ug/kg	6100-SED06B
BG575	Sediment	04/20/2021	1.0	12674-11-2	Aroclor-1016	44	U	U	44	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	11104-28-2	Aroclor-1221	44	U	U	44	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	11141-16-5	Aroclor-1232	44	U	U	44	ug/kg	6100-SED06C

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG575	Sediment	04/20/2021	1.0	53469-21-9	Aroclor-1242	44	U	U	44	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	12672-29-6	Aroclor-1248	44	U	U	44	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	11097-69-1	Aroclor-1254	44	U	U	44	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	11096-82-5	Aroclor-1260	44	U	U	44	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	37324-23-5	Aroclor-1262	44	U	U	44	ug/kg	6100-SED06C
BG575	Sediment	04/20/2021	1.0	11100-14-4	Aroclor-1268	44	U	U	44	ug/kg	6100-SED06C
ALCS010		04/28/2021	1.0	11104-28-2	Aroclor-1221	33	U	U	33	ug/kg	
ALCS010		04/28/2021	1.0	11141-16-5	Aroclor-1232	33	U	U	33	ug/kg	
ALCS010		04/28/2021	1.0	53469-21-9	Aroclor-1242	33	U	U	33	ug/kg	
ALCS010		04/28/2021	1.0	12672-29-6	Aroclor-1248	33	U	U	33	ug/kg	
ALCS010		04/28/2021	1.0	11097-69-1	Aroclor-1254	33	U	U	33	ug/kg	
ALCS010		04/28/2021	1.0	37324-23-5	Aroclor-1262	33	U	U	33	ug/kg	
ALCS010		04/28/2021	1.0	11100-14-4	Aroclor-1268	33	U	U	33	ug/kg	
ALCS010		04/28/2021	1.0	12674-11-2	Aroclor-1016	41			33	ug/kg	
ALCS010		04/28/2021	1.0	11096-82-5	Aroclor-1260	42			33	ug/kg	
ALCS975		04/23/2021	1.0	11104-28-2	Aroclor-1221	1.0	U	U	1.0	ug/L	
ALCS975		04/23/2021	1.0	11141-16-5	Aroclor-1232	1.0	U	U	1.0	ug/L	
ALCS975		04/23/2021	1.0	53469-21-9	Aroclor-1242	1.0	U	U	1.0	ug/L	
ALCS975		04/23/2021	1.0	12672-29-6	Aroclor-1248	1.0	U	U	1.0	ug/L	
ALCS975		04/23/2021	1.0	11097-69-1	Aroclor-1254	1.0	U	U	1.0	ug/L	
ALCS975		04/23/2021	1.0	37324-23-5	Aroclor-1262	1.0	U	U	1.0	ug/L	
ALCS975		04/23/2021	1.0	11100-14-4	Aroclor-1268	1.0	U	U	1.0	ug/L	
ALCS975		04/23/2021	1.0	12674-11-2	Aroclor-1016	1.3			1.0	ug/L	
ALCS975		04/23/2021	1.0	11096-82-5	Aroclor-1260	1.3			1.0	ug/L	
BG502MS	Sediment	04/20/2021	1.0	11104-28-2	Aroclor-1221	60	U	U	60	ug/kg	6100-SED22B
BG502MS	Sediment	04/20/2021	1.0	11141-16-5	Aroclor-1232	60	U	U	60	ug/kg	6100-SED22B
BG502MS	Sediment	04/20/2021	1.0	53469-21-9	Aroclor-1242	60	U	U	60	ug/kg	6100-SED22B
BG502MS	Sediment	04/20/2021	1.0	12672-29-6	Aroclor-1248	60	U	U	60	ug/kg	6100-SED22B
BG502MS	Sediment	04/20/2021	1.0	11097-69-1	Aroclor-1254	60	U	U	60	ug/kg	6100-SED22B
BG502MS	Sediment	04/20/2021	1.0	37324-23-5	Aroclor-1262	60	U	U	60	ug/kg	6100-SED22B
BG502MS	Sediment	04/20/2021	1.0	11100-14-4	Aroclor-1268	60	U	U	60	ug/kg	6100-SED22B
BG502MS	Sediment	04/20/2021	1.0	12674-11-2	Aroclor-1016	200			60	ug/kg	6100-SED22B
BG502MS	Sediment	04/20/2021	1.0	11096-82-5	Aroclor-1260	180			60	ug/kg	6100-SED22B
BG502MSD	Sediment	04/20/2021	1.0	11104-28-2	Aroclor-1221	60	U	U	60	ug/kg	6100-SED22B
BG502MSD	Sediment	04/20/2021	1.0	11141-16-5	Aroclor-1232	60	U	U	60	ug/kg	6100-SED22B
BG502MSD	Sediment	04/20/2021	1.0	53469-21-9	Aroclor-1242	60	U	U	60	ug/kg	6100-SED22B
BG502MSD	Sediment	04/20/2021	1.0	12672-29-6	Aroclor-1248	60	U	U	60	ug/kg	6100-SED22B
BG502MSD	Sediment	04/20/2021	1.0	11097-69-1	Aroclor-1254	60	U	U	60	ug/kg	6100-SED22B
BG502MSD	Sediment	04/20/2021	1.0	37324-23-5	Aroclor-1262	60	U	U	60	ug/kg	6100-SED22B
BG502MSD	Sediment	04/20/2021	1.0	11100-14-4	Aroclor-1268	60	U	U	60	ug/kg	6100-SED22B
BG502MSD	Sediment	04/20/2021	1.0	12674-11-2	Aroclor-1016	230			60	ug/kg	6100-SED22B
BG502MSD	Sediment	04/20/2021	1.0	11096-82-5	Aroclor-1260	210			60	ug/kg	6100-SED22B
ABLK010		04/28/2021	1.0	12674-11-2	Aroclor-1016	33	U	U	33	ug/kg	
ABLK010		04/28/2021	1.0	11104-28-2	Aroclor-1221	33	U	U	33	ug/kg	
ABLK010		04/28/2021	1.0	11141-16-5	Aroclor-1232	33	U	U	33	ug/kg	
ABLK010		04/28/2021	1.0	53469-21-9	Aroclor-1242	33	U	U	33	ug/kg	
ABLK010		04/28/2021	1.0	12672-29-6	Aroclor-1248	33	U	U	33	ug/kg	
ABLK010		04/28/2021	1.0	11097-69-1	Aroclor-1254	33	U	U	33	ug/kg	
ABLK010		04/28/2021	1.0	11096-82-5	Aroclor-1260	33	U	U	33	ug/kg	
ABLK010		04/28/2021	1.0	37324-23-5	Aroclor-1262	33	U	U	33	ug/kg	
ABLK010		04/28/2021	1.0	11100-14-4	Aroclor-1268	33	U	U	33	ug/kg	
ABLK975		04/23/2021	1.0	12674-11-2	Aroclor-1016	1.0	U	U	1.0	ug/L	
ABLK975		04/23/2021	1.0	11104-28-2	Aroclor-1221	1.0	U	U	1.0	ug/L	
ABLK975		04/23/2021	1.0	11141-16-5	Aroclor-1232	1.0	U	U	1.0	ug/L	
ABLK975		04/23/2021	1.0	53469-21-9	Aroclor-1242	1.0	U	U	1.0	ug/L	
ABLK975		04/23/2021	1.0	12672-29-6	Aroclor-1248	1.0	U	U	1.0	ug/L	
ABLK975		04/23/2021	1.0	11097-69-1	Aroclor-1254	1.0	U	U	1.0	ug/L	
ABLK975		04/23/2021	1.0	11096-82-5	Aroclor-1260	1.0	U	U	1.0	ug/L	
ABLK975		04/23/2021	1.0	37324-23-5	Aroclor-1262	1.0	U	U	1.0	ug/L	
ABLK975		04/23/2021	1.0	11100-14-4	Aroclor-1268	1.0	U	U	1.0	ug/L	

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
LSASD/HWSB/HWSS
2890 Woodbridge Avenue, Edison, NJ 08837

EXECUTIVE NARRATIVE

Case No.: 49391
Site: Coney Island Creek
Number of Samples: 20 (Sediment)
Analysis: VOA, SVOA, PEST and ARO

SDG No.: BG514
Laboratory: Chemtech Consulting Group
Sampling dates: 04/23/2021- 04/26/2021
Validation SOP: HW-33A (Rev 1), HW-35A (Rev 1), HW-36A (Rev 1) HW-37A (Rev 0)

QAPP:
Contractor: Weston Solutions, Inc
Reference: DCN: SAT-V.6102.0022, April 1, 2021

SUMMARY OF DEFINITIONS:
Critical: Results have an unacceptable level of uncertainty and should not be used for making decisions. Data have been qualified "R" rejected.
Major: A level of uncertainty exists that may not meet the data quality objectives for the project. A bias is likely to be present in the results. Data has been qualified "J" estimated. "J+" and "J-" represent likely direction of the bias.
Minor: The level of uncertainty is acceptable. No significant bias in the data was observed.

Critical Findings:
None

Major Findings:
The following samples have analytes that have been qualified "J", "J+" or "J-".
VOA: BG514, BG515, BG576RE, BG577RE, BG578, BG579, BG580, BG581, BG582, BG583RE, BG584, BG585RE, BG586, BG587, BG589, BG594
SVOA: BG515, BG576, BG577, BG578, BG579, BG581, BG586, BG587, BG588, BG589, BG590, BG992
PEST: BG514, BG515, BG577, BG578, BG579, BG580, BG581, BG582, BG583, BG587, BG584, BG585, BG588
ARO: BG514, BG579, BG582, BG583, BG584, BG585, BG586, BG587, BG589, BG590, BG591

Minor Findings:
One or more analytes in one or more samples are qualified "J" due to results between MDL and CRQL.

COMMENTS:	Per request in ARF, summary reports were created using RSL-Industrial soil. **SVOA:** One or more detected and non-detected analyte results exceeded the project action levels in one or more samples.

Reviewer Name(s): Israel Okwuonu

Approver's Signature:

Date: 6/22/2021

Name: **Narendra Kumar**

Affiliation: USEPA/R2/HWSB/HWSS

Data Qualifier Definitions (National Functional Guidelines)			
Qualifier Symbol	**Explanation**		
	INORGANICS	**ORGANICS**	**CHLORINATED DIOXIN/FURAN**
U	The analyte was analyzed for, but was not detected above the level of the reported quantitation limit.	The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted Contract Required Quantitation Limit (CRQL) for sample and method	The analyte was analyzed for but not detected. The value preceding the "U" may represent the adjusted Contract Required Quantitation Limit (see DLM02.X, Exhibit D, Section 1.2 and Table 2), or the sample specific estimated detection limit (EDL, see Method 8290A, Section 11.9.5).
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to an issue with the quality of the data generated because certain QC criteria were not met, or the concentration of the analyte was below the adjusted CRQL).
J+	The result is an estimated quantity, but the result may be biased high.	The result is an estimated quantity, but the result may be biased high.	
J–	The result is an estimated quantity, but the result may be biased low.	The result is an estimated quantity, but the result may be biased low.	
UJ	The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.	The analyte was not detected at a level greater than or equal to the adjusted CRQL. However, the reported adjusted CRQL is approximate and may be inaccurate or imprecise.	The analyte was not detected (see definition of "U" flag, above). The reported value should be considered approximate.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
N		The analysis indicates the presence of an analyte for which there is presumptive evidence to make a “tentative identification”.	
NJ		The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	
C		This qualifier applies to pesticide and Aroclor results when the identification has been confirmed by Gas Chromatograph/Mass Spectrometer (GC/MS).	
X		This qualifier applies to pesticide and Aroclor results when GC/MS analysis was attempted but was unsuccessful.	

DATA ASSESSMENT

ANALYSIS: VOA

The current SOP HW-33A (Rev 1) September 2016, USEPA Region II for the evaluation of Volatile organic data, and all related Change Request Forms (CRF) for this SOP, generated through Statement of Work SFAM01.1, and any future editorial revisions of SFAM01.1 has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report. Tentatively Identified Compounds (TICs) for VOA organic fraction is not validated.

1. HOLDING TIME AND PRESERVATION:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". The non-detects (sample quantitation limits) will be flagged as estimated, "J", or unusable, "R", if the holding times are grossly exceeded. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. DEUTERATED MONITORING COMPOUNDS (DMC's):

All samples are spiked with DMC compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured DMC recovery limits were outside Table 6 of the SOP HW-33A (Rev 1) qualifications were applied as per Table 7 SOP HW-33A (Rev 1) to all the samples and analytes as shown below.

The following samples have DMC percent recoveries less than the primary minimum criteria but greater than or equal to the expanded minimum criteria. Detects are qualified as estimated J-. Non-detects are qualified as estimated UJ.

1,1-Dichloroethene-d2 BG514, BG514RE, BG515, BG576, BG577, BG578, BG579, BG580, BG581, BG582RE, BG582, BG583RE, BG583, BG584, BG585, BG586, BG587, BG589
trans-1,2-Dichloroethene, cis-1,2-Dichloroethene, 1,1-Dichloroethene

1,2-Dichloroethane-d4 BG584
Trichlorofluoromethane, 1,1,2-Trichloro-1,2,2-Trifluoroethane, Methyl acetate, Methylene chloride, Methyl-tert-butyl ether, 1,1,1-Trichloroethane, Carbon tetrachloride, 1,2-Dichloroethane, 1,2-Dibromoethane

1,2-Dichlorobenzene-d4 BG584
Chlorobenzene,1,3-Dichlorobenzene,1,4-Dichlorobenzene,1,2-Dichlorobenzene,1,2,4-Trichlorobenzene, 1,2,3-Trichlorobenzene

The following samples have DMC percent recoveries greater than the primary maximum criteria. Detects are qualified as estimated J+. Non-detects are not qualified.

2-Butanone-d5 BG583RE, BG585, BG587

Acetone, 2-Butanone

Benzene-d6 BG576RE, BG585RE, BG594
Benzene

1,2-Dichloropropane-d6 BG514RE, BG576RE, BG577RE, BG583, BG585, BG585RE, BG587, BG587RE, BG594
Cyclohexane, Methylcyclohexane, 1,2-Dichloropropane, Bromodichloromethane, 1,2,3-Trichloropropane

2-Hexanone-d5 BG514, BG514RE, BG515, BG576, BG576RE, BG577, BG582RE, BG583RE, BG583, BG585, BG585RE, BG587, BG587RE, BG594
4-Methyl-2-pentanone, 2-Hexanone

1,1,2,2-Tetrachloroethane-d2 BG514, BG582RE, BG585, BG587
1,1,2,2-Tetrachloroehane, 1,2-Dibromo-3-chloropropane

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD):

MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

Not applicable.

4. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, trip, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the amount of contamination present in the QA blanks, the analytes are qualified as per Table 5 of SOP HW-33A (Rev 1).

A) Method blank contamination:

The following samples have analyte results reported less than the CRQLs. The associated method blank results are less than the CRQLs. Detects are qualified U. Sample results have been reported at CRQLs.

Toluene BG514, BG576RE, BG577RE, BG583RE, BG585RE, BG587, BG588, BG590, BG591, BG592, BG594

B) Field or rinse blank contamination:

Not applicable.

C) Trip blank contamination:

Not applicable.

D) Storage Blank associated with VOA samples only:

The following samples have common laboratory contaminant analyte results reported greater than or equal to CRQLs and less than 2x the storage blank results. The associated storage blank results are greater than or equal to CRQLs. Sample result is reported with a U.

Methylene chloride BG580, BG581, BG584, BG587RE, BG588, BG590, BG591, BG592

E) Tentatively Identified Compounds:

Tentatively Identified Compounds (TICs) for VOA organic fractions are not validated.

5. MASS SPECTROMETER TUNING:

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for volatile organics is (BFB) Bromofluorobenzene. If the mass calibration is in error, all associated data will be classified as unusable "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:

The response factor measures the instrument's response to specific chemical compounds. All analytes for initial calibration, ICV and continuing calibration should meet the minimum RRF criteria as listed in Table 2 of SOP HW-33A (Rev 1). If RRF is less than minimum RRF specified in Table 2 for all target analytes, use professional judgment and all detects in the sample will be qualified as "J+" or "R". All non-detects for that compound will be rejected "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration.

Percent RSD must be less than maximum %RSD in Table 2 of SOP HW-33A (Rev 1) for all target analytes. For the Initial Calibration Verification ICV/opening or closing CCV %D must be within the inclusive opening or closing maximum %D limits as listed in Table 2 of SOP HW-33A (Rev 1) for all Target compounds. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and Non-detects are flagged "UJ" for %D values outside criteria only. If %RSD exceeds QC criteria, detects may be qualified as "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

The following analytes in the sample shown were qualified for %RSD and %D:

The following samples are associated with an opening or closing CCV with % Difference exceeding criteria. Detects are qualified as estimated J. Non-detects are qualified as estimated UJ.

Chloromethane BG514, BG515, BG578, BG579, BG580, BG581, BG582, BG583, BG584, BG586, BG587, BG589

Trichlorofluoromethane BG514, BG579, BG584

7. INTERNAL STANDARDS PERFORMANCE GC/MS:

Internal standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must be in the range as specified in Table 9 of SOP HW-33A (Rev 1) of the associated continuing calibration internal standard area. The retention time of the internal standards must be within the range as specified in Table 9 of SOP HW-33A (Rev 1). If the area count is greater than, all positive results quantitated using that IS are qualified as estimated "J-", and non-detects are not qualified. If the area count is less than the associated standard, all positive results for compounds quantitated with that IS are qualified as estimated "J+" and all non-detects are qualified "R".

If an internal standard retention time were not met as specified in Table 9 of SOP HW-33A (Rev 1), the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample fraction. Qualifications were applied to the samples and analytes as shown below.

The following samples have internal standard area response less than expanded minimum criteria. Detects are qualified as estimated J+. Non-detects are qualified as unusable R.

1,4-Difluorobenzene BG582RE
Dichlorodifluoromethane, Chloromethane, Vinyl Chloride, Bromomethane, Chloroethane, Trichlorofluoromethane, 1,1-Dichloroethene, 1,1,2-Trichloro-1,2,2-trifluoroethane, Acetone, Carbon disulfide, Methyl acetate, Bromochloromethane, Methylene chloride, trans-1,2-Dichloroethene, Methyl tert-butyl ether, 1,1-Dichloroethane, cis-1,2-Dichloroethene, 2-Butanone, Chloroform, 1,2-Dichloroethane

Chlorobenzene-d5 BG582RE
1,1,1-Trichloroethane, Cyclohexane, Carbon tetrachloride, Benzene, Trichloroethene, Methylcyclohexane, 1,2-Dichloropropane, Bromodichloromethane, cis-1,3-Dichloropropene, 4-methyl-2-pentanone, Toluene, trans-1,3-Dichloropropene, 1,1,2-Trichloroethane,

Tetrachloroethene, 2-Hexanone, Dibromochloromethane, 1,2-Dibromomethane, Chlorobenzene, Ethylbenzene, m,p-Xylene, o-Xylene, Styrene, 1,1,2,2-Tetrachloroethane

1,4-Dichlorobenzene-d4 BG582RE
Bromoform, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2-Dichlorobenzene, 1,2-Dibromo-3-chloropropane, 1,2,4-Trichlorobenzene, 1,2,3-Trichlorobenzene, Isopropylbenzene, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene

The following samples have internal standard area response greater than or equal to expanded minimum criteria and less than primary minimum criteria. Detects are qualified as estimated J+. Non-detects are qualified as estimated UJ.

Chlorobenzene-d5 BG514RE, BG583, BG585RE, BG585
1,1,1-Trichloroethane, Cyclohexane, Carbon tetrachloride, Benzene, Trichloroethene, Methylcyclohexane, 1,2-Dichloropropane, Bromodichloromethane, cis-1,3-Dichloropropene, 4-methyl-2-pentanone, Toluene, trans-1,3-Dichloropropene, 1,1,2-Trichloroethane, Tetrachloroethene, 2-Hexanone, Dibromochloromethane, 1,2-Dibromomethane, Chlorobenzene, Ethylbenzene, m,p-Xylene, o-Xylene, Styrene, 1,1,2,2-Tetrachloroethane

1,4-Dichlorobenzene-d4 BG514RE, BG514, BG576, BG576RE, BG577RE, BG577, BG582, BG583RE, BG583, BG585RE, BG585, BG587RE
Bromoform, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2-Dichlorobenzene, 1,2-Dibromo-3-chloropropane, 1,2,4-Trichlorobenzene, 1,2,3-Trichlorobenzene, Isopropylbenzene, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene

8. FIELD DUPLICATES: BG515/BG578

Relative Percent Difference (RPD) between the values for Acetone and 2-Butanone is greater than 50% in the parent sample BG515 and its duplicate sample BG578.

9. COMPOUND IDENTIFICATION:

Target compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within a window of 0.06 RRT units of the standard compound and have ion spectra which has a ratio of the primary and secondary m/z intensities within 20% of that in the standard compound. For the tentatively identified compounds (TIC) the ion spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

10. CONTRACT PROBLEMS NON-COMPLIANCE:

None

11. FIELD DOCUMENTATION:

No problems were identified.

12. OTHER PROBLEMS:

None

13. DILUTIONS, RE-EXTRACTIONS & REANALYSIS:
Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are used. See summary report and EDD for applicable samples and analytes.

The following dilution (medium level) sample analyses were not used.
BG514ME, BG576ME, BG577ME, BG582ME, BG583ME, BG585ME

The following initial and re-analyzed sample analyses were not used.
BG576, BG577, BG583, BG585, BG514RE, BG582RE, BG587RE

ANALYSIS: SVOA

The current SOP HW-35A (Rev 1) September 2016, USEPA Region II for the evaluation of Semi-Volatile organic data, and all related Change Request Forms (CRF) for this SOP, generated through Statement of Work SFAM01.1, and any future editorial revisions of SFAM01.1 has been applied. Data has been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report. Tentatively Identified Compounds (TICs) for BNA organic fraction is not validated.

1. HOLDING TIME AND PRESERVATION:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded, qualifications will be applied as per SOP HW-35A (Rev 1).

No problems were found for this criterion.

2. DEUTERATED MONITORING COMPOUNDS (DMCs):

All samples are spiked with DMC compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured DMC recovery limits were outside Table 6 of SOP HW-35A (Rev 1), qualifications were applied as per Table 7 of SOP HW-35A (Rev 1) to all the samples and analytes as shown below.

The following undiluted sample analyses have DMC percent recoveries less than the primary minimum criteria but greater than or equal to the expanded minimum criteria. Detects are qualified as estimated J-. Non-detects are qualified as estimated UJ.

1,4-Dioxane-d8 BG590
1,4-Dioxane

Fluorene-d10 BG579, BG592
Dibenzofuran, Fluorene, 4-Chlorophenyl-phenylether, 4-Bromophenyl-phenylether, Carbazole

4-Nitrophenol-d4 BG515, BG576, BG577, BG578, BG579, BG581, BG586, BG587, BG588, BG589, BG590, BG592, BG514RE
2-Nitroaniline, 3-Nitroaniline, 2,4-Dinitrophenol, 4-Nitrophenol, 4-Nitroaniline

4,6-Dinitro-2-methylphenol-d2 BG515, BG576, BG577, BG578, BG579, BG586, BG587, BG589, BG590, BG592
4,6-Dinitro-2-methylphenol

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATES (MS/MSD):

MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

Not applicable.

4. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, trip, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the amount of contamination present in the QA blanks, the analytes are qualified as per Table 5 of SOP HW-35A (Rev 1).

A) Method blank contamination:

No problems were found for this criterion.

B) Field or rinse blank contamination:

Not applicable.

C) Tentatively Identified Compounds:

Tentatively Identified Compounds (TICs) for BNA organic fraction are not validated.

5. MASS SPECTROMETER TUNING:

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for Semi-volatiles is Decafluorotriphenyl-phosphine (DFTPP). If the mass calibration is in error, all associated data will be classified as unusable "R".

No problems were found for this criterion.

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:

The response factor measures the instrument's response to specific chemical compounds. All analytes for initial calibration, ICV and continuing calibration should meet the minimum RRF criteria as listed in Table 2 of SOP HW-35A (Rev 1). If RRF is less than minimum RRF as specified in Table 2 for all target analytes, use professional judgment and all detects in the sample will be qualified as "J+" or "R". All non-detects for that compound will be rejected "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration. Percent D is a measure of the instrument's daily performance.

Percent RSD must be less than maximum %RSD in Table 2 of SOP HW-35A (Rev 1) for all target analytes. For the ICV/opening or closing CCV %D must be within the inclusive opening or closing maximum %D limits as listed in Table 2 of SOP HW-35A (Rev 1) for all Target compounds. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and Non-detects are flagged "UJ" for %D values outside criteria only. If %RSD exceeds QC criteria, detects may be qualified as "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

The following analytes in the sample shown were qualified for %RSD and %D:

The following samples are associated with an initial calibration percent relative standard deviation (%RSD) outside criteria. Detects are qualified as estimated J. Non-detects are not qualified.

Nitrobenzene, **2-Nitroaniline** BG514, BG515, BG576, BG577, BG578, BG579, BG580, BG581, BG582, BG583, BG584, BG585, BG586, BG587, BG588, BG589, BG590, BG591, BG592, BG594

The following samples are associated with an opening or closing CCV with % Difference exceeding criteria. Detects are qualified as estimated J. Non-detects are qualified as estimated UJ.

Fluoranthene BG514, BG591, BG594

7. INTERNAL STANDARDS PERFORMANCE GC/MS:

Internal standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must be in the range as specified in Table 10 of SOP HW-35A (Rev 1) of the associated continuing calibration internal standard area. The retention time of the internal standards must be within the range as specified in Table 10 of SOP HW-35A (Rev 1). If the area count is greater than, all positive results quantitated using that IS are qualified as estimated "J-", and non-detects are not qualified. If the area count is less than the associated standard, all positive results for compounds quantitated with that IS are qualified as estimated "J+" and all non-detects are qualified "R".

If an internal standard retention time were not met as specified in Table 10 of SOP HW-35A (Rev 1), the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample fraction. Qualifications were applied to the samples and analytes as shown below. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

8. FIELD DUPLICATES: BG515/BG578

No problems were found for this criterion.

9. COMPOUND IDENTIFICATION:

TCL compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within 0.06 RRT units of the standard compound and have ion spectra which have a ratio of the primary and secondary m/e intensities within 20% of that in the standard compound. For the tentatively identified compounds (TIC) the ion spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

10. CONTRACT PROBLEMS NON-COMPLIANCE:

Initial calibration percent relative standard deviation (%RSD) is outside criteria for Nitrobenzene and 2-Nitroaniline.

11. FIELD DOCUMENTATION:

No problems were identified.

12. OTHER PROBLEMS:

None

13. DILUTIONS, RE-EXTRACTIONS and REANALYSIS:

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are used. See summary report and EDD for applicable samples and analytes.

The following dilution sample was only used for one or more analytes.
BG514DL

ANALYSIS: PEST

The current SOP HW-36A (Rev 1) October 2016, USEPA Region II for the evaluation of Pesticides data, and all related Change Request Forms (CRF) for this SOP, generated through Statement of Work SFAM01.1, and any future editorial revisions of SFAM01.1 has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report.

1. HOLDING TIME AND PRESERVATION:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". Use professional judgment to qualify the non-detects (sample quantitation limits), if the holding times are grossly exceeded. If the holding times are grossly exceeded. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. SURROGATES:

All samples are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured surrogate recovery were outside Table 7 of the SOP HW-36A (Rev 1), qualifications were applied to the samples and analytes as shown below.

The following sample has surrogate percent recoveries less than the primary minimum criteria but greater than or equal to the expanded minimum criteria. Detects are qualified as estimated J-
Non-detects are qualified as estimated UJ.

Tetrachloro-m-xylene BG583
alpha-BHC, beta-BHC, delta-BHC, gamma-BHC (Lindane), Heptachlor, Aldrin, Heptachlor epoxide, Endosulfan I, Dieldrin, 4,4'-DDE, Endrin, Endosulfan II, 4,4'-DDD, Endosulfan sulfate, 4,4'-DDT, Methoxychlor, Endrin ketone, Endrin aldehyde, cis-Chlordane, trans-Chlordane, Toxaphene

The following samples have surrogate percent recoveries greater than the expanded maximum criteria. Detects are qualified as estimated J+. Non-detects are not qualified.

Decachlorobiphenyl BG583, BG586
alpha-BHC, beta-BHC, delta-BHC, gamma-BHC (Lindane), Heptachlor, Aldrin, Heptachlor epoxide, Endosulfan I, Dieldrin, 4,4'-DDE, Endrin, Endosulfan II, 4,4'-DDD, Endosulfan sulfate, 4,4'-DDT, Methoxychlor, Endrin ketone, Endrin aldehyde, cis-Chlordane, trans-Chlordane, Toxaphene

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD):

MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion

4. LABORATORY CONTROL RECOVERY (LCS):

LCS data is generated to determine the long-term precision and accuracy of the analytical method. The LCS may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

5. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the concentration of the analyte in the blank, the analytes are qualified as non-detects, "U". Qualifications were applied to the samples and analytes as shown below.

A) Method/Instrument blank contamination:

No problems were found for this criterion.

B) Field or rinse blank contamination:

Not applicable.

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):

If %RSD exceeds 20% for all analytes except alpha-BHC and delta-BHC 25%, for the two surrogates and Toxaphene 30%, qualify all associated positive results "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) **The Percent Difference (%D) for each of the SCP in the PEM used for CCV must be within ±25.0%. The Percent Difference (%D) for target analyte in the Calibration Verification Standard (CS3) used for CCV must be within ±25.0%. If the %D is not within limits, associated detected compounds are qualified "J" and associated non-detected compounds are qualified "UJ". Qualifications were applied to the samples and analytes as shown below.**

No problems were found for this criterion.

7. **FIELD DUPLICATES:** BG515/BG578

No problems were found for this criterion.

8. **COMPOUND IDENTIFICATION:**

The retention times of reported compounds must fall within the calculated retention time windows for the two chromatographic columns and a GC/MS confirmation is required if the concentration exceeds 10ng/ml in the final sample extract. Qualifications were applied to the samples and analytes as shown below.

Percent Differences	**Qualifier**
0% - 25%	No qualification
26% - 200%	J
>200% (interference detected)	NJ
>200% (interference not detected)	NJ

The following samples were qualified for % difference on the two columns.

delta-BHC BG514, BG515, BG577, BG578, BG579, BG581, BG583, BG584, BG585, BG586, BG587, BG588, BG589, BG590, BG594

gamma-BHC (Lindane) BG515, BG578, BG582, BG583, BG584, BG587, BG591, BG592, BG594

Aldrin BG582, BG583, BG590, BG594

Heptachlor epoxide BG582, BG583, BG586, BG587, BG589, BG590

Dieldrin BG514, BG515, BG577, BG578, BG579, BG582, BG583, BG584, BG585, BG586, BG587, BG588, BG589, BG591, BG592, BG594

4,4'-DDE BG514, BG515, BG576, BG577, BG578, BG579, BG580, BG581, BG582, BG583, BG584, BG585, BG586, BG587, BG588, BG589, BG590, BG591, BG592, BG594

Endrin BG514, BG515, BG577, BG578, BG579, BG581, BG582, BG583, BG584, BG585, BG586, BG587, BG589, BG590, BG591, BG592

Endosulfan II BG582

4,4'-DDD BG515, BG576, BG577, BG578, BG579, BG580, BG581, BG585, BG586, BG588, BG594

Endosulfan Sulfate BG582
4,4'-DDT BG514, BG577, BG578, BG579, BG580, BG581, BG583, BG584, BG587, BG588, BG591

Methoxychlor BG585, BG586, BG587

cis-Chlordane BG515, BG576, BG581, BG582, BG584, BG588, BG590, BG594

trans-Chlordane BG514, BG515, BG576, BG577, BG578, BG581, BG583, BG584, BG585, BG586, BG588, BG590, BG591, BG592, BG594

9. CONTRACT PROBLEMS NON-COMPLIANCE:

None

10. FIELD DOCUMENTATION:

No problems were identified.

11. OTHER PROBLEMS:

None

12. DILUTIONS, RE-EXTRACTIONS & REANALYSIS:

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are used. See summary report and EDD for applicable samples and analytes.

ANALYSIS: ARO

The current SOP HW-37A (Rev 0) June 2015, USEPA Region II for the evaluation of ARO data, and all related Change Request Forms (CRF) for this SOP, generated through Statement of Work SFAM01.1, and any future editorial revisions of SFAM01.1 has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report.

1. HOLDING TIME AND PRESERVATION:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". Use professional judgment to qualify the non-detects (sample quantitation limits), if the holding times are grossly exceeded. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. SURROGATES:

All samples are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured surrogate recovery were outside Table 5 of the SOP HW-37A (Rev 0), qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD):

MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

4. Laboratory Control Samples (LCS):

LCS data provides information on the accuracy of the analytical method and laboratory performance. If LCS recoveries fell outside of the acceptable limits, qualifications were applied to the associated samples and compounds as shown below.

No problems were found for this criterion.

5. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the concentration of the analyte in the blank, the analytes are qualified as non-detects U. Qualifications were applied to the samples and analytes as shown below.

A) Method/Instrument blank contamination:

No problems were found for this criterion.

B) Field or rinse blank contamination:

Not applicable.

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Percent Relative Standard Deviation (%RSD):

If %RSD exceeds 20% for all analytes and the two surrogates, qualify all associated positive results "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) Percent Difference (%D):

For opening CCV, or closing CCV that is used as an opening CCV for the next 12-hour period, if %D exceeds 25% for analytes and 30% for the two surrogates, qualify all associated positive results "J" and non-detects "UJ".

For closing CCV, if %D exceeds 50% for all analytes and the two surrogates, qualify all associated positive results "J" and non-detects "UJ". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

7. FIELD DUPLICATES: BG515/BG578

No problems were found for this criterion.

8. COMPOUND IDENTIFICATION:

The retention times of reported compounds must fall within the calculated retention time windows for the two chromatographic columns and a GC/MS confirmation is required if the concentration exceeds 10ng/ml in the final sample extract. Qualifications were applied to the samples and analytes as shown below.

Percent Differences	Qualifier
0% - 25%	No qualification
26% - 200%	J
>200% (interference detected)	NJ
>200% (interference not detected)	NJ

The following samples were qualified for % difference on the two columns.

Aroclor-1248 BG514, BG582, BG583, BG584, BG585, BG586, BG589, BG590, BG591

Aroclor-1254 BG514, BG579, BG580, BG582, BG583, BG587, BG589, BG591

9. CONTRACT PROBLEMS NON-COMPLIANCE:

None

10. FIELD DOCUMENTATION:

No problems were identified.

11. OTHER PROBLEMS:

None

12. DILUTIONS, RE-EXTRACTIONS & RE-ANALYSIS:

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are used. See summary report and EDD for applicable samples and analytes.

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Sample Number: ABLK051	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1221	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1232	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1242	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1248	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1254	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1260	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1262	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1268	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Sample Number: ALCS051	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Spike	31	J	ug/kg	31	J	1.0	YES	S3VEM
Aroclor-1221	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1232	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1242	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1248	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1254	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1260	Spike	32	J	ug/kg	32	J	1.0	YES	S3VEM
Aroclor-1262	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1268	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED26B

Sample Number: BG514	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: SED09/SW09	pH:	Sample Date: 04/23/2021	Sample Time: 09:35:00
% Moisture:		% Solids: 76.4	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	43	U	ug/kg	43	U	1.0	YES	S3VEM
Aroclor-1221	Target	43	U	ug/kg	43	U	1.0	YES	S3VEM
Aroclor-1232	Target	43	U	ug/kg	43	U	1.0	YES	S3VEM
Aroclor-1242	Target	43	U	ug/kg	43	U	1.0	YES	S3VEM
Aroclor-1248	Target	54	J	ug/kg	54	P	1.0	YES	S3VEM
Aroclor-1254	Target	35	J	ug/kg	35	JP	1.0	YES	S3VEM
Aroclor-1260	Target	43	U	ug/kg	43	U	1.0	YES	S3VEM
Aroclor-1262	Target	43	U	ug/kg	43	U	1.0	YES	S3VEM
Aroclor-1268	Target	43	U	ug/kg	43	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED26B

Sample Number: BG514	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: SED09/SW09	pH:	Sample Date: 04/23/2021	Sample Time: 09:35:00
% Moisture:		% Solids: 76.4	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
beta-BHC	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
delta-BHC	Target	1.3	J	ug/kg	1.3	JP	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
Heptachlor	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
Aldrin	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
Endosulfan I	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
Dieldrin	Target	1.9	J	ug/kg	1.9	JP	1.0	YES	S3VEM
4,4'-DDE	Target	3.2	J	ug/kg	3.2	JP	1.0	YES	S3VEM
Endrin	Target	0.78	J	ug/kg	0.78	JP	1.0	YES	S3VEM
Endosulfan II	Target	4.3	U	ug/kg	4.3	U	1.0	YES	S3VEM
4,4'-DDD	Target	17		ug/kg	17		1.0	YES	S3VEM
Endosulfan Sulfate	Target	4.3	U	ug/kg	4.3	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.40	NJ	ug/kg	0.40	JP	1.0	YES	S3VEM
Methoxychlor	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
Endrin ketone	Target	4.3	U	ug/kg	4.3	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	4.3	U	ug/kg	4.3	U	1.0	YES	S3VEM
cis-Chlordane	Target	5.6		ug/kg	5.6		1.0	YES	S3VEM
trans-Chlordane	Target	7.3	J	ug/kg	7.3	P	1.0	YES	S3VEM
Toxaphene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED26B

Sample Number: BG514	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SED09/SW09	pH:	Sample Date: 04/23/2021	Sample Time: 09:35:00
% Moisture:		% Solids: 76.4	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	88	U	ug/kg	88	U	1.0	YES	S3VEM
Benzaldehyde	Target	430	U	ug/kg	430	U	1.0	YES	S3VEM
Phenol	Target	430	U	ug/kg	430	U	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	430	U	ug/kg	430	U	1.0	YES	S3VEM
2-Chlorophenol	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2-Methylphenol	Target	430	U	ug/kg	430	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	430	U	ug/kg	430	U	1.0	YES	S3VEM
Acetophenone	Target	430	U	ug/kg	430	U	1.0	YES	S3VEM
4-Methylphenol	Target	430	U	ug/kg	430	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Hexachloroethane	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Nitrobenzene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Isophorone	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2-Nitrophenol	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Naphthalene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
4-Chloroaniline	Target	430	U	ug/kg	430	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Caprolactam	Target	430	U	ug/kg	430	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	430	U	ug/kg	430	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2-Nitroaniline	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Dimethylphthalate	Target	77	J	ug/kg	77	J	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Acenaphthylene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
3-Nitroaniline	Target	430	U	ug/kg	430	U	1.0	YES	S3VEM
Acenaphthene	Target	230		ug/kg	230		1.0	YES	S3VEM
2,4-Dinitrophenol	Target	430	U	ug/kg	430	U	1.0	YES	S3VEM
4-Nitrophenol	Target	430	U	ug/kg	430	U	1.0	YES	S3VEM
Dibenzofuran	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Diethylphthalate	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Fluorene	Target	120	J	ug/kg	120	J	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
4-Nitroaniline	Target	430	U	ug/kg	430	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	430	U	ug/kg	430	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Atrazine	Target	430	U	ug/kg	430	U	1.0	YES	S3VEM
Pentachlorophenol	Target	430	U	ug/kg	430	U	1.0	YES	S3VEM
Phenanthrene	Target	2200		ug/kg	2200		1.0	YES	S3VEM
Anthracene	Target	470		ug/kg	470		1.0	YES	S3VEM
Carbazole	Target	390	J	ug/kg	390	J	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED26B

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Fluoranthene	Target	4500	J	ug/kg	4500	D	5.0	YES	S3VEM
Pyrene	Target	3700		ug/kg	3700	D	5.0	YES	S3VEM
Butylbenzylphthalate	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	430	U	ug/kg	430	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	2100		ug/kg	2100		1.0	YES	S3VEM
Chrysene	Target	2100		ug/kg	2100		1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	790		ug/kg	790		1.0	YES	S3VEM
Di-n-octyl phthalate	Target	430	U	ug/kg	430	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	2900		ug/kg	2900		1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	820		ug/kg	820		1.0	YES	S3VEM
Benzo(a)pyrene	Target	2300		ug/kg	2300		1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	1200		ug/kg	1200		1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	380		ug/kg	380		1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	1300		ug/kg	1300		1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Phenanthrene, 2-methyl-	TIC	420	JN	ug/kg	420	JN	1.0	YES	NV
Cyclopenta(cd)pyrene, 3,4-dihydro-	TIC	110	JN	ug/kg	110	JN	1.0	YES	NV
11H-Benzo[b]fluorene	TIC	170	JN	ug/kg	170	JN	1.0	YES	NV
Naphthalene, 2-phenyl-	TIC	100	JN	ug/kg	100	JN	1.0	YES	NV
Benzo[e]pyrene	TIC	840	JN	ug/kg	840	JN	1.0	YES	NV
Anthracene, 2-methyl-	TIC	150	JN	ug/kg	150	JN	1.0	YES	NV
4H-Cyclopenta[def]phenanthrene	TIC	460	JN	ug/kg	460	JN	1.0	YES	NV
Total Alkanes	TIC	220	B	ug/kg	220	B	1.0	YES	NV
Bicyclo[4.1.0]heptane-7-carboxamid	TIC	120	JN	ug/kg	120	JN	1.0	YES	NV
Dibenzothiophene	TIC	240	JN	ug/kg	240	JN	1.0	YES	NV
unknown-01	TIC	160	J	ug/kg	160	J	1.0	YES	NV
Fluoranthene, 2-methyl-	TIC	190	JN	ug/kg	190	JN	1.0	YES	NV
Benzo[b]naphtho[2,1-d]thiophene	TIC	110	JN	ug/kg	110	JN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED26B

Sample Number: BG514	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED09/SW09	pH:	Sample Date: 04/23/2021	Sample Time: 09:35:00
% Moisture:		% Solids: 76.4	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	9.3	U	ug/kg	9.3	U	1.0	YES	S3VEM
Chloromethane	Target	9.3	UJ	ug/kg	9.3	U	1.0	YES	S3VEM
Vinyl chloride	Target	9.3	U	ug/kg	9.3	U	1.0	YES	S3VEM
Bromomethane	Target	9.3	U	ug/kg	9.3	U	1.0	YES	S3VEM
Chloroethane	Target	9.3	U	ug/kg	9.3	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	9.3	UJ	ug/kg	9.3	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	9.3	UJ	ug/kg	9.3	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	9.3	U	ug/kg	9.3	U	1.0	YES	S3VEM
Acetone	Target	46		ug/kg	46		1.0	YES	S3VEM
Carbon disulfide	Target	4	J	ug/kg	4	J	1.0	YES	S3VEM
Methyl Acetate	Target	9.3	U	ug/kg	9.3	U	1.0	YES	S3VEM
Methylene chloride	Target	30		ug/kg	30		1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	9.3	UJ	ug/kg	9.3	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	9.3	U	ug/kg	9.3	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	9.3	U	ug/kg	9.3	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	9.3	UJ	ug/kg	9.3	U	1.0	YES	S3VEM
2-Butanone	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
Bromochloromethane	Target	9.3	U	ug/kg	9.3	U	1.0	YES	S3VEM
Chloroform	Target	9.3	U	ug/kg	9.3	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	9.3	U	ug/kg	9.3	U	1.0	YES	S3VEM
Cyclohexane	Target	1.6	J	ug/kg	1.6	J	1.0	YES	S3VEM
Carbon tetrachloride	Target	9.3	U	ug/kg	9.3	U	1.0	YES	S3VEM
Benzene	Target	3.8	J	ug/kg	3.8	J	1.0	YES	S3VEM
1,2-Dichloroethane	Target	9.3	U	ug/kg	9.3	U	1.0	YES	S3VEM
Trichloroethene	Target	9.3	U	ug/kg	9.3	U	1.0	YES	S3VEM
Methylcyclohexane	Target	3.1	J	ug/kg	3.1	J	1.0	YES	S3VEM
1,2-Dichloropropane	Target	9.3	U	ug/kg	9.3	U	1.0	YES	S3VEM
Bromodichloromethane	Target	9.3	U	ug/kg	9.3	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	9.3	U	ug/kg	9.3	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
Toluene	Target	9.3	U	ug/kg	1.2	JB	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	9.3	U	ug/kg	9.3	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	9.3	U	ug/kg	9.3	U	1.0	YES	S3VEM
Tetrachloroethene	Target	1.3	J	ug/kg	1.3	J	1.0	YES	S3VEM
2-Hexanone	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
Dibromochloromethane	Target	9.3	U	ug/kg	9.3	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	9.3	U	ug/kg	9.3	U	1.0	YES	S3VEM
Chlorobenzene	Target	1.3	J	ug/kg	1.3	J	1.0	YES	S3VEM
Ethylbenzene	Target	5.7	J	ug/kg	5.7	J	1.0	YES	S3VEM
o-Xylene	Target	7.6	J	ug/kg	7.6	J	1.0	YES	S3VEM
m,p-Xylene	Target	6.6	J	ug/kg	6.6	J	1.0	YES	S3VEM
Styrene	Target	9.3	U	ug/kg	9.3	U	1.0	YES	S3VEM
Bromoform	Target	9.3	UJ	ug/kg	9.3	U	1.0	YES	S3VEM
Isopropylbenzene	Target	4.9	J+	ug/kg	4.9	J	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	9.3	UJ	ug/kg	9.3	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	9.3	U	ug/kg	9.3	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	9.3	UJ	ug/kg	9.3	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	9.3	UJ	ug/kg	9.3	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	9.3	UJ	ug/kg	9.3	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	9.3	UJ	ug/kg	9.3	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	29	J+	ug/kg	29		1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	15	J+	ug/kg	15		1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED26B

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	9.3	UJ	ug/kg	9.3	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	9.3	UJ	ug/kg	9.3	U	1.0	YES	S3VEM
unknown-01	TIC	7.2	J	ug/kg	7.2	J	1.0	YES	NV
Total Alkanes	TIC	1600	BN	ug/kg	1600	BN	1.0	YES	NV
unknown-03	TIC	65	J	ug/kg	65	J	1.0	YES	NV
unknown-08	TIC	78	J	ug/kg	78	J	1.0	YES	NV
unknown-02	TIC	110	J	ug/kg	110	J	1.0	YES	NV
unknown-04	TIC	120	J	ug/kg	120	J	1.0	YES	NV
unknown-07	TIC	170	J	ug/kg	170	J	1.0	YES	NV
unknown-06	TIC	220	J	ug/kg	220	J	1.0	YES	NV
unknown-05	TIC	280	J	ug/kg	280	J	1.0	YES	NV
Benzene, 1,2,4,5-tetramethyl-	TIC	350	JN	ug/kg	350	JN	1.0	YES	NV
p-Cymene	TIC	570	JN	ug/kg	570	JN	1.0	YES	NV
Benzene, 1,4-diethyl-	TIC	120	JN	ug/kg	120	JN	1.0	YES	NV
Dimethyl ether	TIC	4.9	JBN	ug/kg	4.9	JBN	1.0	YES	NV
Benzene, 1,3-diethyl-	TIC	130	JN	ug/kg	130	JN	1.0	YES	NV
o-Cymene	TIC	80	JN	ug/kg	80	JN	1.0	YES	NV
Benzene, 1-methyl-3-(1-methylethyl	TIC	200	JN	ug/kg	200	JN	1.0	YES	NV
Benzene, pentamethyl-	TIC	410	JN	ug/kg	410	JN	1.0	YES	NV
Benzene, 1-ethyl-2,3-dimethyl-	TIC	66	JN	ug/kg	66	JN	1.0	YES	NV
Benzene, 4-ethyl-1,2-dimethyl-	TIC	520	JN	ug/kg	520	JN	1.0	YES	NV
Benzene, 1-methyl-4-(1-methylpropy	TIC	40	JN	ug/kg	40	JN	1.0	YES	NV
Benzene, 2-ethyl-1,4-dimethyl-	TIC	56	JN	ug/kg	56	JN	1.0	YES	NV
Benzene, 2-ethenyl-1,4-dimethyl-	TIC	90	JN	ug/kg	90	JN	1.0	YES	NV
Benzene, 1,3-diethyl-5-methyl-	TIC	260	JN	ug/kg	260	JN	1.0	YES	NV
Ethanone, 1-(1-methylcyclohexyl)-	TIC	50	JN	ug/kg	50	JN	1.0	YES	NV
Naphthalene, decahydro-2-methyl-	TIC	240	JN	ug/kg	240	JN	1.0	YES	NV
2-(p-Tolyl)ethylamine	TIC	110	JN	ug/kg	110	JN	1.0	YES	NV
Octadecane, 1-chloro-	TIC	150	JN	ug/kg	150	JN	1.0	YES	NV
Sulfur dioxide	TIC	9.8	JN	ug/kg	9.8	JN	1.0	YES	NV
2-Propenal, 3-(2-pyridinylamino)-	TIC	200	JN	ug/kg	200	JN	1.0	YES	NV
2-Methylbenzoic acid, 2,3-dichloro	TIC	360	JN	ug/kg	360	JN	1.0	YES	NV
unknown-09	TIC	42	J	ug/kg	42	J	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Sample Number: BG514ME	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED09/SW09	pH:	Sample Date: 04/23/2021	Sample Time: 09:35:00
% Moisture:		% Solids: 76.4	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	500	U	ug/kg	500	U	1.0	NO	S3VEM
Chloromethane	Target	500	U	ug/kg	500	U	1.0	NO	S3VEM
Vinyl chloride	Target	500	U	ug/kg	500	U	1.0	NO	S3VEM
Bromomethane	Target	500	U	ug/kg	500	U	1.0	NO	S3VEM
Chloroethane	Target	500	U	ug/kg	500	U	1.0	NO	S3VEM
Trichlorofluoromethane	Target	500	U	ug/kg	500	U	1.0	NO	S3VEM
1,1-Dichloroethene	Target	500	U	ug/kg	500	U	1.0	NO	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	500	U	ug/kg	500	U	1.0	NO	S3VEM
Acetone	Target	1000	U	ug/kg	1000	U	1.0	NO	S3VEM
Carbon disulfide	Target	500	U	ug/kg	500	U	1.0	NO	S3VEM
Methyl Acetate	Target	500	U	ug/kg	500	U	1.0	NO	S3VEM
Methylene chloride	Target	500	U	ug/kg	500	U	1.0	NO	S3VEM
trans-1,2-Dichloroethene	Target	500	U	ug/kg	500	U	1.0	NO	S3VEM
Methyl tert-butyl Ether	Target	500	U	ug/kg	500	U	1.0	NO	S3VEM
1,1-Dichloroethane	Target	500	U	ug/kg	500	U	1.0	NO	S3VEM
cis-1,2-Dichloroethene	Target	500	U	ug/kg	500	U	1.0	NO	S3VEM
2-Butanone	Target	1000	U	ug/kg	1000	U	1.0	NO	S3VEM
Bromochloromethane	Target	500	U	ug/kg	500	U	1.0	NO	S3VEM
Chloroform	Target	500	U	ug/kg	500	U	1.0	NO	S3VEM
1,1,1-Trichloroethane	Target	500	U	ug/kg	500	U	1.0	NO	S3VEM
Cyclohexane	Target	500	U	ug/kg	500	U	1.0	NO	S3VEM
Carbon tetrachloride	Target	500	U	ug/kg	500	U	1.0	NO	S3VEM
Benzene	Target	500	U	ug/kg	500	U	1.0	NO	S3VEM
1,2-Dichloroethane	Target	500	U	ug/kg	500	U	1.0	NO	S3VEM
Trichloroethene	Target	500	U	ug/kg	500	U	1.0	NO	S3VEM
Methylcyclohexane	Target	500	U	ug/kg	500	U	1.0	NO	S3VEM
1,2-Dichloropropane	Target	500	U	ug/kg	500	U	1.0	NO	S3VEM
Bromodichloromethane	Target	500	U	ug/kg	500	U	1.0	NO	S3VEM
cis-1,3-Dichloropropene	Target	500	U	ug/kg	500	U	1.0	NO	S3VEM
4-Methyl-2-pentanone	Target	1000	U	ug/kg	1000	U	1.0	NO	S3VEM
Toluene	Target	500	U	ug/kg	500	U	1.0	NO	S3VEM
trans-1,3-Dichloropropene	Target	500	U	ug/kg	500	U	1.0	NO	S3VEM
1,1,2-Trichloroethane	Target	500	U	ug/kg	500	U	1.0	NO	S3VEM
Tetrachloroethene	Target	500	U	ug/kg	500	U	1.0	NO	S3VEM
2-Hexanone	Target	1000	U	ug/kg	1000	U	1.0	NO	S3VEM
Dibromochloromethane	Target	500	U	ug/kg	500	U	1.0	NO	S3VEM
1,2-Dibromoethane	Target	500	U	ug/kg	500	U	1.0	NO	S3VEM
Chlorobenzene	Target	500	U	ug/kg	500	U	1.0	NO	S3VEM
Ethylbenzene	Target	500	U	ug/kg	500	U	1.0	NO	S3VEM
o-Xylene	Target	500	U	ug/kg	500	U	1.0	NO	S3VEM
m,p-Xylene	Target	500	U	ug/kg	500	U	1.0	NO	S3VEM
Styrene	Target	500	U	ug/kg	500	U	1.0	NO	S3VEM
Bromoform	Target	500	U	ug/kg	500	U	1.0	NO	S3VEM
Isopropylbenzene	Target	500	U	ug/kg	500	U	1.0	NO	S3VEM
1,2,3-Trichloropropane	Target	500	U	ug/kg	500	U	1.0	NO	S3VEM
1,1,2,2-Tetrachloroethane	Target	500	U	ug/kg	500	U	1.0	NO	S3VEM
1,3-Dichlorobenzene	Target	500	U	ug/kg	500	U	1.0	NO	S3VEM
1,4-Dichlorobenzene	Target	500	U	ug/kg	500	U	1.0	NO	S3VEM
1,2-Dichlorobenzene	Target	500	U	ug/kg	500	U	1.0	NO	S3VEM
1,2-Dibromo-3-chloropropane	Target	500	U	ug/kg	500	U	1.0	NO	S3VEM
1,2,4-Trimethylbenzene	Target	110		ug/kg	110	J	1.0	NO	S3VEM
1,3,5-Trimethylbenzene	Target	500	U	ug/kg	500	U	1.0	NO	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	500	U	ug/kg	500	U	1.0	NO	S3VEM
1,2,3-Trichlorobenzene	Target	500	U	ug/kg	500	U	1.0	NO	S3VEM
unknown-01	TIC	630	J	ug/kg	630	J	1.0	NO	NV
Total Alkanes	TIC	1200	BN	ug/kg	1200	BN	1.0	NO	NV
unknown-02	TIC	840	J	ug/kg	840	J	1.0	NO	NV
unknown-05	TIC	1500	J	ug/kg	1500	J	1.0	NO	NV
unknown-03	TIC	1900	J	ug/kg	1900	J	1.0	NO	NV
unknown-06	TIC	2000	J	ug/kg	2000	J	1.0	NO	NV
Benzene, 1,2,4,5-tetramethyl-	TIC	1900	JN	ug/kg	1900	JN	1.0	NO	NV
Benzene, 1,2,3,4-tetramethyl-	TIC	2500	JN	ug/kg	2500	JN	1.0	NO	NV
Naphthalene, 1,4-dimethyl-	TIC	450	JN	ug/kg	450	JN	1.0	NO	NV
Benzene, 1-ethyl-2,3-dimethyl-	TIC	1900	JN	ug/kg	1900	JN	1.0	NO	NV
Benzene, 1-methyl-4-propyl-	TIC	930	JN	ug/kg	930	JN	1.0	NO	NV
Benzene, 1-(1,1-dimethylethyl)-3-m	TIC	410	JN	ug/kg	410	JN	1.0	NO	NV
Benzene, 1-methyl-4-(1-methylpropy	TIC	1600	JN	ug/kg	1600	JN	1.0	NO	NV
Benzene, 2-ethyl-1,4-dimethyl-	TIC	680	JN	ug/kg	680	JN	1.0	NO	NV
Benzene, 1,3-diethyl-5-methyl-	TIC	830	JN	ug/kg	830	JN	1.0	NO	NV
4,5-Dimethyl-3H-isobenzofuran-1-on	TIC	440	JN	ug/kg	440	JN	1.0	NO	NV
3,4-Dimethylcumene	TIC	2600	JN	ug/kg	2600	JN	1.0	NO	NV
unknown-04	TIC	810	J	ug/kg	810	J	1.0	NO	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED26C

Sample Number: BG515	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: SED07	pH:	Sample Date: 04/26/2021	Sample Time: 09:25:00
% Moisture:		% Solids: 36.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	89	U	ug/kg	89	U	1.0	YES	S3VEM
Aroclor-1221	Target	89	U	ug/kg	89	U	1.0	YES	S3VEM
Aroclor-1232	Target	89	U	ug/kg	89	U	1.0	YES	S3VEM
Aroclor-1242	Target	89	U	ug/kg	89	U	1.0	YES	S3VEM
Aroclor-1248	Target	71	J	ug/kg	71	J	1.0	YES	S3VEM
Aroclor-1254	Target	43	J	ug/kg	43	J	1.0	YES	S3VEM
Aroclor-1260	Target	89	U	ug/kg	89	U	1.0	YES	S3VEM
Aroclor-1262	Target	89	U	ug/kg	89	U	1.0	YES	S3VEM
Aroclor-1268	Target	89	U	ug/kg	89	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED26C

Sample Number: BG515	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: SED07	pH:	Sample Date: 04/26/2021	Sample Time: 09:25:00
% Moisture:		% Solids: 36.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	4.6	U	ug/kg	4.6	U	1.0	YES	S3VEM
beta-BHC	Target	4.6	U	ug/kg	4.6	U	1.0	YES	S3VEM
delta-BHC	Target	1.8	J	ug/kg	1.8	JP	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.60	J	ug/kg	0.60	JP	1.0	YES	S3VEM
Heptachlor	Target	4.6	U	ug/kg	4.6	U	1.0	YES	S3VEM
Aldrin	Target	4.6	U	ug/kg	4.6	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	4.6	U	ug/kg	4.6	U	1.0	YES	S3VEM
Endosulfan I	Target	4.6	U	ug/kg	4.6	U	1.0	YES	S3VEM
Dieldrin	Target	1.5	NJ	ug/kg	1.5	JP	1.0	YES	S3VEM
4,4'-DDE	Target	4.3	J	ug/kg	4.3	JP	1.0	YES	S3VEM
Endrin	Target	0.92	J	ug/kg	0.92	JP	1.0	YES	S3VEM
Endosulfan II	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S3VEM
4,4'-DDD	Target	2.3	J	ug/kg	2.3	JP	1.0	YES	S3VEM
Endosulfan Sulfate	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S3VEM
4,4'-DDT	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S3VEM
Methoxychlor	Target	46	U	ug/kg	46	U	1.0	YES	S3VEM
Endrin ketone	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S3VEM
cis-Chlordane	Target	2.7	J	ug/kg	2.7	JP	1.0	YES	S3VEM
trans-Chlordane	Target	4.0	J	ug/kg	4.0	JP	1.0	YES	S3VEM
Toxaphene	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED26C

Sample Number: BG515	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SED07	pH:	Sample Date: 04/26/2021	Sample Time: 09:25:00
% Moisture:		% Solids: 36.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Benzaldehyde	Target	890	U	ug/kg	890	U	1.0	YES	S3VEM
Phenol	Target	890	U	ug/kg	890	U	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	890	U	ug/kg	890	U	1.0	YES	S3VEM
2-Chlorophenol	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
2-Methylphenol	Target	890	U	ug/kg	890	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	890	U	ug/kg	890	U	1.0	YES	S3VEM
Acetophenone	Target	890	U	ug/kg	890	U	1.0	YES	S3VEM
4-Methylphenol	Target	890	U	ug/kg	890	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Hexachloroethane	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Nitrobenzene	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Isophorone	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
2-Nitrophenol	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Naphthalene	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
4-Chloroaniline	Target	890	U	ug/kg	890	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Caprolactam	Target	890	U	ug/kg	890	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	890	U	ug/kg	890	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
2-Nitroaniline	Target	460	UJ	ug/kg	460	U	1.0	YES	S3VEM
Dimethylphthalate	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Acenaphthylene	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
3-Nitroaniline	Target	890	UJ	ug/kg	890	U	1.0	YES	S3VEM
Acenaphthene	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	890	UJ	ug/kg	890	U	1.0	YES	S3VEM
4-Nitrophenol	Target	890	UJ	ug/kg	890	U	1.0	YES	S3VEM
Dibenzofuran	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Diethylphthalate	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Fluorene	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
4-Nitroaniline	Target	890	UJ	ug/kg	890	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	890	UJ	ug/kg	890	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Atrazine	Target	890	U	ug/kg	890	U	1.0	YES	S3VEM
Pentachlorophenol	Target	890	U	ug/kg	890	U	1.0	YES	S3VEM
Phenanthrene	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED26C

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Anthracene	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Carbazole	Target	890	U	ug/kg	890	U	1.0	YES	S3VEM
Di-n-butylphthalate	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Fluoranthene	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Pyrene	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Butylbenzylphthalate	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	890	U	ug/kg	890	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Chrysene	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	160	J	ug/kg	160	J	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	890	U	ug/kg	890	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Total Alkanes	TIC	840	B	ug/kg	840	B	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED26C

Sample Number: BG515	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED07	pH:	Sample Date: 04/26/2021	Sample Time: 09:25:00
% Moisture:		% Solids: 36.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	17	U	ug/kg	17	U	1.0	YES	S3VEM
Chloromethane	Target	17	UJ	ug/kg	17	U	1.0	YES	S3VEM
Vinyl chloride	Target	17	U	ug/kg	17	U	1.0	YES	S3VEM
Bromomethane	Target	17	U	ug/kg	17	U	1.0	YES	S3VEM
Chloroethane	Target	17	U	ug/kg	17	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	17	U	ug/kg	17	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	17	UJ	ug/kg	17	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	17	U	ug/kg	17	U	1.0	YES	S3VEM
Acetone	Target	440		ug/kg	440		1.0	YES	S3VEM
Carbon disulfide	Target	11	J	ug/kg	11	J	1.0	YES	S3VEM
Methyl Acetate	Target	17	U	ug/kg	17	U	1.0	YES	S3VEM
Methylene chloride	Target	34		ug/kg	34	B	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	17	UJ	ug/kg	17	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	17	U	ug/kg	17	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	17	U	ug/kg	17	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	17	UJ	ug/kg	17	U	1.0	YES	S3VEM
2-Butanone	Target	110		ug/kg	110		1.0	YES	S3VEM
Bromochloromethane	Target	17	U	ug/kg	17	U	1.0	YES	S3VEM
Chloroform	Target	17	U	ug/kg	17	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	17	U	ug/kg	17	U	1.0	YES	S3VEM
Cyclohexane	Target	17	U	ug/kg	17	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	17	U	ug/kg	17	U	1.0	YES	S3VEM
Benzene	Target	3.2	J	ug/kg	3.2	J	1.0	YES	S3VEM
1,2-Dichloroethane	Target	17	U	ug/kg	17	U	1.0	YES	S3VEM
Trichloroethene	Target	17	U	ug/kg	17	U	1.0	YES	S3VEM
Methylcyclohexane	Target	6.2	J	ug/kg	6.2	J	1.0	YES	S3VEM
1,2-Dichloropropane	Target	17	U	ug/kg	17	U	1.0	YES	S3VEM
Bromodichloromethane	Target	17	U	ug/kg	17	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	17	U	ug/kg	17	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	34	U	ug/kg	34	U	1.0	YES	S3VEM
Toluene	Target	17	U	ug/kg	17	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	17	U	ug/kg	17	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	17	U	ug/kg	17	U	1.0	YES	S3VEM
Tetrachloroethene	Target	17	U	ug/kg	17	U	1.0	YES	S3VEM
2-Hexanone	Target	34	U	ug/kg	34	U	1.0	YES	S3VEM
Dibromochloromethane	Target	17	U	ug/kg	17	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	17	U	ug/kg	17	U	1.0	YES	S3VEM
Chlorobenzene	Target	17	U	ug/kg	17	U	1.0	YES	S3VEM
Ethylbenzene	Target	17	U	ug/kg	17	U	1.0	YES	S3VEM
o-Xylene	Target	7.7	J	ug/kg	7.7	J	1.0	YES	S3VEM
m,p-Xylene	Target	17	U	ug/kg	17	U	1.0	YES	S3VEM
Styrene	Target	17	U	ug/kg	17	U	1.0	YES	S3VEM
Bromoform	Target	17	U	ug/kg	17	U	1.0	YES	S3VEM
Isopropylbenzene	Target	17	U	ug/kg	17	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	17	U	ug/kg	17	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	17	U	ug/kg	17	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	17	U	ug/kg	17	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	17	U	ug/kg	17	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	17	U	ug/kg	17	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	17	U	ug/kg	17	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	14	J	ug/kg	14	J	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	12	J	ug/kg	12	J	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED26C

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	17	U	ug/kg	17	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	17	U	ug/kg	17	U	1.0	YES	S3VEM
unknown-01	TIC	13	J	ug/kg	13	J	1.0	YES	NV
unknown-03	TIC	38	J	ug/kg	38	J	1.0	YES	NV
unknown-04	TIC	44	J	ug/kg	44	J	1.0	YES	NV
unknown-02	TIC	59	J	ug/kg	59	J	1.0	YES	NV
unknown-05	TIC	72	J	ug/kg	72	J	1.0	YES	NV
Total Alkanes	TIC	2200	BN	ug/kg	2200	BN	1.0	YES	NV
Acetamide, N-(2-fluorophenyl)-	TIC	9.9	JN	ug/kg	9.9	JN	1.0	YES	NV
Ethanone, 1-(1-methylcyclohexyl)-	TIC	120	JN	ug/kg	120	JN	1.0	YES	NV
2-Bromo dodecane	TIC	83	JN	ug/kg	83	JN	1.0	YES	NV
Benzene, 1-ethyl-2,4,5-trimethyl-	TIC	40	JN	ug/kg	40	JN	1.0	YES	NV
Sulfurous acid, butyl nonyl ester	TIC	97	JN	ug/kg	97	JN	1.0	YES	NV
unknown-06	TIC	100	J	ug/kg	100	J	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED07A

Sample Number: BG576	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: SED07	pH:	Sample Date: 04/26/2021	Sample Time: 08:55:00
% Moisture:		% Solids: 32.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	100	U	ug/kg	100	U	1.0	YES	S3VEM
Aroclor-1221	Target	100	U	ug/kg	100	U	1.0	YES	S3VEM
Aroclor-1232	Target	100	U	ug/kg	100	U	1.0	YES	S3VEM
Aroclor-1242	Target	100	U	ug/kg	100	U	1.0	YES	S3VEM
Aroclor-1248	Target	33	J	ug/kg	33	J	1.0	YES	S3VEM
Aroclor-1254	Target	18	J	ug/kg	18	J	1.0	YES	S3VEM
Aroclor-1260	Target	100	U	ug/kg	100	U	1.0	YES	S3VEM
Aroclor-1262	Target	100	U	ug/kg	100	U	1.0	YES	S3VEM
Aroclor-1268	Target	100	U	ug/kg	100	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED07A

Sample Number: BG576	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: SED07	pH:	Sample Date: 04/26/2021	Sample Time: 08:55:00
% Moisture:		% Solids: 32.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
beta-BHC	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
delta-BHC	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
Heptachlor	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
Aldrin	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
Endosulfan I	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
Dieldrin	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.50	J	ug/kg	0.50	JP	1.0	YES	S3VEM
Endrin	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Endosulfan II	Target	0.97	J	ug/kg	0.97	J	1.0	YES	S3VEM
4,4'-DDD	Target	0.52	J	ug/kg	0.52	JP	1.0	YES	S3VEM
Endosulfan Sulfate	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
4,4'-DDT	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Methoxychlor	Target	52	U	ug/kg	52	U	1.0	YES	S3VEM
Endrin ketone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.74	J	ug/kg	0.74	JP	1.0	YES	S3VEM
trans-Chlordane	Target	0.93	NJ	ug/kg	0.93	JP	1.0	YES	S3VEM
Toxaphene	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED07A

Sample Number: BG576	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SED07	pH:	Sample Date: 04/26/2021	Sample Time: 08:55:00
% Moisture:		% Solids: 32.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Benzaldehyde	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VEM
Phenol	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VEM
2-Chlorophenol	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
2-Methylphenol	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VEM
Acetophenone	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VEM
4-Methylphenol	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
Hexachloroethane	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
Nitrobenzene	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
Isophorone	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
2-Nitrophenol	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
Naphthalene	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
4-Chloroaniline	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
Caprolactam	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
2-Nitroaniline	Target	520	UJ	ug/kg	520	U	1.0	YES	S3VEM
Dimethylphthalate	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
Acenaphthylene	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
3-Nitroaniline	Target	1000	UJ	ug/kg	1000	U	1.0	YES	S3VEM
Acenaphthene	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	1000	UJ	ug/kg	1000	U	1.0	YES	S3VEM
4-Nitrophenol	Target	1000	UJ	ug/kg	1000	U	1.0	YES	S3VEM
Dibenzofuran	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
Diethylphthalate	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
Fluorene	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
4-Nitroaniline	Target	1000	UJ	ug/kg	1000	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	1000	UJ	ug/kg	1000	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
Atrazine	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VEM
Pentachlorophenol	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VEM
Phenanthrene	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED07A

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Anthracene	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
Carbazole	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VEM
Di-n-butylphthalate	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
Fluoranthene	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
Pyrene	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
Butylbenzylphthalate	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
Chrysene	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	110	J	ug/kg	110	J	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV
Eicosyl trifluoroacetate	TIC	240	JN	ug/kg	240	JN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED07A

Sample Number: BG576	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED07	pH:	Sample Date: 04/26/2021	Sample Time: 08:55:00
% Moisture:		% Solids: 32.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	21	U	ug/kg	21	U	1.0	YES	S3VEM
Chloromethane	Target	21	U	ug/kg	21	U	1.0	YES	S3VEM
Vinyl chloride	Target	21	U	ug/kg	21	U	1.0	YES	S3VEM
Bromomethane	Target	21	U	ug/kg	21	U	1.0	YES	S3VEM
Chloroethane	Target	21	U	ug/kg	21	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	21	U	ug/kg	21	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	21	U	ug/kg	21	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	21	U	ug/kg	21	U	1.0	YES	S3VEM
Acetone	Target	190		ug/kg	190		1.0	YES	S3VEM
Carbon disulfide	Target	11	J	ug/kg	11	J	1.0	YES	S3VEM
Methyl Acetate	Target	21	U	ug/kg	21	U	1.0	YES	S3VEM
Methylene chloride	Target	29		ug/kg	29	B	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	21	U	ug/kg	21	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	21	U	ug/kg	21	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	21	U	ug/kg	21	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	21	U	ug/kg	21	U	1.0	YES	S3VEM
2-Butanone	Target	53		ug/kg	53		1.0	YES	S3VEM
Bromochloromethane	Target	21	U	ug/kg	21	U	1.0	YES	S3VEM
Chloroform	Target	21	U	ug/kg	21	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	21	U	ug/kg	21	U	1.0	YES	S3VEM
Cyclohexane	Target	21	U	ug/kg	21	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	21	U	ug/kg	21	U	1.0	YES	S3VEM
Benzene	Target	21	U	ug/kg	21	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	21	U	ug/kg	21	U	1.0	YES	S3VEM
Trichloroethene	Target	21	U	ug/kg	21	U	1.0	YES	S3VEM
Methylcyclohexane	Target	21	U	ug/kg	21	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	21	U	ug/kg	21	U	1.0	YES	S3VEM
Bromodichloromethane	Target	21	U	ug/kg	21	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	21	U	ug/kg	21	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	43	U	ug/kg	43	U	1.0	YES	S3VEM
Toluene	Target	21	U	ug/kg	4.4	JB	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	21	U	ug/kg	21	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	21	U	ug/kg	21	U	1.0	YES	S3VEM
Tetrachloroethene	Target	21	U	ug/kg	21	U	1.0	YES	S3VEM
2-Hexanone	Target	43	U	ug/kg	43	U	1.0	YES	S3VEM
Dibromochloromethane	Target	21	U	ug/kg	21	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	21	U	ug/kg	21	U	1.0	YES	S3VEM
Chlorobenzene	Target	21	U	ug/kg	21	U	1.0	YES	S3VEM
Ethylbenzene	Target	21	U	ug/kg	21	U	1.0	YES	S3VEM
o-Xylene	Target	5.7	J	ug/kg	5.7	J	1.0	YES	S3VEM
m,p-Xylene	Target	21	U	ug/kg	21	U	1.0	YES	S3VEM
Styrene	Target	21	U	ug/kg	21	U	1.0	YES	S3VEM
Bromoform	Target	21	UJ	ug/kg	21	U	1.0	YES	S3VEM
Isopropylbenzene	Target	21	UJ	ug/kg	21	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	21	UJ	ug/kg	21	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	21	U	ug/kg	21	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	21	UJ	ug/kg	21	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	21	UJ	ug/kg	21	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	21	UJ	ug/kg	21	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	21	UJ	ug/kg	21	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	8.6	J+	ug/kg	8.6	J	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	6.5	J+	ug/kg	6.5	J	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED07A

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	21	UJ	ug/kg	21	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	21	UJ	ug/kg	21	U	1.0	YES	S3VEM
Oxalic acid, cyclohexylmethyl isoh	TIC	90	JN	ug/kg	90	JN	1.0	YES	NV
Sulfurous acid, butyl nonyl ester	TIC	31	JN	ug/kg	31	JN	1.0	YES	NV
Naphthalene, decahydro-2-methyl-	TIC	89	JN	ug/kg	89	JN	1.0	YES	NV
Dimethyl sulfide	TIC	34	JN	ug/kg	34	JN	1.0	YES	NV
unknown-02	TIC	130	J	ug/kg	130	J	1.0	YES	NV
unknown-01	TIC	120	J	ug/kg	120	J	1.0	YES	NV
Total Alkanes	TIC	2400	BN	ug/kg	2400	BN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Sample Number: BG576ME	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED07	pH:	Sample Date: 04/26/2021	Sample Time: 08:55:00
% Moisture:		% Solids: 32.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	1800	U	ug/kg	1800	U	1.0	NO	S3VEM
Chloromethane	Target	1800	U	ug/kg	1800	U	1.0	NO	S3VEM
Vinyl chloride	Target	1800	U	ug/kg	1800	U	1.0	NO	S3VEM
Bromomethane	Target	1800	U	ug/kg	1800	U	1.0	NO	S3VEM
Chloroethane	Target	1800	U	ug/kg	1800	U	1.0	NO	S3VEM
Trichlorofluoromethane	Target	1800	U	ug/kg	1800	U	1.0	NO	S3VEM
1,1-Dichloroethene	Target	1800	U	ug/kg	1800	U	1.0	NO	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	1800	U	ug/kg	1800	U	1.0	NO	S3VEM
Acetone	Target	3600	U	ug/kg	3600	U	1.0	NO	S3VEM
Carbon disulfide	Target	1800	U	ug/kg	1800	U	1.0	NO	S3VEM
Methyl Acetate	Target	1800	U	ug/kg	1800	U	1.0	NO	S3VEM
Methylene chloride	Target	1800	U	ug/kg	1800	U	1.0	NO	S3VEM
trans-1,2-Dichloroethene	Target	1800	U	ug/kg	1800	U	1.0	NO	S3VEM
Methyl tert-butyl Ether	Target	1800	U	ug/kg	1800	U	1.0	NO	S3VEM
1,1-Dichloroethane	Target	1800	U	ug/kg	1800	U	1.0	NO	S3VEM
cis-1,2-Dichloroethene	Target	1800	U	ug/kg	1800	U	1.0	NO	S3VEM
2-Butanone	Target	3600	U	ug/kg	3600	U	1.0	NO	S3VEM
Bromochloromethane	Target	1800	U	ug/kg	1800	U	1.0	NO	S3VEM
Chloroform	Target	1800	U	ug/kg	1800	U	1.0	NO	S3VEM
1,1,1-Trichloroethane	Target	1800	U	ug/kg	1800	U	1.0	NO	S3VEM
Cyclohexane	Target	1800	U	ug/kg	1800	U	1.0	NO	S3VEM
Carbon tetrachloride	Target	1800	U	ug/kg	1800	U	1.0	NO	S3VEM
Benzene	Target	1800	U	ug/kg	1800	U	1.0	NO	S3VEM
1,2-Dichloroethane	Target	1800	U	ug/kg	1800	U	1.0	NO	S3VEM
Trichloroethene	Target	1800	U	ug/kg	1800	U	1.0	NO	S3VEM
Methylcyclohexane	Target	1800	U	ug/kg	1800	U	1.0	NO	S3VEM
1,2-Dichloropropane	Target	1800	U	ug/kg	1800	U	1.0	NO	S3VEM
Bromodichloromethane	Target	1800	U	ug/kg	1800	U	1.0	NO	S3VEM
cis-1,3-Dichloropropene	Target	1800	U	ug/kg	1800	U	1.0	NO	S3VEM
4-Methyl-2-pentanone	Target	3600	U	ug/kg	3600	U	1.0	NO	S3VEM
Toluene	Target	1800	U	ug/kg	1800	U	1.0	NO	S3VEM
trans-1,3-Dichloropropene	Target	1800	U	ug/kg	1800	U	1.0	NO	S3VEM
1,1,2-Trichloroethane	Target	1800	U	ug/kg	1800	U	1.0	NO	S3VEM
Tetrachloroethene	Target	1800	U	ug/kg	1800	U	1.0	NO	S3VEM
2-Hexanone	Target	3600	U	ug/kg	3600	U	1.0	NO	S3VEM
Dibromochloromethane	Target	1800	U	ug/kg	1800	U	1.0	NO	S3VEM
1,2-Dibromoethane	Target	1800	U	ug/kg	1800	U	1.0	NO	S3VEM
Chlorobenzene	Target	1800	U	ug/kg	1800	U	1.0	NO	S3VEM
Ethylbenzene	Target	1800	U	ug/kg	1800	U	1.0	NO	S3VEM
o-Xylene	Target	1800	U	ug/kg	1800	U	1.0	NO	S3VEM
m,p-Xylene	Target	1800	U	ug/kg	1800	U	1.0	NO	S3VEM
Styrene	Target	1800	U	ug/kg	1800	U	1.0	NO	S3VEM
Bromoform	Target	1800	U	ug/kg	1800	U	1.0	NO	S3VEM
Isopropylbenzene	Target	1800	U	ug/kg	1800	U	1.0	NO	S3VEM
1,2,3-Trichloropropane	Target	1800	U	ug/kg	1800	U	1.0	NO	S3VEM
1,1,2,2-Tetrachloroethane	Target	1800	U	ug/kg	1800	U	1.0	NO	S3VEM
1,3-Dichlorobenzene	Target	1800	U	ug/kg	1800	U	1.0	NO	S3VEM
1,4-Dichlorobenzene	Target	1800	U	ug/kg	1800	U	1.0	NO	S3VEM
1,2-Dichlorobenzene	Target	1800	U	ug/kg	1800	U	1.0	NO	S3VEM
1,2-Dibromo-3-chloropropane	Target	1800	U	ug/kg	1800	U	1.0	NO	S3VEM
1,2,4-Trimethylbenzene	Target	1800	U	ug/kg	1800	U	1.0	NO	S3VEM
1,3,5-Trimethylbenzene	Target	1800	U	ug/kg	1800	U	1.0	NO	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	1800	U	ug/kg	1800	U	1.0	NO	S3VEM
1,2,3-Trichlorobenzene	Target	1800	U	ug/kg	1800	U	1.0	NO	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	NO	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Sample Number: BG576MS	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 04/26/2021	Sample Time: 08:55:00
% Moisture:		% Solids: 32.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Spike	340		ug/kg	340		1.0	YES	S3VEM
Aroclor-1221	Target	100	U	ug/kg	100	U	1.0	YES	S3VEM
Aroclor-1232	Target	100	U	ug/kg	100	U	1.0	YES	S3VEM
Aroclor-1242	Target	100	U	ug/kg	100	U	1.0	YES	S3VEM
Aroclor-1248	Target	230		ug/kg	230		1.0	YES	S3VEM
Aroclor-1254	Target	110		ug/kg	110		1.0	YES	S3VEM
Aroclor-1260	Spike	280		ug/kg	280		1.0	YES	S3VEM
Aroclor-1262	Target	100	U	ug/kg	100	U	1.0	YES	S3VEM
Aroclor-1268	Target	100	U	ug/kg	100	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Sample Number: BG576MS	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 04/26/2021	Sample Time: 08:55:00
% Moisture:		% Solids: 32.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Spike	26		ug/kg	26	*	1.0	YES	S3VEM
beta-BHC	Spike	26		ug/kg	26	*	1.0	YES	S3VEM
delta-BHC	Spike	13		ug/kg	13	*	1.0	YES	S3VEM
gamma-BHC (Lindane)	Spike	27		ug/kg	27		1.0	YES	S3VEM
Heptachlor	Spike	28		ug/kg	28		1.0	YES	S3VEM
Aldrin	Spike	28		ug/kg	28		1.0	YES	S3VEM
Heptachlor epoxide	Spike	27		ug/kg	27	*	1.0	YES	S3VEM
Endosulfan I	Spike	27		ug/kg	27	*	1.0	YES	S3VEM
Dieldrin	Spike	54		ug/kg	54		1.0	YES	S3VEM
4,4'-DDE	Spike	53		ug/kg	53	*	1.0	YES	S3VEM
Endrin	Spike	55		ug/kg	55		1.0	YES	S3VEM
Endosulfan II	Spike	57		ug/kg	57	*	1.0	YES	S3VEM
4,4'-DDD	Spike	58		ug/kg	58	*	1.0	YES	S3VEM
Endosulfan Sulfate	Spike	46		ug/kg	46	*	1.0	YES	S3VEM
4,4'-DDT	Spike	54		ug/kg	54		1.0	YES	S3VEM
Methoxychlor	Spike	260		ug/kg	260	*	1.0	YES	S3VEM
Endrin ketone	Spike	54		ug/kg	54	*	1.0	YES	S3VEM
Endrin Aldehyde	Spike	53		ug/kg	53	*	1.0	YES	S3VEM
cis-Chlordane	Spike	28		ug/kg	28	*	1.0	YES	S3VEM
trans-Chlordane	Spike	30		ug/kg	30	*	1.0	YES	S3VEM
Toxaphene	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Sample Number: BG576MSD	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 04/26/2021	Sample Time: 08:55:00
% Moisture:		% Solids: 32.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Spike	340		ug/kg	340		1.0	YES	S3VEM
Aroclor-1221	Target	100	U	ug/kg	100	U	1.0	YES	S3VEM
Aroclor-1232	Target	100	U	ug/kg	100	U	1.0	YES	S3VEM
Aroclor-1242	Target	100	U	ug/kg	100	U	1.0	YES	S3VEM
Aroclor-1248	Target	220	J	ug/kg	220	P	1.0	YES	S3VEM
Aroclor-1254	Target	110		ug/kg	110		1.0	YES	S3VEM
Aroclor-1260	Spike	290		ug/kg	290		1.0	YES	S3VEM
Aroclor-1262	Target	100	U	ug/kg	100	U	1.0	YES	S3VEM
Aroclor-1268	Target	100	U	ug/kg	100	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Sample Number: BG576MSD	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 04/26/2021	Sample Time: 08:55:00
% Moisture:		% Solids: 32.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Spike	26		ug/kg	26	*	1.0	YES	S3VEM
beta-BHC	Spike	26		ug/kg	26	*	1.0	YES	S3VEM
delta-BHC	Spike	13		ug/kg	13	*	1.0	YES	S3VEM
gamma-BHC (Lindane)	Spike	27		ug/kg	27		1.0	YES	S3VEM
Heptachlor	Spike	28		ug/kg	28		1.0	YES	S3VEM
Aldrin	Spike	28		ug/kg	28		1.0	YES	S3VEM
Heptachlor epoxide	Spike	27		ug/kg	27	*	1.0	YES	S3VEM
Endosulfan I	Spike	27		ug/kg	27	*	1.0	YES	S3VEM
Dieldrin	Spike	55		ug/kg	55		1.0	YES	S3VEM
4,4'-DDE	Spike	54		ug/kg	54	*	1.0	YES	S3VEM
Endrin	Spike	56		ug/kg	56		1.0	YES	S3VEM
Endosulfan II	Spike	59		ug/kg	59	*	1.0	YES	S3VEM
4,4'-DDD	Spike	58		ug/kg	58	*	1.0	YES	S3VEM
Endosulfan Sulfate	Spike	47		ug/kg	47	*	1.0	YES	S3VEM
4,4'-DDT	Spike	55		ug/kg	55		1.0	YES	S3VEM
Methoxychlor	Spike	270		ug/kg	270	*	1.0	YES	S3VEM
Endrin ketone	Spike	55		ug/kg	55	*	1.0	YES	S3VEM
Endrin Aldehyde	Spike	55		ug/kg	55	*	1.0	YES	S3VEM
cis-Chlordane	Spike	28		ug/kg	28	*	1.0	YES	S3VEM
trans-Chlordane	Spike	30		ug/kg	30	*	1.0	YES	S3VEM
Toxaphene	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED07B

Sample Number: BG577	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: SED07	pH:	Sample Date: 04/26/2021	Sample Time: 09:05:00
% Moisture:		% Solids: 37	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	89	U	ug/kg	89	U	1.0	YES	S3VEM
Aroclor-1221	Target	89	U	ug/kg	89	U	1.0	YES	S3VEM
Aroclor-1232	Target	89	U	ug/kg	89	U	1.0	YES	S3VEM
Aroclor-1242	Target	89	U	ug/kg	89	U	1.0	YES	S3VEM
Aroclor-1248	Target	78	J	ug/kg	78	J	1.0	YES	S3VEM
Aroclor-1254	Target	39	J	ug/kg	39	J	1.0	YES	S3VEM
Aroclor-1260	Target	89	U	ug/kg	89	U	1.0	YES	S3VEM
Aroclor-1262	Target	89	U	ug/kg	89	U	1.0	YES	S3VEM
Aroclor-1268	Target	89	U	ug/kg	89	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED07B

Sample Number: BG577	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: SED07	pH:	Sample Date: 04/26/2021	Sample Time: 09:05:00
% Moisture:		% Solids: 37	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	4.6	U	ug/kg	4.6	U	1.0	YES	S3VEM
beta-BHC	Target	4.6	U	ug/kg	4.6	U	1.0	YES	S3VEM
delta-BHC	Target	2.0	J	ug/kg	2.0	JP	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	4.6	U	ug/kg	4.6	U	1.0	YES	S3VEM
Heptachlor	Target	4.6	U	ug/kg	4.6	U	1.0	YES	S3VEM
Aldrin	Target	4.6	U	ug/kg	4.6	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	4.6	U	ug/kg	4.6	U	1.0	YES	S3VEM
Endosulfan I	Target	4.6	U	ug/kg	4.6	U	1.0	YES	S3VEM
Dieldrin	Target	1.2	NJ	ug/kg	1.2	JP	1.0	YES	S3VEM
4,4'-DDE	Target	2.7	J	ug/kg	2.7	JP	1.0	YES	S3VEM
Endrin	Target	1.0	NJ	ug/kg	1.0	JP	1.0	YES	S3VEM
Endosulfan II	Target	2.6	J	ug/kg	2.6	J	1.0	YES	S3VEM
4,4'-DDD	Target	3.1	J	ug/kg	3.1	JP	1.0	YES	S3VEM
Endosulfan Sulfate	Target	0.88	J	ug/kg	0.88	J	1.0	YES	S3VEM
4,4'-DDT	Target	0.84	NJ	ug/kg	0.84	JP	1.0	YES	S3VEM
Methoxychlor	Target	46	U	ug/kg	46	U	1.0	YES	S3VEM
Endrin ketone	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	8.9	U	ug/kg	8.9	U	1.0	YES	S3VEM
cis-Chlordane	Target	3.4	J	ug/kg	3.4	J	1.0	YES	S3VEM
trans-Chlordane	Target	3.0	NJ	ug/kg	3.0	JP	1.0	YES	S3VEM
Toxaphene	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED07B

Sample Number: BG577	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SED07	pH:	Sample Date: 04/26/2021	Sample Time: 09:05:00
% Moisture:		% Solids: 37	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	180	U	ug/kg	180	U	1.0	YES	S3VEM
Benzaldehyde	Target	890	U	ug/kg	890	U	1.0	YES	S3VEM
Phenol	Target	890	U	ug/kg	890	U	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	890	U	ug/kg	890	U	1.0	YES	S3VEM
2-Chlorophenol	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
2-Methylphenol	Target	890	U	ug/kg	890	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	890	U	ug/kg	890	U	1.0	YES	S3VEM
Acetophenone	Target	890	U	ug/kg	890	U	1.0	YES	S3VEM
4-Methylphenol	Target	890	U	ug/kg	890	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Hexachloroethane	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Nitrobenzene	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Isophorone	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
2-Nitrophenol	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Naphthalene	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
4-Chloroaniline	Target	890	U	ug/kg	890	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Caprolactam	Target	890	U	ug/kg	890	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	890	U	ug/kg	890	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
2-Nitroaniline	Target	460	UJ	ug/kg	460	U	1.0	YES	S3VEM
Dimethylphthalate	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Acenaphthylene	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
3-Nitroaniline	Target	890	UJ	ug/kg	890	U	1.0	YES	S3VEM
Acenaphthene	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	890	UJ	ug/kg	890	U	1.0	YES	S3VEM
4-Nitrophenol	Target	890	UJ	ug/kg	890	U	1.0	YES	S3VEM
Dibenzofuran	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Diethylphthalate	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Fluorene	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
4-Nitroaniline	Target	890	UJ	ug/kg	890	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	890	UJ	ug/kg	890	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Atrazine	Target	890	U	ug/kg	890	U	1.0	YES	S3VEM
Pentachlorophenol	Target	890	U	ug/kg	890	U	1.0	YES	S3VEM
Phenanthrene	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED07B

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Anthracene	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Carbazole	Target	890	U	ug/kg	890	U	1.0	YES	S3VEM
Di-n-butylphthalate	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Fluoranthene	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Pyrene	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Butylbenzylphthalate	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	890	U	ug/kg	890	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Chrysene	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	170	J	ug/kg	170	J	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	890	U	ug/kg	890	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED07B

Sample Number: BG577	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED07	pH:	Sample Date: 04/26/2021	Sample Time: 09:05:00
% Moisture:		% Solids: 37	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
Chloromethane	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
Vinyl chloride	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
Bromomethane	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
Chloroethane	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
Acetone	Target	120		ug/kg	120		1.0	YES	S3VEM
Carbon disulfide	Target	7.5	J	ug/kg	7.5	J	1.0	YES	S3VEM
Methyl Acetate	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
Methylene chloride	Target	23		ug/kg	23	B	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
2-Butanone	Target	38	U	ug/kg	38	U	1.0	YES	S3VEM
Bromochloromethane	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
Chloroform	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
Cyclohexane	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
Benzene	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
Trichloroethene	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
Methylcyclohexane	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
Bromodichloromethane	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	38	U	ug/kg	38	U	1.0	YES	S3VEM
Toluene	Target	19	U	ug/kg	3.2	JB	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
Tetrachloroethene	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
2-Hexanone	Target	38	U	ug/kg	38	U	1.0	YES	S3VEM
Dibromochloromethane	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
Chlorobenzene	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
Ethylbenzene	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
o-Xylene	Target	2.5	J	ug/kg	2.5	J	1.0	YES	S3VEM
m,p-Xylene	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
Styrene	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
Bromoform	Target	19	UJ	ug/kg	19	U	1.0	YES	S3VEM
Isopropylbenzene	Target	19	UJ	ug/kg	19	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	19	UJ	ug/kg	19	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	19	U	ug/kg	19	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	19	UJ	ug/kg	19	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	19	UJ	ug/kg	19	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	19	UJ	ug/kg	19	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	19	UJ	ug/kg	19	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	3.2	J+	ug/kg	3.2	J	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	19	UJ	ug/kg	19	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED07B

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	19	UJ	ug/kg	19	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	19	UJ	ug/kg	19	U	1.0	YES	S3VEM
Total Alkanes	TIC	300	BN	ug/kg	300	BN	1.0	YES	NV
unknown-01	TIC	28	J	ug/kg	28	J	1.0	YES	NV
Dimethyl sulfide	TIC	520	JN	ug/kg	520	JN	1.0	YES	NV
Ethanol, 2-(trimethylsilyl)-	TIC	17	JN	ug/kg	17	JN	1.0	YES	NV
Naphthalene, decahydro-2-methyl-	TIC	19	JN	ug/kg	19	JN	1.0	YES	NV
2,2-Ethylidenebis(5-methylfuran)	TIC	9.6	JN	ug/kg	9.6	JN	1.0	YES	NV
unknown-02	TIC	13	J	ug/kg	13	J	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Sample Number: BG577ME	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED07	pH:	Sample Date: 04/26/2021	Sample Time: 09:05:00
% Moisture:		% Solids: 37	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	1300	U	ug/kg	1300	U	1.0	NO	S3VEM
Chloromethane	Target	1300	U	ug/kg	1300	U	1.0	NO	S3VEM
Vinyl chloride	Target	1300	U	ug/kg	1300	U	1.0	NO	S3VEM
Bromomethane	Target	1300	U	ug/kg	1300	U	1.0	NO	S3VEM
Chloroethane	Target	1300	U	ug/kg	1300	U	1.0	NO	S3VEM
Trichlorofluoromethane	Target	1300	U	ug/kg	1300	U	1.0	NO	S3VEM
1,1-Dichloroethene	Target	1300	U	ug/kg	1300	U	1.0	NO	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	1300	U	ug/kg	1300	U	1.0	NO	S3VEM
Acetone	Target	2600	U	ug/kg	2600	U	1.0	NO	S3VEM
Carbon disulfide	Target	1300	U	ug/kg	1300	U	1.0	NO	S3VEM
Methyl Acetate	Target	1300	U	ug/kg	1300	U	1.0	NO	S3VEM
Methylene chloride	Target	1300	U	ug/kg	1300	U	1.0	NO	S3VEM
trans-1,2-Dichloroethene	Target	1300	U	ug/kg	1300	U	1.0	NO	S3VEM
Methyl tert-butyl Ether	Target	1300	U	ug/kg	1300	U	1.0	NO	S3VEM
1,1-Dichloroethane	Target	1300	U	ug/kg	1300	U	1.0	NO	S3VEM
cis-1,2-Dichloroethene	Target	1300	U	ug/kg	1300	U	1.0	NO	S3VEM
2-Butanone	Target	2600	U	ug/kg	2600	U	1.0	NO	S3VEM
Bromochloromethane	Target	1300	U	ug/kg	1300	U	1.0	NO	S3VEM
Chloroform	Target	1300	U	ug/kg	1300	U	1.0	NO	S3VEM
1,1,1-Trichloroethane	Target	1300	U	ug/kg	1300	U	1.0	NO	S3VEM
Cyclohexane	Target	1300	U	ug/kg	1300	U	1.0	NO	S3VEM
Carbon tetrachloride	Target	1300	U	ug/kg	1300	U	1.0	NO	S3VEM
Benzene	Target	1300	U	ug/kg	1300	U	1.0	NO	S3VEM
1,2-Dichloroethane	Target	1300	U	ug/kg	1300	U	1.0	NO	S3VEM
Trichloroethene	Target	1300	U	ug/kg	1300	U	1.0	NO	S3VEM
Methylcyclohexane	Target	1300	U	ug/kg	1300	U	1.0	NO	S3VEM
1,2-Dichloropropane	Target	1300	U	ug/kg	1300	U	1.0	NO	S3VEM
Bromodichloromethane	Target	1300	U	ug/kg	1300	U	1.0	NO	S3VEM
cis-1,3-Dichloropropene	Target	1300	U	ug/kg	1300	U	1.0	NO	S3VEM
4-Methyl-2-pentanone	Target	2600	U	ug/kg	2600	U	1.0	NO	S3VEM
Toluene	Target	1300	U	ug/kg	1300	U	1.0	NO	S3VEM
trans-1,3-Dichloropropene	Target	1300	U	ug/kg	1300	U	1.0	NO	S3VEM
1,1,2-Trichloroethane	Target	1300	U	ug/kg	1300	U	1.0	NO	S3VEM
Tetrachloroethene	Target	1300	U	ug/kg	1300	U	1.0	NO	S3VEM
2-Hexanone	Target	2600	U	ug/kg	2600	U	1.0	NO	S3VEM
Dibromochloromethane	Target	1300	U	ug/kg	1300	U	1.0	NO	S3VEM
1,2-Dibromoethane	Target	1300	U	ug/kg	1300	U	1.0	NO	S3VEM
Chlorobenzene	Target	1300	U	ug/kg	1300	U	1.0	NO	S3VEM
Ethylbenzene	Target	1300	U	ug/kg	1300	U	1.0	NO	S3VEM
o-Xylene	Target	1300	U	ug/kg	1300	U	1.0	NO	S3VEM
m,p-Xylene	Target	1300	U	ug/kg	1300	U	1.0	NO	S3VEM
Styrene	Target	1300	U	ug/kg	1300	U	1.0	NO	S3VEM
Bromoform	Target	1300	U	ug/kg	1300	U	1.0	NO	S3VEM
Isopropylbenzene	Target	1300	U	ug/kg	1300	U	1.0	NO	S3VEM
1,2,3-Trichloropropane	Target	1300	U	ug/kg	1300	U	1.0	NO	S3VEM
1,1,2,2-Tetrachloroethane	Target	1300	U	ug/kg	1300	U	1.0	NO	S3VEM
1,3-Dichlorobenzene	Target	1300	U	ug/kg	1300	U	1.0	NO	S3VEM
1,4-Dichlorobenzene	Target	1300	U	ug/kg	1300	U	1.0	NO	S3VEM
1,2-Dichlorobenzene	Target	1300	U	ug/kg	1300	U	1.0	NO	S3VEM
1,2-Dibromo-3-chloropropane	Target	1300	U	ug/kg	1300	U	1.0	NO	S3VEM
1,2,4-Trimethylbenzene	Target	1300	U	ug/kg	1300	U	1.0	NO	S3VEM
1,3,5-Trimethylbenzene	Target	1300	U	ug/kg	1300	U	1.0	NO	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	1300	U	ug/kg	1300	U	1.0	NO	S3VEM
1,2,3-Trichlorobenzene	Target	1300	U	ug/kg	1300	U	1.0	NO	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	NO	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED07C

Sample Number: BG578	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: SED07	pH:	Sample Date: 04/26/2021	Sample Time: 09:15:00
% Moisture:		% Solids: 44.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	74	U	ug/kg	74	U	1.0	YES	S3VEM
Aroclor-1221	Target	74	U	ug/kg	74	U	1.0	YES	S3VEM
Aroclor-1232	Target	74	U	ug/kg	74	U	1.0	YES	S3VEM
Aroclor-1242	Target	74	U	ug/kg	74	U	1.0	YES	S3VEM
Aroclor-1248	Target	56	J	ug/kg	56	J	1.0	YES	S3VEM
Aroclor-1254	Target	38	J	ug/kg	38	J	1.0	YES	S3VEM
Aroclor-1260	Target	74	U	ug/kg	74	U	1.0	YES	S3VEM
Aroclor-1262	Target	74	U	ug/kg	74	U	1.0	YES	S3VEM
Aroclor-1268	Target	74	U	ug/kg	74	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED07C

Sample Number: BG578	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: SED07	pH:	Sample Date: 04/26/2021	Sample Time: 09:15:00
% Moisture:		% Solids: 44.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	3.8	U	ug/kg	3.8	U	1.0	YES	S3VEM
beta-BHC	Target	3.8	U	ug/kg	3.8	U	1.0	YES	S3VEM
delta-BHC	Target	1.3	J	ug/kg	1.3	JP	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.55	NJ	ug/kg	0.55	JP	1.0	YES	S3VEM
Heptachlor	Target	3.8	U	ug/kg	3.8	U	1.0	YES	S3VEM
Aldrin	Target	3.8	U	ug/kg	3.8	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	3.8	U	ug/kg	3.8	U	1.0	YES	S3VEM
Endosulfan I	Target	3.8	U	ug/kg	3.8	U	1.0	YES	S3VEM
Dieldrin	Target	1.5	J	ug/kg	1.5	JP	1.0	YES	S3VEM
4,4'-DDE	Target	3.2	J	ug/kg	3.2	JP	1.0	YES	S3VEM
Endrin	Target	1.2	J	ug/kg	1.2	JP	1.0	YES	S3VEM
Endosulfan II	Target	7.4	U	ug/kg	7.4	U	1.0	YES	S3VEM
4,4'-DDD	Target	2.9	J	ug/kg	2.9	JP	1.0	YES	S3VEM
Endosulfan Sulfate	Target	7.4	U	ug/kg	7.4	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.32	J	ug/kg	0.32	JP	1.0	YES	S3VEM
Methoxychlor	Target	38	U	ug/kg	38	U	1.0	YES	S3VEM
Endrin ketone	Target	7.4	U	ug/kg	7.4	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	7.4	U	ug/kg	7.4	U	1.0	YES	S3VEM
cis-Chlordane	Target	2.7	J	ug/kg	2.7	J	1.0	YES	S3VEM
trans-Chlordane	Target	3.6	J	ug/kg	3.6	JP	1.0	YES	S3VEM
Toxaphene	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED07C

Sample Number: BG578	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SED07	pH:	Sample Date: 04/26/2021	Sample Time: 09:15:00
% Moisture:		% Solids: 44.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	150	U	ug/kg	150	U	1.0	YES	S3VEM
Benzaldehyde	Target	740	U	ug/kg	740	U	1.0	YES	S3VEM
Phenol	Target	740	U	ug/kg	740	U	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	740	U	ug/kg	740	U	1.0	YES	S3VEM
2-Chlorophenol	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
2-Methylphenol	Target	740	U	ug/kg	740	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	740	U	ug/kg	740	U	1.0	YES	S3VEM
Acetophenone	Target	740	U	ug/kg	740	U	1.0	YES	S3VEM
4-Methylphenol	Target	740	U	ug/kg	740	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Hexachloroethane	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Nitrobenzene	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Isophorone	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
2-Nitrophenol	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Naphthalene	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
4-Chloroaniline	Target	740	U	ug/kg	740	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Caprolactam	Target	740	U	ug/kg	740	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	740	U	ug/kg	740	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
2-Nitroaniline	Target	380	UJ	ug/kg	380	U	1.0	YES	S3VEM
Dimethylphthalate	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Acenaphthylene	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
3-Nitroaniline	Target	740	UJ	ug/kg	740	U	1.0	YES	S3VEM
Acenaphthene	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	740	UJ	ug/kg	740	U	1.0	YES	S3VEM
4-Nitrophenol	Target	740	UJ	ug/kg	740	U	1.0	YES	S3VEM
Dibenzofuran	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Diethylphthalate	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Fluorene	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
4-Nitroaniline	Target	740	UJ	ug/kg	740	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	740	UJ	ug/kg	740	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Atrazine	Target	740	U	ug/kg	740	U	1.0	YES	S3VEM
Pentachlorophenol	Target	740	U	ug/kg	740	U	1.0	YES	S3VEM
Phenanthrene	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED07C

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Anthracene	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Carbazole	Target	740	U	ug/kg	740	U	1.0	YES	S3VEM
Di-n-butylphthalate	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Fluoranthene	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Pyrene	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Butylbenzylphthalate	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	740	U	ug/kg	740	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Chrysene	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	78	J	ug/kg	78	J	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	740	U	ug/kg	740	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED07C

Sample Number: BG578	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED07	pH:	Sample Date: 04/26/2021	Sample Time: 09:15:00
% Moisture:		% Solids: 44.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Chloromethane	Target	12	UJ	ug/kg	12	U	1.0	YES	S3VEM
Vinyl chloride	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Bromomethane	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Chloroethane	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	12	UJ	ug/kg	12	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Acetone	Target	150		ug/kg	150		1.0	YES	S3VEM
Carbon disulfide	Target	6.9	J	ug/kg	6.9	J	1.0	YES	S3VEM
Methyl Acetate	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Methylene chloride	Target	29		ug/kg	29	B	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	12	UJ	ug/kg	12	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	12	UJ	ug/kg	12	U	1.0	YES	S3VEM
2-Butanone	Target	36		ug/kg	36		1.0	YES	S3VEM
Bromochloromethane	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Chloroform	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Cyclohexane	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Benzene	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Trichloroethene	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Methylcyclohexane	Target	2.1	J	ug/kg	2.1	J	1.0	YES	S3VEM
1,2-Dichloropropane	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Bromodichloromethane	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Toluene	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Tetrachloroethene	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
2-Hexanone	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Dibromochloromethane	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Chlorobenzene	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Ethylbenzene	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
o-Xylene	Target	3.2	J	ug/kg	3.2	J	1.0	YES	S3VEM
m,p-Xylene	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Styrene	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Bromoform	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Isopropylbenzene	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	6.5	J	ug/kg	6.5	J	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.3	J	ug/kg	5.3	J	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED07C

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Oxalic acid, butyl cyclohexylmethy	TIC	16	JN	ug/kg	16	JN	1.0	YES	NV
trans-Decalin, 2-methyl-	TIC	13	JN	ug/kg	13	JN	1.0	YES	NV
1-Methylbicyclo[3.3.0]octane-3,7-d	TIC	26	JN	ug/kg	26	JN	1.0	YES	NV
Benzene, 1-ethyl-2,4,5-trimethyl-	TIC	7.1	JN	ug/kg	7.1	JN	1.0	YES	NV
Benzene, 1,2,4,5-tetramethyl-	TIC	16	JN	ug/kg	16	JN	1.0	YES	NV
unknown-01	TIC	13	J	ug/kg	13	J	1.0	YES	NV
Total Alkanes	TIC	150	BN	ug/kg	150	BN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED08A

Sample Number: BG579	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: SED08	pH:	Sample Date: 04/23/2021	Sample Time: 11:00:00
% Moisture:		% Solids: 71.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	46	U	ug/kg	46	U	1.0	YES	S3VEM
Aroclor-1221	Target	46	U	ug/kg	46	U	1.0	YES	S3VEM
Aroclor-1232	Target	46	U	ug/kg	46	U	1.0	YES	S3VEM
Aroclor-1242	Target	46	U	ug/kg	46	U	1.0	YES	S3VEM
Aroclor-1248	Target	53		ug/kg	53		1.0	YES	S3VEM
Aroclor-1254	Target	31	J	ug/kg	31	JP	1.0	YES	S3VEM
Aroclor-1260	Target	46	U	ug/kg	46	U	1.0	YES	S3VEM
Aroclor-1262	Target	46	U	ug/kg	46	U	1.0	YES	S3VEM
Aroclor-1268	Target	46	U	ug/kg	46	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED08A

Sample Number: BG579	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: SED08	pH:	Sample Date: 04/23/2021	Sample Time: 11:00:00
% Moisture:		% Solids: 71.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	2.4	U	ug/kg	2.4	U	1.0	YES	S3VEM
beta-BHC	Target	2.4	U	ug/kg	2.4	U	1.0	YES	S3VEM
delta-BHC	Target	0.72	J	ug/kg	0.72	JP	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	2.4	U	ug/kg	2.4	U	1.0	YES	S3VEM
Heptachlor	Target	2.4	U	ug/kg	2.4	U	1.0	YES	S3VEM
Aldrin	Target	2.4	U	ug/kg	2.4	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	2.4	U	ug/kg	2.4	U	1.0	YES	S3VEM
Endosulfan I	Target	2.4	U	ug/kg	2.4	U	1.0	YES	S3VEM
Dieldrin	Target	1.0	J	ug/kg	1.0	JP	1.0	YES	S3VEM
4,4'-DDE	Target	2.4	J	ug/kg	2.4	JP	1.0	YES	S3VEM
Endrin	Target	0.65	J	ug/kg	0.65	JP	1.0	YES	S3VEM
Endosulfan II	Target	4.6	U	ug/kg	4.6	U	1.0	YES	S3VEM
4,4'-DDD	Target	7.8	J	ug/kg	7.8	P	1.0	YES	S3VEM
Endosulfan Sulfate	Target	4.6	U	ug/kg	4.6	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.56	NJ	ug/kg	0.56	JP	1.0	YES	S3VEM
Methoxychlor	Target	24	U	ug/kg	24	U	1.0	YES	S3VEM
Endrin ketone	Target	4.6	U	ug/kg	4.6	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	4.6	U	ug/kg	4.6	U	1.0	YES	S3VEM
cis-Chlordane	Target	3.0		ug/kg	3.0		1.0	YES	S3VEM
trans-Chlordane	Target	4.0		ug/kg	4.0		1.0	YES	S3VEM
Toxaphene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED08A

Sample Number: BG579	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SED08	pH:	Sample Date: 04/23/2021	Sample Time: 11:00:00
% Moisture:		% Solids: 71.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	93	U	ug/kg	93	U	1.0	YES	S3VEM
Benzaldehyde	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Phenol	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
2-Chlorophenol	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
2-Methylphenol	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Acetophenone	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
4-Methylphenol	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Hexachloroethane	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Nitrobenzene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Isophorone	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
2-Nitrophenol	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Naphthalene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
4-Chloroaniline	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Caprolactam	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
2-Nitroaniline	Target	240	UJ	ug/kg	240	U	1.0	YES	S3VEM
Dimethylphthalate	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Acenaphthylene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
3-Nitroaniline	Target	460	UJ	ug/kg	460	U	1.0	YES	S3VEM
Acenaphthene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	460	UJ	ug/kg	460	U	1.0	YES	S3VEM
4-Nitrophenol	Target	460	UJ	ug/kg	460	U	1.0	YES	S3VEM
Dibenzofuran	Target	240	UJ	ug/kg	240	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Diethylphthalate	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Fluorene	Target	240	UJ	ug/kg	240	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	240	UJ	ug/kg	240	U	1.0	YES	S3VEM
4-Nitroaniline	Target	460	UJ	ug/kg	460	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	460	UJ	ug/kg	460	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	240	UJ	ug/kg	240	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Atrazine	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Pentachlorophenol	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Phenanthrene	Target	47	J	ug/kg	47	J	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED08A

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Anthracene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Carbazole	Target	460	UJ	ug/kg	460	U	1.0	YES	S3VEM
Di-n-butylphthalate	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Fluoranthene	Target	120	J	ug/kg	120	J	1.0	YES	S3VEM
Pyrene	Target	250		ug/kg	250		1.0	YES	S3VEM
Butylbenzylphthalate	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	73	J	ug/kg	73	J	1.0	YES	S3VEM
Chrysene	Target	85	J	ug/kg	85	J	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	95	J	ug/kg	95	J	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	91	J	ug/kg	91	J	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	96	J	ug/kg	96	J	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	54	J	ug/kg	54	J	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED08A

Sample Number: BG579	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED08	pH:	Sample Date: 04/23/2021	Sample Time: 11:00:00
% Moisture:		% Solids: 71.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
Chloromethane	Target	6.2	UJ	ug/kg	6.2	U	1.0	YES	S3VEM
Vinyl chloride	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
Bromomethane	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
Chloroethane	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	6.2	UJ	ug/kg	6.2	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	6.2	UJ	ug/kg	6.2	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
Acetone	Target	11	J	ug/kg	11	J	1.0	YES	S3VEM
Carbon disulfide	Target	1.7	J	ug/kg	1.7	J	1.0	YES	S3VEM
Methyl Acetate	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
Methylene chloride	Target	17		ug/kg	17		1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	6.2	UJ	ug/kg	6.2	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	6.2	UJ	ug/kg	6.2	U	1.0	YES	S3VEM
2-Butanone	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Bromochloromethane	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
Chloroform	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
Cyclohexane	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
Benzene	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
Trichloroethene	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
Methylcyclohexane	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
Bromodichloromethane	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Toluene	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
Tetrachloroethene	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
2-Hexanone	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Dibromochloromethane	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
Chlorobenzene	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
Ethylbenzene	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
o-Xylene	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
m,p-Xylene	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
Styrene	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
Bromoform	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
Isopropylbenzene	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED08A

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	6.2	U	ug/kg	6.2	U	1.0	YES	S3VEM
Decane, 1-iodo-	TIC	5.3	JN	ug/kg	5.3	JN	1.0	YES	NV
Naphthalene, 1,6-dimethyl-	TIC	3.5	JN	ug/kg	3.5	JN	1.0	YES	NV
Phenol, 2-methyl-5-(1-methylethyl)	TIC	6.4	JN	ug/kg	6.4	JN	1.0	YES	NV
unknown-02	TIC	12	J	ug/kg	12	J	1.0	YES	NV
unknown-01	TIC	3.3	J	ug/kg	3.3	J	1.0	YES	NV
Total Alkanes	TIC	3.8	BN	ug/kg	3.8	BN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED08B

Sample Number: BG580	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: SED08	pH:	Sample Date: 04/23/2021	Sample Time: 11:10:00
% Moisture:		% Solids: 78.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	42	U	ug/kg	42	U	1.0	YES	S3VEM
Aroclor-1221	Target	42	U	ug/kg	42	U	1.0	YES	S3VEM
Aroclor-1232	Target	42	U	ug/kg	42	U	1.0	YES	S3VEM
Aroclor-1242	Target	42	U	ug/kg	42	U	1.0	YES	S3VEM
Aroclor-1248	Target	46		ug/kg	46		1.0	YES	S3VEM
Aroclor-1254	Target	30	J	ug/kg	30	JP	1.0	YES	S3VEM
Aroclor-1260	Target	42	U	ug/kg	42	U	1.0	YES	S3VEM
Aroclor-1262	Target	42	U	ug/kg	42	U	1.0	YES	S3VEM
Aroclor-1268	Target	42	U	ug/kg	42	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED08B

Sample Number: BG580	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: SED08	pH:	Sample Date: 04/23/2021	Sample Time: 11:10:00
% Moisture:		% Solids: 78.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
beta-BHC	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
delta-BHC	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
Heptachlor	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
Aldrin	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
Endosulfan I	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
Dieldrin	Target	4.2	U	ug/kg	4.2	U	1.0	YES	S3VEM
4,4'-DDE	Target	2.3	J	ug/kg	2.3	JP	1.0	YES	S3VEM
Endrin	Target	4.2	U	ug/kg	4.2	U	1.0	YES	S3VEM
Endosulfan II	Target	4.2	U	ug/kg	4.2	U	1.0	YES	S3VEM
4,4'-DDD	Target	5.6	J	ug/kg	5.6	P	1.0	YES	S3VEM
Endosulfan Sulfate	Target	4.2	U	ug/kg	4.2	U	1.0	YES	S3VEM
4,4'-DDT	Target	3.5	NJ	ug/kg	3.5	JP	1.0	YES	S3VEM
Methoxychlor	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
Endrin ketone	Target	4.2	U	ug/kg	4.2	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	4.2	U	ug/kg	4.2	U	1.0	YES	S3VEM
cis-Chlordane	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
trans-Chlordane	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
Toxaphene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED08B

Sample Number: BG580	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SED08	pH:	Sample Date: 04/23/2021	Sample Time: 11:10:00
% Moisture:		% Solids: 78.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	85	U	ug/kg	85	U	1.0	YES	S3VEM
Benzaldehyde	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
Phenol	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
2-Chlorophenol	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2-Methylphenol	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
Acetophenone	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
4-Methylphenol	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Hexachloroethane	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Nitrobenzene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Isophorone	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2-Nitrophenol	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Naphthalene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
4-Chloroaniline	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Caprolactam	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2-Nitroaniline	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Dimethylphthalate	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Acenaphthylene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
3-Nitroaniline	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
Acenaphthene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
4-Nitrophenol	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
Dibenzofuran	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Diethylphthalate	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Fluorene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
4-Nitroaniline	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Atrazine	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
Pentachlorophenol	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
Phenanthrene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED08B

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Anthracene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Carbazole	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
Di-n-butylphthalate	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Fluoranthene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Pyrene	Target	44	J	ug/kg	44	J	1.0	YES	S3VEM
Butylbenzylphthalate	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Chrysene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED08B

Sample Number: BG580	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED08	pH:	Sample Date: 04/23/2021	Sample Time: 11:10:00
% Moisture:		% Solids: 78.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
Chloromethane	Target	6.0	UJ	ug/kg	6.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
Bromomethane	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
Chloroethane	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	6.0	UJ	ug/kg	6.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
Acetone	Target	11	J	ug/kg	11	J	1.0	YES	S3VEM
Carbon disulfide	Target	2.1	J	ug/kg	2.1	J	1.0	YES	S3VEM
Methyl Acetate	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
Methylene chloride	Target	8.4	U	ug/kg	8.4		1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	6.0	UJ	ug/kg	6.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	6.0	UJ	ug/kg	6.0	U	1.0	YES	S3VEM
2-Butanone	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Bromochloromethane	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
Chloroform	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
Cyclohexane	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
Benzene	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
Trichloroethene	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Toluene	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
2-Hexanone	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Dibromochloromethane	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
o-Xylene	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
Styrene	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
Bromoform	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED08B

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	6.0	U	ug/kg	6.0	U	1.0	YES	S3VEM
trans-Decalin, 2-methyl-	TIC	4.4	JN	ug/kg	4.4	JN	1.0	YES	NV
Decahydro-4,4,8,9,10-pentamethylna	TIC	7	JN	ug/kg	7	JN	1.0	YES	NV
Naphthalene, 1,4-dimethyl-	TIC	5.4	JN	ug/kg	5.4	JN	1.0	YES	NV
unknown-02	TIC	11	J	ug/kg	11	J	1.0	YES	NV
unknown-01	TIC	3.9	J	ug/kg	3.9	J	1.0	YES	NV
Total Alkanes	TIC	8	BN	ug/kg	8	BN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED08C

Sample Number: BG581	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: SED08	pH:	Sample Date: 04/23/2021	Sample Time: 11:20:00
% Moisture:		% Solids: 78.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	42	U	ug/kg	42	U	1.0	YES	S3VEM
Aroclor-1221	Target	42	U	ug/kg	42	U	1.0	YES	S3VEM
Aroclor-1232	Target	42	U	ug/kg	42	U	1.0	YES	S3VEM
Aroclor-1242	Target	42	U	ug/kg	42	U	1.0	YES	S3VEM
Aroclor-1248	Target	15	J	ug/kg	15	J	1.0	YES	S3VEM
Aroclor-1254	Target	19	J	ug/kg	19	J	1.0	YES	S3VEM
Aroclor-1260	Target	42	U	ug/kg	42	U	1.0	YES	S3VEM
Aroclor-1262	Target	42	U	ug/kg	42	U	1.0	YES	S3VEM
Aroclor-1268	Target	42	U	ug/kg	42	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED08C

Sample Number: BG581	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: SED08	pH:	Sample Date: 04/23/2021	Sample Time: 11:20:00
% Moisture:		% Solids: 78.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
beta-BHC	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
delta-BHC	Target	0.23	J	ug/kg	0.23	JP	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
Heptachlor	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
Aldrin	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
Endosulfan I	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
Dieldrin	Target	4.2	U	ug/kg	4.2	U	1.0	YES	S3VEM
4,4'-DDE	Target	2.6	J	ug/kg	2.6	JP	1.0	YES	S3VEM
Endrin	Target	0.40	J	ug/kg	0.40	JP	1.0	YES	S3VEM
Endosulfan II	Target	4.2	U	ug/kg	4.2	U	1.0	YES	S3VEM
4,4'-DDD	Target	2.4	J	ug/kg	2.4	JP	1.0	YES	S3VEM
Endosulfan Sulfate	Target	4.2	U	ug/kg	4.2	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.40	NJ	ug/kg	0.40	JP	1.0	YES	S3VEM
Methoxychlor	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
Endrin ketone	Target	4.2	U	ug/kg	4.2	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	4.2	U	ug/kg	4.2	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.22	NJ	ug/kg	0.22	JP	1.0	YES	S3VEM
trans-Chlordane	Target	1.3	J	ug/kg	1.3	JP	1.0	YES	S3VEM
Toxaphene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED08C

Sample Number: BG581	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SED08	pH:	Sample Date: 04/23/2021	Sample Time: 11:20:00
% Moisture:		% Solids: 78.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	85	U	ug/kg	85	U	1.0	YES	S3VEM
Benzaldehyde	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
Phenol	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
2-Chlorophenol	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2-Methylphenol	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
Acetophenone	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
4-Methylphenol	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Hexachloroethane	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Nitrobenzene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Isophorone	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2-Nitrophenol	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Naphthalene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
4-Chloroaniline	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Caprolactam	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2-Nitroaniline	Target	220	UJ	ug/kg	220	U	1.0	YES	S3VEM
Dimethylphthalate	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Acenaphthylene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
3-Nitroaniline	Target	420	UJ	ug/kg	420	U	1.0	YES	S3VEM
Acenaphthene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	420	UJ	ug/kg	420	U	1.0	YES	S3VEM
4-Nitrophenol	Target	420	UJ	ug/kg	420	U	1.0	YES	S3VEM
Dibenzofuran	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Diethylphthalate	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Fluorene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
4-Nitroaniline	Target	420	UJ	ug/kg	420	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Atrazine	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
Pentachlorophenol	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
Phenanthrene	Target	42	J	ug/kg	42	J	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED08C

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Anthracene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Carbazole	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
Di-n-butylphthalate	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Fluoranthene	Target	120	J	ug/kg	120	J	1.0	YES	S3VEM
Pyrene	Target	130	J	ug/kg	130	J	1.0	YES	S3VEM
Butylbenzylphthalate	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	59	J	ug/kg	59	J	1.0	YES	S3VEM
Chrysene	Target	60	J	ug/kg	60	J	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	45	J	ug/kg	45	J	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	420	U	ug/kg	420	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	65	J	ug/kg	65	J	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	55	J	ug/kg	55	J	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Total Alkanes	TIC	270	B	ug/kg	270	B	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED08C

Sample Number: BG581	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED08	pH:	Sample Date: 04/23/2021	Sample Time: 11:20:00
% Moisture:		% Solids: 78.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
Chloromethane	Target	5.7	UJ	ug/kg	5.7	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
Bromomethane	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
Chloroethane	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.7	UJ	ug/kg	5.7	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
Acetone	Target	37		ug/kg	37		1.0	YES	S3VEM
Carbon disulfide	Target	2	J	ug/kg	2	J	1.0	YES	S3VEM
Methyl Acetate	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
Methylene chloride	Target	9.6	U	ug/kg	9.6	B	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.7	UJ	ug/kg	5.7	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.7	UJ	ug/kg	5.7	U	1.0	YES	S3VEM
2-Butanone	Target	9.9	J	ug/kg	9.9	J	1.0	YES	S3VEM
Bromochloromethane	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
Chloroform	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
Cyclohexane	Target	1.4	J	ug/kg	1.4	J	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
Benzene	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
Trichloroethene	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
Methylcyclohexane	Target	2.4	J	ug/kg	2.4	J	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Toluene	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
2-Hexanone	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
o-Xylene	Target	1	J	ug/kg	1	J	1.0	YES	S3VEM
m,p-Xylene	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
Styrene	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
Bromoform	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.78	J	ug/kg	0.78	J	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	2.8	J	ug/kg	2.8	J	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	0.94	J	ug/kg	0.94	J	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED08C

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
unknown-03	TIC	3.7	J	ug/kg	3.7	J	1.0	YES	NV
Total Alkanes	TIC	110	BN	ug/kg	110	BN	1.0	YES	NV
unknown-01	TIC	9.7	J	ug/kg	9.7	J	1.0	YES	NV
Benzene, 1,2,4,5-tetramethyl-	TIC	15	JN	ug/kg	15	JN	1.0	YES	NV
Benzene, pentamethyl-	TIC	6.8	JN	ug/kg	6.8	JN	1.0	YES	NV
Benzene, 4-ethyl-1,2-dimethyl-	TIC	5.3	JN	ug/kg	5.3	JN	1.0	YES	NV
Benzene, 1-methyl-4-(1-methylpropy	TIC	4.3	JN	ug/kg	4.3	JN	1.0	YES	NV
Benzene, 2,4-diethyl-1-methyl-	TIC	3.5	JN	ug/kg	3.5	JN	1.0	YES	NV
Benzene, 1,3-diethyl-5-methyl-	TIC	11	JN	ug/kg	11	JN	1.0	YES	NV
1H-Pyrazole, 4,5-dihydro-3,5,5-tri	TIC	5.5	JN	ug/kg	5.5	JN	1.0	YES	NV
2-Butene, 3-chloro-1-phenyl-, (Z)-	TIC	6	JN	ug/kg	6	JN	1.0	YES	NV
Benzene, (1-methyl-1-butenyl)-	TIC	7.4	JN	ug/kg	7.4	JN	1.0	YES	NV
trans-Decalin, 2-methyl-	TIC	16	JN	ug/kg	16	JN	1.0	YES	NV
cis-Decalin, 2-syn-methyl-	TIC	9.1	JN	ug/kg	9.1	JN	1.0	YES	NV
Sulfurous acid, cyclohexylmethyl h	TIC	4.4	JN	ug/kg	4.4	JN	1.0	YES	NV
unknown-02	TIC	5	J	ug/kg	5	J	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED09A

Sample Number: BG582	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: SED09/SW09	pH:	Sample Date: 04/23/2021	Sample Time: 09:15:00
% Moisture:		% Solids: 61.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	54	U	ug/kg	54	U	1.0	YES	S3VEM
Aroclor-1221	Target	54	U	ug/kg	54	U	1.0	YES	S3VEM
Aroclor-1232	Target	54	U	ug/kg	54	U	1.0	YES	S3VEM
Aroclor-1242	Target	54	U	ug/kg	54	U	1.0	YES	S3VEM
Aroclor-1248	Target	84	J	ug/kg	84	P	1.0	YES	S3VEM
Aroclor-1254	Target	120	J	ug/kg	120	P	1.0	YES	S3VEM
Aroclor-1260	Target	54	U	ug/kg	54	U	1.0	YES	S3VEM
Aroclor-1262	Target	54	U	ug/kg	54	U	1.0	YES	S3VEM
Aroclor-1268	Target	54	U	ug/kg	54	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED09A

Sample Number: BG582	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: SED09/SW09	pH:	Sample Date: 04/23/2021	Sample Time: 09:15:00
% Moisture:		% Solids: 61.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	2.8	U	ug/kg	2.8	U	1.0	YES	S3VEM
beta-BHC	Target	2.8	U	ug/kg	2.8	U	1.0	YES	S3VEM
delta-BHC	Target	2.5	J	ug/kg	2.5	J	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.28	NJ	ug/kg	0.28	JP	1.0	YES	S3VEM
Heptachlor	Target	2.8	U	ug/kg	2.8	U	1.0	YES	S3VEM
Aldrin	Target	0.94	J	ug/kg	0.94	JP	1.0	YES	S3VEM
Heptachlor epoxide	Target	1.4	J	ug/kg	1.4	JP	1.0	YES	S3VEM
Endosulfan I	Target	2.8	U	ug/kg	2.8	U	1.0	YES	S3VEM
Dieldrin	Target	1.4	J	ug/kg	1.4	JP	1.0	YES	S3VEM
4,4'-DDE	Target	23	J	ug/kg	23	P	1.0	YES	S3VEM
Endrin	Target	1.5	NJ	ug/kg	1.5	JP	1.0	YES	S3VEM
Endosulfan II	Target	0.80	NJ	ug/kg	0.80	JP	1.0	YES	S3VEM
4,4'-DDD	Target	46		ug/kg	46		1.0	YES	S3VEM
Endosulfan Sulfate	Target	1.5	J	ug/kg	1.5	JP	1.0	YES	S3VEM
4,4'-DDT	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S3VEM
Methoxychlor	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
Endrin ketone	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S3VEM
cis-Chlordane	Target	7.7	J	ug/kg	7.7	P	1.0	YES	S3VEM
trans-Chlordane	Target	14		ug/kg	14		1.0	YES	S3VEM
Toxaphene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED09A

Sample Number: BG582	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SED09/SW09	pH:	Sample Date: 04/23/2021	Sample Time: 09:15:00
% Moisture:		% Solids: 61.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	110	U	ug/kg	110	U	1.0	YES	S3VEM
Benzaldehyde	Target	540	U	ug/kg	540	U	1.0	YES	S3VEM
Phenol	Target	89	J	ug/kg	89	J	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	540	U	ug/kg	540	U	1.0	YES	S3VEM
2-Chlorophenol	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
2-Methylphenol	Target	540	U	ug/kg	540	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	540	U	ug/kg	540	U	1.0	YES	S3VEM
Acetophenone	Target	540	U	ug/kg	540	U	1.0	YES	S3VEM
4-Methylphenol	Target	79	J	ug/kg	79	J	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Hexachloroethane	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Nitrobenzene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Isophorone	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
2-Nitrophenol	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Naphthalene	Target	74	J	ug/kg	74	J	1.0	YES	S3VEM
4-Chloroaniline	Target	540	U	ug/kg	540	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Caprolactam	Target	540	U	ug/kg	540	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	70	J	ug/kg	70	J	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	540	U	ug/kg	540	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
2-Nitroaniline	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Dimethylphthalate	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Acenaphthylene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
3-Nitroaniline	Target	540	U	ug/kg	540	U	1.0	YES	S3VEM
Acenaphthene	Target	81	J	ug/kg	81	J	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	540	U	ug/kg	540	U	1.0	YES	S3VEM
4-Nitrophenol	Target	540	U	ug/kg	540	U	1.0	YES	S3VEM
Dibenzofuran	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Diethylphthalate	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Fluorene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
4-Nitroaniline	Target	540	U	ug/kg	540	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	540	U	ug/kg	540	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Atrazine	Target	540	U	ug/kg	540	U	1.0	YES	S3VEM
Pentachlorophenol	Target	540	U	ug/kg	540	U	1.0	YES	S3VEM
Phenanthrene	Target	480		ug/kg	480		1.0	YES	S3VEM
Anthracene	Target	110	J	ug/kg	110	J	1.0	YES	S3VEM
Carbazole	Target	540	U	ug/kg	540	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED09A

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Fluoranthene	Target	1000		ug/kg	1000		1.0	YES	S3VEM
Pyrene	Target	990		ug/kg	990		1.0	YES	S3VEM
Butylbenzylphthalate	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	540	U	ug/kg	540	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	350		ug/kg	350		1.0	YES	S3VEM
Chrysene	Target	450		ug/kg	450		1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	970		ug/kg	970		1.0	YES	S3VEM
Di-n-octyl phthalate	Target	540	U	ug/kg	540	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	410		ug/kg	410		1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	120	J	ug/kg	120	J	1.0	YES	S3VEM
Benzo(a)pyrene	Target	300		ug/kg	300		1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	160	J	ug/kg	160	J	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	57	J	ug/kg	57	J	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	200	J	ug/kg	200	J	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Decahydro-4,4,8,9,10-pentamethylna	TIC	510	JN	ug/kg	510	JN	1.0	YES	NV
Total Alkanes	TIC	15000	B	ug/kg	15000	B	1.0	YES	NV
unknown-01	TIC	160	J	ug/kg	160	J	1.0	YES	NV
unknown-06	TIC	130	J	ug/kg	130	J	1.0	YES	NV
unknown-09	TIC	280	J	ug/kg	280	J	1.0	YES	NV
Naphthalene, 2,3-dimethyl-	TIC	600	JN	ug/kg	600	JN	1.0	YES	NV
D-Limonene	TIC	230	JN	ug/kg	230	JN	1.0	YES	NV
Benzene, (4,5,5-trimethyl-1,3-cycl	TIC	300	JN	ug/kg	300	JN	1.0	YES	NV
unknown-03	TIC	110	J	ug/kg	110	J	1.0	YES	NV
unknown-07	TIC	400	J	ug/kg	400	J	1.0	YES	NV
unknown-12	TIC	320	J	ug/kg	320	J	1.0	YES	NV
Retene	TIC	2100	JN	ug/kg	2100	JN	1.0	YES	NV
Naphthalene, 1,4,5-trimethyl-	TIC	750	JN	ug/kg	750	JN	1.0	YES	NV
Phenanthrene, 2,5-dimethyl-	TIC	570	JN	ug/kg	570	JN	1.0	YES	NV
10,18-Bisnorabieta-5,7,9(10),11,13	TIC	940	JN	ug/kg	940	JN	1.0	YES	NV
unknown-11	TIC	620	J	ug/kg	620	J	1.0	YES	NV
Naphthalene, decahydro-2-methyl-	TIC	370	JN	ug/kg	370	JN	1.0	YES	NV
6-Octen-1-ol, 7-methyl-3-methylene	TIC	640	JN	ug/kg	640	JN	1.0	YES	NV
cis,trans-3-Ethylbicyclo[4.4.0]dec	TIC	540	JN	ug/kg	540	JN	1.0	YES	NV
unknown-02	TIC	200	J	ug/kg	200	J	1.0	YES	NV
Naphthalene, 1,4,6-trimethyl-	TIC	380	JN	ug/kg	380	JN	1.0	YES	NV
Naphthalene, 1,2,3,4-tetramethyl-	TIC	340	JN	ug/kg	340	JN	1.0	YES	NV
unknown-05	TIC	110	J	ug/kg	110	J	1.0	YES	NV
Naphthalene, 2,3,6-trimethyl-	TIC	570	JN	ug/kg	570	JN	1.0	YES	NV
unknown-04	TIC	110	J	ug/kg	110	J	1.0	YES	NV
unknown-10	TIC	990	J	ug/kg	990	J	1.0	YES	NV
7-Isopropenyl-1,4a-dimethyl-4,4a,5	TIC	2800	JN	ug/kg	2800	JN	1.0	YES	NV
Anthracene, 9-methyl-	TIC	520	JN	ug/kg	520	JN	1.0	YES	NV
Zinc, bis[2-(1,1-dimethylethyl)-3,	TIC	900	JN	ug/kg	900	JN	1.0	YES	NV
unknown-08	TIC	130	J	ug/kg	130	J	1.0	YES	NV
1H-Cyclopropa[l]phenanthrene,1a,9b	TIC	380	JN	ug/kg	380	JN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED09A

Sample Number: BG582	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED09/SW09	pH:	Sample Date: 04/23/2021	Sample Time: 09:15:00
% Moisture:		% Solids: 61.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
Chloromethane	Target	7.7	UJ	ug/kg	7.7	U	1.0	YES	S3VEM
Vinyl chloride	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
Bromomethane	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
Chloroethane	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	7.7	UJ	ug/kg	7.7	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
Acetone	Target	28		ug/kg	28		1.0	YES	S3VEM
Carbon disulfide	Target	2.4	J	ug/kg	2.4	J	1.0	YES	S3VEM
Methyl Acetate	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
Methylene chloride	Target	16		ug/kg	16		1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	7.7	UJ	ug/kg	7.7	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	7.7	UJ	ug/kg	7.7	U	1.0	YES	S3VEM
2-Butanone	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
Bromochloromethane	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
Chloroform	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
Cyclohexane	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
Benzene	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
Trichloroethene	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
Methylcyclohexane	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
Bromodichloromethane	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
Toluene	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
Tetrachloroethene	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
2-Hexanone	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
Dibromochloromethane	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
Chlorobenzene	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
Ethylbenzene	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
o-Xylene	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
m,p-Xylene	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
Styrene	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
Bromoform	Target	7.7	UJ	ug/kg	7.7	U	1.0	YES	S3VEM
Isopropylbenzene	Target	7.7	UJ	ug/kg	7.7	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	7.7	UJ	ug/kg	7.7	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	7.7	UJ	ug/kg	7.7	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	7.7	UJ	ug/kg	7.7	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	7.7	UJ	ug/kg	7.7	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	7.7	UJ	ug/kg	7.7	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	7.7	UJ	ug/kg	7.7	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	7.7	UJ	ug/kg	7.7	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED09A

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	7.7	UJ	ug/kg	7.7	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	7.7	UJ	ug/kg	7.7	U	1.0	YES	S3VEM
1-Methyldecahydronaphthalene	TIC	28	JN	ug/kg	28	JN	1.0	YES	NV
Naphthalene, decahydro-2-methyl-	TIC	28	JN	ug/kg	28	JN	1.0	YES	NV
Oxalic acid, dodecyl isobutyl este	TIC	34	JN	ug/kg	34	JN	1.0	YES	NV
Total Alkanes	TIC	200	BN	ug/kg	200	BN	1.0	YES	NV
unknown-04	TIC	12	J	ug/kg	12	J	1.0	YES	NV
unknown-02	TIC	14	J	ug/kg	14	J	1.0	YES	NV
unknown-03	TIC	22	J	ug/kg	22	J	1.0	YES	NV
unknown-01	TIC	26	J	ug/kg	26	J	1.0	YES	NV
Camphor	TIC	12	JN	ug/kg	12	JN	1.0	YES	NV
Dimethyl ether	TIC	5.4	JBN	ug/kg	5.4	JBN	1.0	YES	NV
1-Decanol, 2-hexyl-	TIC	15	JN	ug/kg	15	JN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Sample Number: BG582ME	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED09/SW09	pH:	Sample Date: 04/23/2021	Sample Time: 09:15:00
% Moisture:		% Solids: 61.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	530	U	ug/kg	530	U	1.0	NO	S3VEM
Chloromethane	Target	530	U	ug/kg	530	U	1.0	NO	S3VEM
Vinyl chloride	Target	530	U	ug/kg	530	U	1.0	NO	S3VEM
Bromomethane	Target	530	U	ug/kg	530	U	1.0	NO	S3VEM
Chloroethane	Target	530	U	ug/kg	530	U	1.0	NO	S3VEM
Trichlorofluoromethane	Target	530	U	ug/kg	530	U	1.0	NO	S3VEM
1,1-Dichloroethene	Target	530	U	ug/kg	530	U	1.0	NO	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	530	U	ug/kg	530	U	1.0	NO	S3VEM
Acetone	Target	1100	U	ug/kg	1100	U	1.0	NO	S3VEM
Carbon disulfide	Target	530	U	ug/kg	530	U	1.0	NO	S3VEM
Methyl Acetate	Target	530	U	ug/kg	530	U	1.0	NO	S3VEM
Methylene chloride	Target	530	U	ug/kg	530	U	1.0	NO	S3VEM
trans-1,2-Dichloroethene	Target	530	U	ug/kg	530	U	1.0	NO	S3VEM
Methyl tert-butyl Ether	Target	530	U	ug/kg	530	U	1.0	NO	S3VEM
1,1-Dichloroethane	Target	530	U	ug/kg	530	U	1.0	NO	S3VEM
cis-1,2-Dichloroethene	Target	530	U	ug/kg	530	U	1.0	NO	S3VEM
2-Butanone	Target	1100	U	ug/kg	1100	U	1.0	NO	S3VEM
Bromochloromethane	Target	530	U	ug/kg	530	U	1.0	NO	S3VEM
Chloroform	Target	530	U	ug/kg	530	U	1.0	NO	S3VEM
1,1,1-Trichloroethane	Target	530	U	ug/kg	530	U	1.0	NO	S3VEM
Cyclohexane	Target	530	U	ug/kg	530	U	1.0	NO	S3VEM
Carbon tetrachloride	Target	530	U	ug/kg	530	U	1.0	NO	S3VEM
Benzene	Target	530	U	ug/kg	530	U	1.0	NO	S3VEM
1,2-Dichloroethane	Target	530	U	ug/kg	530	U	1.0	NO	S3VEM
Trichloroethene	Target	530	U	ug/kg	530	U	1.0	NO	S3VEM
Methylcyclohexane	Target	530	U	ug/kg	530	U	1.0	NO	S3VEM
1,2-Dichloropropane	Target	530	U	ug/kg	530	U	1.0	NO	S3VEM
Bromodichloromethane	Target	530	U	ug/kg	530	U	1.0	NO	S3VEM
cis-1,3-Dichloropropene	Target	530	U	ug/kg	530	U	1.0	NO	S3VEM
4-Methyl-2-pentanone	Target	1100	U	ug/kg	1100	U	1.0	NO	S3VEM
Toluene	Target	530	U	ug/kg	530	U	1.0	NO	S3VEM
trans-1,3-Dichloropropene	Target	530	U	ug/kg	530	U	1.0	NO	S3VEM
1,1,2-Trichloroethane	Target	530	U	ug/kg	530	U	1.0	NO	S3VEM
Tetrachloroethene	Target	530	U	ug/kg	530	U	1.0	NO	S3VEM
2-Hexanone	Target	1100	U	ug/kg	1100	U	1.0	NO	S3VEM
Dibromochloromethane	Target	530	U	ug/kg	530	U	1.0	NO	S3VEM
1,2-Dibromoethane	Target	530	U	ug/kg	530	U	1.0	NO	S3VEM
Chlorobenzene	Target	530	U	ug/kg	530	U	1.0	NO	S3VEM
Ethylbenzene	Target	530	U	ug/kg	530	U	1.0	NO	S3VEM
o-Xylene	Target	530	U	ug/kg	530	U	1.0	NO	S3VEM
m,p-Xylene	Target	530	U	ug/kg	530	U	1.0	NO	S3VEM
Styrene	Target	530	U	ug/kg	530	U	1.0	NO	S3VEM
Bromoform	Target	530	U	ug/kg	530	U	1.0	NO	S3VEM
Isopropylbenzene	Target	530	U	ug/kg	530	U	1.0	NO	S3VEM
1,2,3-Trichloropropane	Target	530	U	ug/kg	530	U	1.0	NO	S3VEM
1,1,2,2-Tetrachloroethane	Target	530	U	ug/kg	530	U	1.0	NO	S3VEM
1,3-Dichlorobenzene	Target	530	U	ug/kg	530	U	1.0	NO	S3VEM
1,4-Dichlorobenzene	Target	530	U	ug/kg	530	U	1.0	NO	S3VEM
1,2-Dichlorobenzene	Target	530	U	ug/kg	530	U	1.0	NO	S3VEM
1,2-Dibromo-3-chloropropane	Target	530	U	ug/kg	530	U	1.0	NO	S3VEM
1,2,4-Trimethylbenzene	Target	530	U	ug/kg	530	U	1.0	NO	S3VEM
1,3,5-Trimethylbenzene	Target	530	U	ug/kg	530	U	1.0	NO	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	530	U	ug/kg	530	U	1.0	NO	S3VEM
1,2,3-Trichlorobenzene	Target	530	U	ug/kg	530	U	1.0	NO	S3VEM
Limonene	TIC	860	JN	ug/kg	860	JN	1.0	NO	NV
unknown-01	TIC	260	J	ug/kg	260	J	1.0	NO	NV
Total Alkanes	TIC	900	BN	ug/kg	900	BN	1.0	NO	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED09B

Sample Number: BG583	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: SED09/SW09	pH:	Sample Date: 04/23/2021	Sample Time: 09:30:00
% Moisture:		% Solids: 59.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	55	U	ug/kg	55	U	1.0	YES	S3VEM
Aroclor-1221	Target	55	U	ug/kg	55	U	1.0	YES	S3VEM
Aroclor-1232	Target	55	U	ug/kg	55	U	1.0	YES	S3VEM
Aroclor-1242	Target	55	U	ug/kg	55	U	1.0	YES	S3VEM
Aroclor-1248	Target	150	J	ug/kg	150	P	1.0	YES	S3VEM
Aroclor-1254	Target	110	J	ug/kg	110	P	1.0	YES	S3VEM
Aroclor-1260	Target	55	U	ug/kg	55	U	1.0	YES	S3VEM
Aroclor-1262	Target	55	U	ug/kg	55	U	1.0	YES	S3VEM
Aroclor-1268	Target	55	U	ug/kg	55	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED09B

Sample Number: BG583	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: SED09/SW09	pH:	Sample Date: 04/23/2021	Sample Time: 09:30:00
% Moisture:		% Solids: 59.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	2.8	UJ	ug/kg	2.8	U	1.0	YES	S3VEM
beta-BHC	Target	2.8	UJ	ug/kg	2.8	U	1.0	YES	S3VEM
delta-BHC	Target	2.3	J-	ug/kg	2.3	JP	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.44	J+	ug/kg	0.44	JP	1.0	YES	S3VEM
Heptachlor	Target	2.8	UJ	ug/kg	2.8	U	1.0	YES	S3VEM
Aldrin	Target	0.31	J-	ug/kg	0.31	JP	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.43	NJ	ug/kg	0.43	JP	1.0	YES	S3VEM
Endosulfan I	Target	2.8	UJ	ug/kg	2.8	U	1.0	YES	S3VEM
Dieldrin	Target	1.7	NJ	ug/kg	1.7	JP	1.0	YES	S3VEM
4,4'-DDE	Target	3.8	J+	ug/kg	3.8	JP	1.0	YES	S3VEM
Endrin	Target	3.2	J-	ug/kg	3.2	JP	1.0	YES	S3VEM
Endosulfan II	Target	5.5	UJ	ug/kg	5.5	U	1.0	YES	S3VEM
4,4'-DDD	Target	11	J+	ug/kg	11		1.0	YES	S3VEM
Endosulfan Sulfate	Target	5.5	UJ	ug/kg	5.5	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.99	NJ	ug/kg	0.99	JP	1.0	YES	S3VEM
Methoxychlor	Target	28	UJ	ug/kg	28	U	1.0	YES	S3VEM
Endrin ketone	Target	5.5	UJ	ug/kg	5.5	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	5.5	UJ	ug/kg	5.5	U	1.0	YES	S3VEM
cis-Chlordane	Target	13	J+	ug/kg	13		1.0	YES	S3VEM
trans-Chlordane	Target	16	J+	ug/kg	16	P	1.0	YES	S3VEM
Toxaphene	Target	280	UJ	ug/kg	280	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED09B

Sample Number: BG583	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SED09/SW09	pH:	Sample Date: 04/23/2021	Sample Time: 09:30:00
% Moisture:		% Solids: 59.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	110	U	ug/kg	110	U	1.0	YES	S3VEM
Benzaldehyde	Target	550	U	ug/kg	550	U	1.0	YES	S3VEM
Phenol	Target	62	J	ug/kg	62	J	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	550	U	ug/kg	550	U	1.0	YES	S3VEM
2-Chlorophenol	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
2-Methylphenol	Target	550	U	ug/kg	550	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	550	U	ug/kg	550	U	1.0	YES	S3VEM
Acetophenone	Target	550	U	ug/kg	550	U	1.0	YES	S3VEM
4-Methylphenol	Target	550	U	ug/kg	550	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Hexachloroethane	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Nitrobenzene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Isophorone	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
2-Nitrophenol	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Naphthalene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
4-Chloroaniline	Target	100	J	ug/kg	100	J	1.0	YES	S3VEM
Hexachlorobutadiene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Caprolactam	Target	550	U	ug/kg	550	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	61	J	ug/kg	61	J	1.0	YES	S3VEM
2-Methylnaphthalene	Target	76	J	ug/kg	76	J	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	550	U	ug/kg	550	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
2-Nitroaniline	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Dimethylphthalate	Target	63	J	ug/kg	63	J	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Acenaphthylene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
3-Nitroaniline	Target	550	U	ug/kg	550	U	1.0	YES	S3VEM
Acenaphthene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	550	U	ug/kg	550	U	1.0	YES	S3VEM
4-Nitrophenol	Target	550	U	ug/kg	550	U	1.0	YES	S3VEM
Dibenzofuran	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Diethylphthalate	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Fluorene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
4-Nitroaniline	Target	550	U	ug/kg	550	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	550	U	ug/kg	550	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Atrazine	Target	550	U	ug/kg	550	U	1.0	YES	S3VEM
Pentachlorophenol	Target	550	U	ug/kg	550	U	1.0	YES	S3VEM
Phenanthrene	Target	130	J	ug/kg	130	J	1.0	YES	S3VEM
Anthracene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Carbazole	Target	550	U	ug/kg	550	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED09B

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Fluoranthene	Target	370		ug/kg	370		1.0	YES	S3VEM
Pyrene	Target	380		ug/kg	380		1.0	YES	S3VEM
Butylbenzylphthalate	Target	120	J	ug/kg	120	J	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	550	U	ug/kg	550	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	130	J	ug/kg	130	J	1.0	YES	S3VEM
Chrysene	Target	160	J	ug/kg	160	J	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	2500		ug/kg	2500		1.0	YES	S3VEM
Di-n-octyl phthalate	Target	550	U	ug/kg	550	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	180	J	ug/kg	180	J	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	58	J	ug/kg	58	J	1.0	YES	S3VEM
Benzo(a)pyrene	Target	130	J	ug/kg	130	J	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	69	J	ug/kg	69	J	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	87	J	ug/kg	87	J	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Benzene, 1,2,4,5-tetramethyl-	TIC	210	JN	ug/kg	210	JN	1.0	YES	NV
Benzene, 1,2,3-trimethyl-	TIC	130	JN	ug/kg	130	JN	1.0	YES	NV
o-Cymene	TIC	190	JN	ug/kg	190	JN	1.0	YES	NV
Sulfurous acid, 2-ethylhexyl nonyl	TIC	410	JN	ug/kg	410	JN	1.0	YES	NV
Total Alkanes	TIC	4200	B	ug/kg	4200	B	1.0	YES	NV
Benzene, 1-chloro-2-isocyanato-	TIC	190	JN	ug/kg	190	JN	1.0	YES	NV
unknown-02	TIC	310	J	ug/kg	310	J	1.0	YES	NV
Benzene, 4-ethyl-1,2-dimethyl-	TIC	270	JN	ug/kg	270	JN	1.0	YES	NV
Benzene, 2-ethyl-1,4-dimethyl-	TIC	160	JN	ug/kg	160	JN	1.0	YES	NV
Benzene, 1,2,3,4-tetramethyl-	TIC	150	JN	ug/kg	150	JN	1.0	YES	NV
Benzene, 2-ethenyl-1,4-dimethyl-	TIC	180	JN	ug/kg	180	JN	1.0	YES	NV
1H-Indene, 2,3-dihydro-4,7-dimethy	TIC	130	JN	ug/kg	130	JN	1.0	YES	NV
unknown-01	TIC	260	J	ug/kg	260	J	1.0	YES	NV
unknown-03	TIC	210	J	ug/kg	210	J	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED09B

Sample Number: BG583	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED09/SW09	pH:	Sample Date: 04/23/2021	Sample Time: 09:30:00
% Moisture:		% Solids: 59.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Chloromethane	Target	11	UJ	ug/kg	11	U	1.0	YES	S3VEM
Vinyl chloride	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Bromomethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Chloroethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	11	UJ	ug/kg	11	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Acetone	Target	130	J+	ug/kg	130		1.0	YES	S3VEM
Carbon disulfide	Target	9.5	J	ug/kg	9.5	J	1.0	YES	S3VEM
Methyl Acetate	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Methylene chloride	Target	22		ug/kg	22	B	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	11	UJ	ug/kg	11	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	11	UJ	ug/kg	11	U	1.0	YES	S3VEM
2-Butanone	Target	35	J+	ug/kg	35		1.0	YES	S3VEM
Bromochloromethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Chloroform	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Cyclohexane	Target	3.8	J	ug/kg	3.8	J	1.0	YES	S3VEM
Carbon tetrachloride	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Benzene	Target	10	J	ug/kg	10	J	1.0	YES	S3VEM
1,2-Dichloroethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Trichloroethene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Methylcyclohexane	Target	13		ug/kg	13		1.0	YES	S3VEM
1,2-Dichloropropane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Bromodichloromethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	23	U	ug/kg	23	U	1.0	YES	S3VEM
Toluene	Target	11	U	ug/kg	2.3	JB	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Tetrachloroethene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
2-Hexanone	Target	23	U	ug/kg	23	U	1.0	YES	S3VEM
Dibromochloromethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Chlorobenzene	Target	3.6	J	ug/kg	3.6	J	1.0	YES	S3VEM
Ethylbenzene	Target	23		ug/kg	23		1.0	YES	S3VEM
o-Xylene	Target	23		ug/kg	23		1.0	YES	S3VEM
m,p-Xylene	Target	25		ug/kg	25		1.0	YES	S3VEM
Styrene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Bromoform	Target	11	UJ	ug/kg	11	U	1.0	YES	S3VEM
Isopropylbenzene	Target	15	J+	ug/kg	15		1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	11	UJ	ug/kg	11	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	11	UJ	ug/kg	11	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	11	UJ	ug/kg	11	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	11	UJ	ug/kg	11	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	11	UJ	ug/kg	11	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	97	J+	ug/kg	97		1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	47	J+	ug/kg	47		1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED09B

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	11	UJ	ug/kg	11	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	11	UJ	ug/kg	11	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Sample Number: BG583ME	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED09/SW09	pH:	Sample Date: 04/23/2021	Sample Time: 09:30:00
% Moisture:		% Solids: 59.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	740	U	ug/kg	740	U	1.0	NO	S3VEM
Chloromethane	Target	740	U	ug/kg	740	U	1.0	NO	S3VEM
Vinyl chloride	Target	740	U	ug/kg	740	U	1.0	NO	S3VEM
Bromomethane	Target	740	U	ug/kg	740	U	1.0	NO	S3VEM
Chloroethane	Target	740	U	ug/kg	740	U	1.0	NO	S3VEM
Trichlorofluoromethane	Target	740	U	ug/kg	740	U	1.0	NO	S3VEM
1,1-Dichloroethene	Target	740	U	ug/kg	740	U	1.0	NO	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	740	U	ug/kg	740	U	1.0	NO	S3VEM
Acetone	Target	1500	U	ug/kg	1500	U	1.0	NO	S3VEM
Carbon disulfide	Target	740	U	ug/kg	740	U	1.0	NO	S3VEM
Methyl Acetate	Target	740	U	ug/kg	740	U	1.0	NO	S3VEM
Methylene chloride	Target	740	U	ug/kg	740	U	1.0	NO	S3VEM
trans-1,2-Dichloroethene	Target	740	U	ug/kg	740	U	1.0	NO	S3VEM
Methyl tert-butyl Ether	Target	740	U	ug/kg	740	U	1.0	NO	S3VEM
1,1-Dichloroethane	Target	740	U	ug/kg	740	U	1.0	NO	S3VEM
cis-1,2-Dichloroethene	Target	740	U	ug/kg	740	U	1.0	NO	S3VEM
2-Butanone	Target	1500	U	ug/kg	1500	U	1.0	NO	S3VEM
Bromochloromethane	Target	740	U	ug/kg	740	U	1.0	NO	S3VEM
Chloroform	Target	740	U	ug/kg	740	U	1.0	NO	S3VEM
1,1,1-Trichloroethane	Target	740	U	ug/kg	740	U	1.0	NO	S3VEM
Cyclohexane	Target	740	U	ug/kg	740	U	1.0	NO	S3VEM
Carbon tetrachloride	Target	740	U	ug/kg	740	U	1.0	NO	S3VEM
Benzene	Target	740	U	ug/kg	740	U	1.0	NO	S3VEM
1,2-Dichloroethane	Target	740	U	ug/kg	740	U	1.0	NO	S3VEM
Trichloroethene	Target	740	U	ug/kg	740	U	1.0	NO	S3VEM
Methylcyclohexane	Target	740	U	ug/kg	740	U	1.0	NO	S3VEM
1,2-Dichloropropane	Target	740	U	ug/kg	740	U	1.0	NO	S3VEM
Bromodichloromethane	Target	740	U	ug/kg	740	U	1.0	NO	S3VEM
cis-1,3-Dichloropropene	Target	740	U	ug/kg	740	U	1.0	NO	S3VEM
4-Methyl-2-pentanone	Target	1500	U	ug/kg	1500	U	1.0	NO	S3VEM
Toluene	Target	740	U	ug/kg	740	U	1.0	NO	S3VEM
trans-1,3-Dichloropropene	Target	740	U	ug/kg	740	U	1.0	NO	S3VEM
1,1,2-Trichloroethane	Target	740	U	ug/kg	740	U	1.0	NO	S3VEM
Tetrachloroethene	Target	740	U	ug/kg	740	U	1.0	NO	S3VEM
2-Hexanone	Target	1500	U	ug/kg	1500	U	1.0	NO	S3VEM
Dibromochloromethane	Target	740	U	ug/kg	740	U	1.0	NO	S3VEM
1,2-Dibromoethane	Target	740	U	ug/kg	740	U	1.0	NO	S3VEM
Chlorobenzene	Target	740	U	ug/kg	740	U	1.0	NO	S3VEM
Ethylbenzene	Target	740	U	ug/kg	740	U	1.0	NO	S3VEM
o-Xylene	Target	740	U	ug/kg	740	U	1.0	NO	S3VEM
m,p-Xylene	Target	740	U	ug/kg	740	U	1.0	NO	S3VEM
Styrene	Target	740	U	ug/kg	740	U	1.0	NO	S3VEM
Bromoform	Target	740	U	ug/kg	740	U	1.0	NO	S3VEM
Isopropylbenzene	Target	740	U	ug/kg	740	U	1.0	NO	S3VEM
1,2,3-Trichloropropane	Target	740	U	ug/kg	740	U	1.0	NO	S3VEM
1,1,2,2-Tetrachloroethane	Target	740	U	ug/kg	740	U	1.0	NO	S3VEM
1,3-Dichlorobenzene	Target	740	U	ug/kg	740	U	1.0	NO	S3VEM
1,4-Dichlorobenzene	Target	740	U	ug/kg	740	U	1.0	NO	S3VEM
1,2-Dichlorobenzene	Target	740	U	ug/kg	740	U	1.0	NO	S3VEM
1,2-Dibromo-3-chloropropane	Target	740	U	ug/kg	740	U	1.0	NO	S3VEM
1,2,4-Trimethylbenzene	Target	740	U	ug/kg	740	U	1.0	NO	S3VEM
1,3,5-Trimethylbenzene	Target	740	U	ug/kg	740	U	1.0	NO	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	740	U	ug/kg	740	U	1.0	NO	S3VEM
1,2,3-Trichlorobenzene	Target	740	U	ug/kg	740	U	1.0	NO	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	NO	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED09C

Sample Number: BG584	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: SED09/SW09	pH:	Sample Date: 04/23/2021	Sample Time: 09:40:00
% Moisture:		% Solids: 61.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	53	U	ug/kg	53	U	1.0	YES	S3VEM
Aroclor-1221	Target	53	U	ug/kg	53	U	1.0	YES	S3VEM
Aroclor-1232	Target	53	U	ug/kg	53	U	1.0	YES	S3VEM
Aroclor-1242	Target	53	U	ug/kg	53	U	1.0	YES	S3VEM
Aroclor-1248	Target	50	J	ug/kg	50	JP	1.0	YES	S3VEM
Aroclor-1254	Target	48	J	ug/kg	48	J	1.0	YES	S3VEM
Aroclor-1260	Target	53	U	ug/kg	53	U	1.0	YES	S3VEM
Aroclor-1262	Target	53	U	ug/kg	53	U	1.0	YES	S3VEM
Aroclor-1268	Target	53	U	ug/kg	53	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED09C

Sample Number: BG584	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: SED09/SW09	pH:	Sample Date: 04/23/2021	Sample Time: 09:40:00
% Moisture:		% Solids: 61.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	2.8	U	ug/kg	2.8	U	1.0	YES	S3VEM
beta-BHC	Target	2.8	U	ug/kg	2.8	U	1.0	YES	S3VEM
delta-BHC	Target	1.7	J	ug/kg	1.7	JP	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.49	J	ug/kg	0.49	JP	1.0	YES	S3VEM
Heptachlor	Target	2.8	U	ug/kg	2.8	U	1.0	YES	S3VEM
Aldrin	Target	2.8	U	ug/kg	2.8	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	2.8	U	ug/kg	2.8	U	1.0	YES	S3VEM
Endosulfan I	Target	2.8	U	ug/kg	2.8	U	1.0	YES	S3VEM
Dieldrin	Target	1.1	NJ	ug/kg	1.1	JP	1.0	YES	S3VEM
4,4'-DDE	Target	2.9	J	ug/kg	2.9	JP	1.0	YES	S3VEM
Endrin	Target	2.0	J	ug/kg	2.0	JP	1.0	YES	S3VEM
Endosulfan II	Target	9.3		ug/kg	9.3		1.0	YES	S3VEM
4,4'-DDD	Target	11		ug/kg	11		1.0	YES	S3VEM
Endosulfan Sulfate	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.49	NJ	ug/kg	0.49	JP	1.0	YES	S3VEM
Methoxychlor	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
Endrin ketone	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S3VEM
cis-Chlordane	Target	9.1	J	ug/kg	9.1	P	1.0	YES	S3VEM
trans-Chlordane	Target	8.8	NJ	ug/kg	8.8	P	1.0	YES	S3VEM
Toxaphene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED09C

Sample Number: BG584	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SED09/SW09	pH:	Sample Date: 04/23/2021	Sample Time: 09:40:00
% Moisture:		% Solids: 61.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	110	U	ug/kg	110	U	1.0	YES	S3VEM
Benzaldehyde	Target	540	U	ug/kg	540	U	1.0	YES	S3VEM
Phenol	Target	75	J	ug/kg	75	J	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	540	U	ug/kg	540	U	1.0	YES	S3VEM
2-Chlorophenol	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
2-Methylphenol	Target	540	U	ug/kg	540	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	540	U	ug/kg	540	U	1.0	YES	S3VEM
Acetophenone	Target	77	J	ug/kg	77	J	1.0	YES	S3VEM
4-Methylphenol	Target	540	U	ug/kg	540	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Hexachloroethane	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Nitrobenzene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Isophorone	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
2-Nitrophenol	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Naphthalene	Target	550		ug/kg	550		1.0	YES	S3VEM
4-Chloroaniline	Target	540	U	ug/kg	540	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Caprolactam	Target	540	U	ug/kg	540	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	80	J	ug/kg	80	J	1.0	YES	S3VEM
2-Methylnaphthalene	Target	150	J	ug/kg	150	J	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	540	U	ug/kg	540	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
2-Nitroaniline	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Dimethylphthalate	Target	56	J	ug/kg	56	J	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Acenaphthylene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
3-Nitroaniline	Target	540	U	ug/kg	540	U	1.0	YES	S3VEM
Acenaphthene	Target	350		ug/kg	350		1.0	YES	S3VEM
2,4-Dinitrophenol	Target	540	U	ug/kg	540	U	1.0	YES	S3VEM
4-Nitrophenol	Target	540	U	ug/kg	540	U	1.0	YES	S3VEM
Dibenzofuran	Target	310		ug/kg	310		1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Diethylphthalate	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Fluorene	Target	290		ug/kg	290		1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
4-Nitroaniline	Target	540	U	ug/kg	540	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	540	U	ug/kg	540	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Atrazine	Target	540	U	ug/kg	540	U	1.0	YES	S3VEM
Pentachlorophenol	Target	540	U	ug/kg	540	U	1.0	YES	S3VEM
Phenanthrene	Target	2600		ug/kg	2600		1.0	YES	S3VEM
Anthracene	Target	290		ug/kg	290		1.0	YES	S3VEM
Carbazole	Target	260	J	ug/kg	260	J	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED09C

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Fluoranthene	Target	3100		ug/kg	3100		1.0	YES	S3VEM
Pyrene	Target	2300		ug/kg	2300		1.0	YES	S3VEM
Butylbenzylphthalate	Target	81	J	ug/kg	81	J	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	540	U	ug/kg	540	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	1000		ug/kg	1000		1.0	YES	S3VEM
Chrysene	Target	1200		ug/kg	1200		1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	2100		ug/kg	2100		1.0	YES	S3VEM
Di-n-octyl phthalate	Target	540	U	ug/kg	540	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	1400		ug/kg	1400		1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	400		ug/kg	400		1.0	YES	S3VEM
Benzo(a)pyrene	Target	890		ug/kg	890		1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	460		ug/kg	460		1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	160	J	ug/kg	160	J	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	500		ug/kg	500		1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Total Alkanes	TIC	630	B	ug/kg	630	B	1.0	YES	NV
9H-Fluoren-9-one	TIC	270	JN	ug/kg	270	JN	1.0	YES	NV
Benzophenone, 3-methoxy-4-methyl-	TIC	130	JN	ug/kg	130	JN	1.0	YES	NV
4H-Cyclopenta[def]phenanthrene	TIC	300	JN	ug/kg	300	JN	1.0	YES	NV
Phenanthrene, 1-methyl-	TIC	400	JN	ug/kg	400	JN	1.0	YES	NV
[1,1-Biphenyl]-4-carboxaldehyde	TIC	130	JN	ug/kg	130	JN	1.0	YES	NV
unknown-02	TIC	150	J	ug/kg	150	J	1.0	YES	NV
unknown-01	TIC	180	J	ug/kg	180	J	1.0	YES	NV
Anthracene, 2-methyl-	TIC	180	JN	ug/kg	180	JN	1.0	YES	NV
Dibenzothiophene	TIC	340	JN	ug/kg	340	JN	1.0	YES	NV
9,10-Anthracenedione	TIC	320	JN	ug/kg	320	JN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED09C

Sample Number: BG584	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED09/SW09	pH:	Sample Date: 04/23/2021	Sample Time: 09:40:00
% Moisture:		% Solids: 61.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	7.1	U	ug/kg	7.1	U	1.0	YES	S3VEM
Chloromethane	Target	7.1	UJ	ug/kg	7.1	U	1.0	YES	S3VEM
Vinyl chloride	Target	7.1	U	ug/kg	7.1	U	1.0	YES	S3VEM
Bromomethane	Target	7.1	U	ug/kg	7.1	U	1.0	YES	S3VEM
Chloroethane	Target	7.1	U	ug/kg	7.1	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	7.1	UJ	ug/kg	7.1	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	7.1	UJ	ug/kg	7.1	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	7.1	UJ	ug/kg	7.1	U	1.0	YES	S3VEM
Acetone	Target	27		ug/kg	27		1.0	YES	S3VEM
Carbon disulfide	Target	2.8	J	ug/kg	2.8	J	1.0	YES	S3VEM
Methyl Acetate	Target	7.1	UJ	ug/kg	7.1	U	1.0	YES	S3VEM
Methylene chloride	Target	10	UJ	ug/kg	10		1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	7.1	UJ	ug/kg	7.1	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	7.1	UJ	ug/kg	7.1	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	7.1	U	ug/kg	7.1	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	7.1	UJ	ug/kg	7.1	U	1.0	YES	S3VEM
2-Butanone	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Bromochloromethane	Target	7.1	U	ug/kg	7.1	U	1.0	YES	S3VEM
Chloroform	Target	7.1	U	ug/kg	7.1	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	7.1	UJ	ug/kg	7.1	U	1.0	YES	S3VEM
Cyclohexane	Target	7.1	U	ug/kg	7.1	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	7.1	UJ	ug/kg	7.1	U	1.0	YES	S3VEM
Benzene	Target	7.1	U	ug/kg	7.1	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	7.1	UJ	ug/kg	7.1	U	1.0	YES	S3VEM
Trichloroethene	Target	7.1	U	ug/kg	7.1	U	1.0	YES	S3VEM
Methylcyclohexane	Target	7.1	U	ug/kg	7.1	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	7.1	U	ug/kg	7.1	U	1.0	YES	S3VEM
Bromodichloromethane	Target	7.1	U	ug/kg	7.1	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	7.1	U	ug/kg	7.1	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Toluene	Target	7.1	U	ug/kg	7.1	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	7.1	U	ug/kg	7.1	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	7.1	U	ug/kg	7.1	U	1.0	YES	S3VEM
Tetrachloroethene	Target	7.1	U	ug/kg	7.1	U	1.0	YES	S3VEM
2-Hexanone	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Dibromochloromethane	Target	7.1	U	ug/kg	7.1	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	7.1	UJ	ug/kg	7.1	U	1.0	YES	S3VEM
Chlorobenzene	Target	7.1	UJ	ug/kg	7.1	U	1.0	YES	S3VEM
Ethylbenzene	Target	7.1	U	ug/kg	7.1	U	1.0	YES	S3VEM
o-Xylene	Target	7.1	U	ug/kg	7.1	U	1.0	YES	S3VEM
m,p-Xylene	Target	7.1	U	ug/kg	7.1	U	1.0	YES	S3VEM
Styrene	Target	7.1	U	ug/kg	7.1	U	1.0	YES	S3VEM
Bromoform	Target	7.1	U	ug/kg	7.1	U	1.0	YES	S3VEM
Isopropylbenzene	Target	7.1	U	ug/kg	7.1	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	7.1	U	ug/kg	7.1	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	7.1	U	ug/kg	7.1	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	7.1	UJ	ug/kg	7.1	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	7.1	UJ	ug/kg	7.1	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	7.1	UJ	ug/kg	7.1	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	7.1	U	ug/kg	7.1	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	7.1	U	ug/kg	7.1	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	7.1	U	ug/kg	7.1	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED09C

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	7.1	UJ	ug/kg	7.1	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	7.1	UJ	ug/kg	7.1	U	1.0	YES	S3VEM
unknown-01	TIC	20	J	ug/kg	20	J	1.0	YES	NV
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED10A

Sample Number: BG585	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: SED10	pH:	Sample Date: 04/26/2021	Sample Time: 10:20:00
% Moisture:		% Solids: 43.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	75	U	ug/kg	75	U	1.0	YES	S3VEM
Aroclor-1221	Target	75	U	ug/kg	75	U	1.0	YES	S3VEM
Aroclor-1232	Target	75	U	ug/kg	75	U	1.0	YES	S3VEM
Aroclor-1242	Target	75	U	ug/kg	75	U	1.0	YES	S3VEM
Aroclor-1248	Target	42	J	ug/kg	42	JP	1.0	YES	S3VEM
Aroclor-1254	Target	41	J	ug/kg	41	J	1.0	YES	S3VEM
Aroclor-1260	Target	75	U	ug/kg	75	U	1.0	YES	S3VEM
Aroclor-1262	Target	75	U	ug/kg	75	U	1.0	YES	S3VEM
Aroclor-1268	Target	75	U	ug/kg	75	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED10A

Sample Number: BG585	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: SED10	pH:	Sample Date: 04/26/2021	Sample Time: 10:20:00
% Moisture:		% Solids: 43.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	3.9	U	ug/kg	3.9	U	1.0	YES	S3VEM
beta-BHC	Target	3.9	U	ug/kg	3.9	U	1.0	YES	S3VEM
delta-BHC	Target	1.5	J	ug/kg	1.5	JP	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.45	J	ug/kg	0.45	J	1.0	YES	S3VEM
Heptachlor	Target	3.9	U	ug/kg	3.9	U	1.0	YES	S3VEM
Aldrin	Target	3.9	U	ug/kg	3.9	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	3.9	U	ug/kg	3.9	U	1.0	YES	S3VEM
Endosulfan I	Target	3.9	U	ug/kg	3.9	U	1.0	YES	S3VEM
Dieldrin	Target	0.98	NJ	ug/kg	0.98	JP	1.0	YES	S3VEM
4,4'-DDE	Target	3.1	J	ug/kg	3.1	JP	1.0	YES	S3VEM
Endrin	Target	2.3	J	ug/kg	2.3	JP	1.0	YES	S3VEM
Endosulfan II	Target	8.2		ug/kg	8.2		1.0	YES	S3VEM
4,4'-DDD	Target	6.4	J	ug/kg	6.4	JP	1.0	YES	S3VEM
Endosulfan Sulfate	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S3VEM
4,4'-DDT	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S3VEM
Methoxychlor	Target	1.9	NJ	ug/kg	1.9	JP	1.0	YES	S3VEM
Endrin ketone	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S3VEM
cis-Chlordane	Target	9.6		ug/kg	9.6		1.0	YES	S3VEM
trans-Chlordane	Target	7.3	NJ	ug/kg	7.3	P	1.0	YES	S3VEM
Toxaphene	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED10A

Sample Number: BG585	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SED10	pH:	Sample Date: 04/26/2021	Sample Time: 10:20:00
% Moisture:		% Solids: 43.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	150	U	ug/kg	150	U	1.0	YES	S3VEM
Benzaldehyde	Target	750	U	ug/kg	750	U	1.0	YES	S3VEM
Phenol	Target	750	U	ug/kg	750	U	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	750	U	ug/kg	750	U	1.0	YES	S3VEM
2-Chlorophenol	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
2-Methylphenol	Target	750	U	ug/kg	750	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	750	U	ug/kg	750	U	1.0	YES	S3VEM
Acetophenone	Target	750	U	ug/kg	750	U	1.0	YES	S3VEM
4-Methylphenol	Target	750	U	ug/kg	750	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Hexachloroethane	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Nitrobenzene	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Isophorone	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
2-Nitrophenol	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Naphthalene	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
4-Chloroaniline	Target	750	U	ug/kg	750	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Caprolactam	Target	750	U	ug/kg	750	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	750	U	ug/kg	750	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
2-Nitroaniline	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Dimethylphthalate	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Acenaphthylene	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
3-Nitroaniline	Target	750	U	ug/kg	750	U	1.0	YES	S3VEM
Acenaphthene	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	750	U	ug/kg	750	U	1.0	YES	S3VEM
4-Nitrophenol	Target	750	U	ug/kg	750	U	1.0	YES	S3VEM
Dibenzofuran	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Diethylphthalate	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Fluorene	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
4-Nitroaniline	Target	750	U	ug/kg	750	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	750	U	ug/kg	750	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Atrazine	Target	750	U	ug/kg	750	U	1.0	YES	S3VEM
Pentachlorophenol	Target	750	U	ug/kg	750	U	1.0	YES	S3VEM
Phenanthrene	Target	140	J	ug/kg	140	J	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED10A

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Anthracene	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Carbazole	Target	750	U	ug/kg	750	U	1.0	YES	S3VEM
Di-n-butylphthalate	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Fluoranthene	Target	210	J	ug/kg	210	J	1.0	YES	S3VEM
Pyrene	Target	270	J	ug/kg	270	J	1.0	YES	S3VEM
Butylbenzylphthalate	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	750	U	ug/kg	750	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	110	J	ug/kg	110	J	1.0	YES	S3VEM
Chrysene	Target	100	J	ug/kg	100	J	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	90	J	ug/kg	90	J	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	750	U	ug/kg	750	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	110	J	ug/kg	110	J	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	95	J	ug/kg	95	J	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Ethanol, 2-(octadecyloxy)-	TIC	180	JN	ug/kg	180	JN	1.0	YES	NV
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED10A

Sample Number: BG585	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED10	pH:	Sample Date: 04/26/2021	Sample Time: 10:20:00
% Moisture:		% Solids: 43.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	16	U	ug/kg	16	U	1.0	YES	S3VEM
Chloromethane	Target	16	U	ug/kg	16	U	1.0	YES	S3VEM
Vinyl chloride	Target	16	U	ug/kg	16	U	1.0	YES	S3VEM
Bromomethane	Target	16	U	ug/kg	16	U	1.0	YES	S3VEM
Chloroethane	Target	16	U	ug/kg	16	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	16	U	ug/kg	16	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	16	U	ug/kg	16	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	16	U	ug/kg	16	U	1.0	YES	S3VEM
Acetone	Target	120		ug/kg	120		1.0	YES	S3VEM
Carbon disulfide	Target	10	J	ug/kg	10	J	1.0	YES	S3VEM
Methyl Acetate	Target	16	U	ug/kg	16	U	1.0	YES	S3VEM
Methylene chloride	Target	25		ug/kg	25	B	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	16	U	ug/kg	16	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	20		ug/kg	20		1.0	YES	S3VEM
1,1-Dichloroethane	Target	16	U	ug/kg	16	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	16	U	ug/kg	16	U	1.0	YES	S3VEM
2-Butanone	Target	31		ug/kg	31		1.0	YES	S3VEM
Bromochloromethane	Target	16	U	ug/kg	16	U	1.0	YES	S3VEM
Chloroform	Target	16	U	ug/kg	16	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	16	UJ	ug/kg	16	U	1.0	YES	S3VEM
Cyclohexane	Target	3.5	J+	ug/kg	3.5	J	1.0	YES	S3VEM
Carbon tetrachloride	Target	16	UJ	ug/kg	16	U	1.0	YES	S3VEM
Benzene	Target	9.2	J+	ug/kg	9.2	J	1.0	YES	S3VEM
1,2-Dichloroethane	Target	16	U	ug/kg	16	U	1.0	YES	S3VEM
Trichloroethene	Target	16	UJ	ug/kg	16	U	1.0	YES	S3VEM
Methylcyclohexane	Target	23	J+	ug/kg	23		1.0	YES	S3VEM
1,2-Dichloropropane	Target	16	UJ	ug/kg	16	U	1.0	YES	S3VEM
Bromodichloromethane	Target	16	UJ	ug/kg	16	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	16	UJ	ug/kg	16	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	31	UJ	ug/kg	31	U	1.0	YES	S3VEM
Toluene	Target	16	UJ	ug/kg	3.3	JB	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	16	UJ	ug/kg	16	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	16	UJ	ug/kg	16	U	1.0	YES	S3VEM
Tetrachloroethene	Target	16	UJ	ug/kg	16	U	1.0	YES	S3VEM
2-Hexanone	Target	31	UJ	ug/kg	31	U	1.0	YES	S3VEM
Dibromochloromethane	Target	16	UJ	ug/kg	16	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	16	UJ	ug/kg	16	U	1.0	YES	S3VEM
Chlorobenzene	Target	4.7	J+	ug/kg	4.7	J	1.0	YES	S3VEM
Ethylbenzene	Target	13	J+	ug/kg	13	J	1.0	YES	S3VEM
o-Xylene	Target	60	J+	ug/kg	60		1.0	YES	S3VEM
m,p-Xylene	Target	28	J+	ug/kg	28		1.0	YES	S3VEM
Styrene	Target	16	UJ	ug/kg	16	U	1.0	YES	S3VEM
Bromoform	Target	16	UJ	ug/kg	16	U	1.0	YES	S3VEM
Isopropylbenzene	Target	66	J+	ug/kg	66		1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	16	UJ	ug/kg	16	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	16	UJ	ug/kg	16	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	16	UJ	ug/kg	16	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	16	UJ	ug/kg	16	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	16	UJ	ug/kg	16	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	16	UJ	ug/kg	16	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	270	J+	ug/kg	270		1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	100	J+	ug/kg	100		1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED10A

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	16	UJ	ug/kg	16	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	16	UJ	ug/kg	16	U	1.0	YES	S3VEM
unknown-01	TIC	11	J	ug/kg	11	J	1.0	YES	NV
unknown-05	TIC	22	J	ug/kg	22	J	1.0	YES	NV
unknown-03	TIC	32	J	ug/kg	32	J	1.0	YES	NV
unknown-04	TIC	77	J	ug/kg	77	J	1.0	YES	NV
unknown-02	TIC	84	J	ug/kg	84	J	1.0	YES	NV
Total Alkanes	TIC	3600	BN	ug/kg	3600	BN	1.0	YES	NV
Benzene, 1-ethyl-2,4-dimethyl-	TIC	38	JN	ug/kg	38	JN	1.0	YES	NV
Naphthalene, decahydro-2-methyl-	TIC	98	JN	ug/kg	98	JN	1.0	YES	NV
Formic acid, decyl ester	TIC	16	JN	ug/kg	16	JN	1.0	YES	NV
5-Chlorovaleric acid, 3-pentadecyl	TIC	46	JN	ug/kg	46	JN	1.0	YES	NV
Sulfurous acid, di(cyclohexylmethy	TIC	27	JN	ug/kg	27	JN	1.0	YES	NV
Benzene, 1,2,4,5-tetramethyl-	TIC	160	JN	ug/kg	160	JN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Sample Number: BG585ME	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED10	pH:	Sample Date: 04/26/2021	Sample Time: 10:20:00
% Moisture:		% Solids: 43.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	1100	U	ug/kg	1100	U	1.0	NO	S3VEM
Chloromethane	Target	1100	U	ug/kg	1100	U	1.0	NO	S3VEM
Vinyl chloride	Target	1100	U	ug/kg	1100	U	1.0	NO	S3VEM
Bromomethane	Target	1100	U	ug/kg	1100	U	1.0	NO	S3VEM
Chloroethane	Target	1100	U	ug/kg	1100	U	1.0	NO	S3VEM
Trichlorofluoromethane	Target	1100	U	ug/kg	1100	U	1.0	NO	S3VEM
1,1-Dichloroethene	Target	1100	U	ug/kg	1100	U	1.0	NO	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	1100	U	ug/kg	1100	U	1.0	NO	S3VEM
Acetone	Target	2300	U	ug/kg	2300	U	1.0	NO	S3VEM
Carbon disulfide	Target	1100	U	ug/kg	1100	U	1.0	NO	S3VEM
Methyl Acetate	Target	1100	U	ug/kg	1100	U	1.0	NO	S3VEM
Methylene chloride	Target	1100	U	ug/kg	1100	U	1.0	NO	S3VEM
trans-1,2-Dichloroethene	Target	1100	U	ug/kg	1100	U	1.0	NO	S3VEM
Methyl tert-butyl Ether	Target	1100	U	ug/kg	1100	U	1.0	NO	S3VEM
1,1-Dichloroethane	Target	1100	U	ug/kg	1100	U	1.0	NO	S3VEM
cis-1,2-Dichloroethene	Target	1100	U	ug/kg	1100	U	1.0	NO	S3VEM
2-Butanone	Target	2300	U	ug/kg	2300	U	1.0	NO	S3VEM
Bromochloromethane	Target	1100	U	ug/kg	1100	U	1.0	NO	S3VEM
Chloroform	Target	1100	U	ug/kg	1100	U	1.0	NO	S3VEM
1,1,1-Trichloroethane	Target	1100	U	ug/kg	1100	U	1.0	NO	S3VEM
Cyclohexane	Target	1100	U	ug/kg	1100	U	1.0	NO	S3VEM
Carbon tetrachloride	Target	1100	U	ug/kg	1100	U	1.0	NO	S3VEM
Benzene	Target	1100	U	ug/kg	1100	U	1.0	NO	S3VEM
1,2-Dichloroethane	Target	1100	U	ug/kg	1100	U	1.0	NO	S3VEM
Trichloroethene	Target	1100	U	ug/kg	1100	U	1.0	NO	S3VEM
Methylcyclohexane	Target	1100	U	ug/kg	1100	U	1.0	NO	S3VEM
1,2-Dichloropropane	Target	1100	U	ug/kg	1100	U	1.0	NO	S3VEM
Bromodichloromethane	Target	1100	U	ug/kg	1100	U	1.0	NO	S3VEM
cis-1,3-Dichloropropene	Target	1100	U	ug/kg	1100	U	1.0	NO	S3VEM
4-Methyl-2-pentanone	Target	2300	U	ug/kg	2300	U	1.0	NO	S3VEM
Toluene	Target	1100	U	ug/kg	1100	U	1.0	NO	S3VEM
trans-1,3-Dichloropropene	Target	1100	U	ug/kg	1100	U	1.0	NO	S3VEM
1,1,2-Trichloroethane	Target	1100	U	ug/kg	1100	U	1.0	NO	S3VEM
Tetrachloroethene	Target	1100	U	ug/kg	1100	U	1.0	NO	S3VEM
2-Hexanone	Target	2300	U	ug/kg	2300	U	1.0	NO	S3VEM
Dibromochloromethane	Target	1100	U	ug/kg	1100	U	1.0	NO	S3VEM
1,2-Dibromoethane	Target	1100	U	ug/kg	1100	U	1.0	NO	S3VEM
Chlorobenzene	Target	1100	U	ug/kg	1100	U	1.0	NO	S3VEM
Ethylbenzene	Target	1100	U	ug/kg	1100	U	1.0	NO	S3VEM
o-Xylene	Target	1100	U	ug/kg	1100	U	1.0	NO	S3VEM
m,p-Xylene	Target	1100	U	ug/kg	1100	U	1.0	NO	S3VEM
Styrene	Target	1100	U	ug/kg	1100	U	1.0	NO	S3VEM
Bromoform	Target	1100	U	ug/kg	1100	U	1.0	NO	S3VEM
Isopropylbenzene	Target	1100	U	ug/kg	1100	U	1.0	NO	S3VEM
1,2,3-Trichloropropane	Target	1100	U	ug/kg	1100	U	1.0	NO	S3VEM
1,1,2,2-Tetrachloroethane	Target	1100	U	ug/kg	1100	U	1.0	NO	S3VEM
1,3-Dichlorobenzene	Target	1100	U	ug/kg	1100	U	1.0	NO	S3VEM
1,4-Dichlorobenzene	Target	1100	U	ug/kg	1100	U	1.0	NO	S3VEM
1,2-Dichlorobenzene	Target	1100	U	ug/kg	1100	U	1.0	NO	S3VEM
1,2-Dibromo-3-chloropropane	Target	1100	U	ug/kg	1100	U	1.0	NO	S3VEM
1,2,4-Trimethylbenzene	Target	760	J	ug/kg	760	J	1.0	NO	S3VEM
1,3,5-Trimethylbenzene	Target	260	J	ug/kg	260	J	1.0	NO	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	1100	U	ug/kg	1100	U	1.0	NO	S3VEM
1,2,3-Trichlorobenzene	Target	1100	U	ug/kg	1100	U	1.0	NO	S3VEM
unknown-01	TIC	1400	J	ug/kg	1400	J	1.0	NO	NV
Naphthalene, 1-methyl-	TIC	7500	JN	ug/kg	7500	JN	1.0	NO	NV
Benzene, 1,2,3,4-tetramethyl-	TIC	2400	JN	ug/kg	2400	JN	1.0	NO	NV
o-Cymene	TIC	2700	JN	ug/kg	2700	JN	1.0	NO	NV
Naphthalene, 1,3-dimethyl-	TIC	3800	JN	ug/kg	3800	JN	1.0	NO	NV
Naphthalene, 2,3-dimethyl-	TIC	1000	JN	ug/kg	1000	JN	1.0	NO	NV
1-Phenyl-1-butene	TIC	980	JN	ug/kg	980	JN	1.0	NO	NV
Benzene, 1-methyl-4-(1-methylpropy	TIC	670	JN	ug/kg	670	JN	1.0	NO	NV
2-Tolyloxirane	TIC	1100	JN	ug/kg	1100	JN	1.0	NO	NV
Benzene, (2-methyl-1-butenyl)-	TIC	2400	JN	ug/kg	2400	JN	1.0	NO	NV
Total Alkanes	TIC	3900	BN	ug/kg	3900	BN	1.0	NO	NV
Naphthalene, 1,6-dimethyl-	TIC	4200	JN	ug/kg	4200	JN	1.0	NO	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED10B

Sample Number: BG586	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: SED10	pH:	Sample Date: 04/26/2021	Sample Time: 10:30:00
% Moisture:		% Solids: 42.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	77	U	ug/kg	77	U	1.0	YES	S3VEM
Aroclor-1221	Target	77	U	ug/kg	77	U	1.0	YES	S3VEM
Aroclor-1232	Target	77	U	ug/kg	77	U	1.0	YES	S3VEM
Aroclor-1242	Target	77	U	ug/kg	77	U	1.0	YES	S3VEM
Aroclor-1248	Target	98	J	ug/kg	98	P	1.0	YES	S3VEM
Aroclor-1254	Target	72	J	ug/kg	72	J	1.0	YES	S3VEM
Aroclor-1260	Target	77	U	ug/kg	77	U	1.0	YES	S3VEM
Aroclor-1262	Target	77	U	ug/kg	77	U	1.0	YES	S3VEM
Aroclor-1268	Target	77	U	ug/kg	77	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED10B

Sample Number: BG586	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: SED10	pH:	Sample Date: 04/26/2021	Sample Time: 10:30:00
% Moisture:		% Solids: 42.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S3VEM
beta-BHC	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S3VEM
delta-BHC	Target	3.9	J+	ug/kg	3.9	JP	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.67	J+	ug/kg	0.67	J	1.0	YES	S3VEM
Heptachlor	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S3VEM
Aldrin	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	1.0	NJ	ug/kg	1.0	JP	1.0	YES	S3VEM
Endosulfan I	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S3VEM
Dieldrin	Target	1.6	J+	ug/kg	1.6	JP	1.0	YES	S3VEM
4,4'-DDE	Target	6.6	J+	ug/kg	6.6	JP	1.0	YES	S3VEM
Endrin	Target	3.6	J+	ug/kg	3.6	JP	1.0	YES	S3VEM
Endosulfan II	Target	8.6	J+	ug/kg	8.6		1.0	YES	S3VEM
4,4'-DDD	Target	6.0	J+	ug/kg	6.0	JP	1.0	YES	S3VEM
Endosulfan Sulfate	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
4,4'-DDT	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
Methoxychlor	Target	1.1	NJ	ug/kg	1.1	JP	1.0	YES	S3VEM
Endrin ketone	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
cis-Chlordane	Target	13	J+	ug/kg	13		1.0	YES	S3VEM
trans-Chlordane	Target	14	J+	ug/kg	14	P	1.0	YES	S3VEM
Toxaphene	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED10B

Sample Number: BG586	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SED10	pH:	Sample Date: 04/26/2021	Sample Time: 10:30:00
% Moisture:		% Solids: 42.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	160	U	ug/kg	160	U	1.0	YES	S3VEM
Benzaldehyde	Target	770	U	ug/kg	770	U	1.0	YES	S3VEM
Phenol	Target	89	J	ug/kg	89	J	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	770	U	ug/kg	770	U	1.0	YES	S3VEM
2-Chlorophenol	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
2-Methylphenol	Target	770	U	ug/kg	770	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	770	U	ug/kg	770	U	1.0	YES	S3VEM
Acetophenone	Target	770	U	ug/kg	770	U	1.0	YES	S3VEM
4-Methylphenol	Target	770	U	ug/kg	770	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Hexachloroethane	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Nitrobenzene	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Isophorone	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
2-Nitrophenol	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Naphthalene	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
4-Chloroaniline	Target	770	U	ug/kg	770	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Caprolactam	Target	770	U	ug/kg	770	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	770	U	ug/kg	770	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
2-Nitroaniline	Target	400	UJ	ug/kg	400	U	1.0	YES	S3VEM
Dimethylphthalate	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Acenaphthylene	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
3-Nitroaniline	Target	770	UJ	ug/kg	770	U	1.0	YES	S3VEM
Acenaphthene	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	770	UJ	ug/kg	770	U	1.0	YES	S3VEM
4-Nitrophenol	Target	770	UJ	ug/kg	770	U	1.0	YES	S3VEM
Dibenzofuran	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Diethylphthalate	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Fluorene	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
4-Nitroaniline	Target	770	UJ	ug/kg	770	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	770	UJ	ug/kg	770	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Atrazine	Target	770	U	ug/kg	770	U	1.0	YES	S3VEM
Pentachlorophenol	Target	770	U	ug/kg	770	U	1.0	YES	S3VEM
Phenanthrene	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Anthracene	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Carbazole	Target	770	U	ug/kg	770	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED10B

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Fluoranthene	Target	260	J	ug/kg	260	J	1.0	YES	S3VEM
Pyrene	Target	250	J	ug/kg	250	J	1.0	YES	S3VEM
Butylbenzylphthalate	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	770	U	ug/kg	770	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Chrysene	Target	100	J	ug/kg	100	J	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	2200		ug/kg	2200		1.0	YES	S3VEM
Di-n-octyl phthalate	Target	770	U	ug/kg	770	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	85	J	ug/kg	85	J	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
n-Hexadecanoic acid	TIC	480	JN	ug/kg	480	JN	1.0	YES	NV
Pentanoic acid, 5-hydroxy-, p-t-bu	TIC	180	JN	ug/kg	180	JN	1.0	YES	NV
Phosphine, methyl-(2,4,6-triisopro	TIC	4200	JN	ug/kg	4200	JN	1.0	YES	NV
Total Alkanes	TIC	3300	B	ug/kg	3300	B	1.0	YES	NV
Naphthalene, 1,6,7-trimethyl-	TIC	160	JN	ug/kg	160	JN	1.0	YES	NV
unknown-02	TIC	180	J	ug/kg	180	J	1.0	YES	NV
unknown-01	TIC	230	J	ug/kg	230	J	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED10B

Sample Number: BG586	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED10	pH:	Sample Date: 04/26/2021	Sample Time: 10:30:00
% Moisture:		% Solids: 42.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Chloromethane	Target	11	UJ	ug/kg	11	U	1.0	YES	S3VEM
Vinyl chloride	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Bromomethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Chloroethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	11	UJ	ug/kg	11	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Acetone	Target	26		ug/kg	26		1.0	YES	S3VEM
Carbon disulfide	Target	5	J	ug/kg	5	J	1.0	YES	S3VEM
Methyl Acetate	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Methylene chloride	Target	22		ug/kg	22	B	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	11	UJ	ug/kg	11	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	11	UJ	ug/kg	11	U	1.0	YES	S3VEM
2-Butanone	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
Bromochloromethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Chloroform	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Cyclohexane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Benzene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Trichloroethene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Methylcyclohexane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Bromodichloromethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
Toluene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Tetrachloroethene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
2-Hexanone	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
Dibromochloromethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Chlorobenzene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Ethylbenzene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
o-Xylene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
m,p-Xylene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Styrene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Bromoform	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Isopropylbenzene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED10B

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Bacchotricuneatin c	TIC	13	JN	ug/kg	13	JN	1.0	YES	NV
Naphthalene, 2,6-dimethyl-	TIC	19	JN	ug/kg	19	JN	1.0	YES	NV
Total Alkanes	TIC	53	BN	ug/kg	53	BN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED10C

Sample Number: BG587	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: SED10	pH:	Sample Date: 04/26/2021	Sample Time: 10:40:00
% Moisture:		% Solids: 76.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	43	U	ug/kg	43	U	1.0	YES	S3VEM
Aroclor-1221	Target	43	U	ug/kg	43	U	1.0	YES	S3VEM
Aroclor-1232	Target	43	U	ug/kg	43	U	1.0	YES	S3VEM
Aroclor-1242	Target	43	U	ug/kg	43	U	1.0	YES	S3VEM
Aroclor-1248	Target	100		ug/kg	100		1.0	YES	S3VEM
Aroclor-1254	Target	55	J	ug/kg	55	P	1.0	YES	S3VEM
Aroclor-1260	Target	43	U	ug/kg	43	U	1.0	YES	S3VEM
Aroclor-1262	Target	43	U	ug/kg	43	U	1.0	YES	S3VEM
Aroclor-1268	Target	43	U	ug/kg	43	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED10C

Sample Number: BG587	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: SED10	pH:	Sample Date: 04/26/2021	Sample Time: 10:40:00
% Moisture:		% Solids: 76.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
beta-BHC	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
delta-BHC	Target	3.0	J	ug/kg	3.0	P	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.60	J	ug/kg	0.60	JP	1.0	YES	S3VEM
Heptachlor	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
Aldrin	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.64	NJ	ug/kg	0.64	JP	1.0	YES	S3VEM
Endosulfan I	Target	2.2	U	ug/kg	2.2	U	1.0	YES	S3VEM
Dieldrin	Target	2.8	NJ	ug/kg	2.8	JP	1.0	YES	S3VEM
4,4'-DDE	Target	7.3	J	ug/kg	7.3	P	1.0	YES	S3VEM
Endrin	Target	0.99	NJ	ug/kg	0.99	JP	1.0	YES	S3VEM
Endosulfan II	Target	4.3	U	ug/kg	4.3	U	1.0	YES	S3VEM
4,4'-DDD	Target	21		ug/kg	21		1.0	YES	S3VEM
Endosulfan Sulfate	Target	4.3	U	ug/kg	4.3	U	1.0	YES	S3VEM
4,4'-DDT	Target	1.5	NJ	ug/kg	1.5	JP	1.0	YES	S3VEM
Methoxychlor	Target	1.3	NJ	ug/kg	1.3	JP	1.0	YES	S3VEM
Endrin ketone	Target	4.3	U	ug/kg	4.3	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	4.3	U	ug/kg	4.3	U	1.0	YES	S3VEM
cis-Chlordane	Target	7.8		ug/kg	7.8		1.0	YES	S3VEM
trans-Chlordane	Target	10		ug/kg	10		1.0	YES	S3VEM
Toxaphene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED10C

Sample Number: BG587	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SED10	pH:	Sample Date: 04/26/2021	Sample Time: 10:40:00
% Moisture:		% Solids: 76.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	87	U	ug/kg	87	U	1.0	YES	S3VEM
Benzaldehyde	Target	430	U	ug/kg	430	U	1.0	YES	S3VEM
Phenol	Target	430	U	ug/kg	430	U	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	430	U	ug/kg	430	U	1.0	YES	S3VEM
2-Chlorophenol	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2-Methylphenol	Target	430	U	ug/kg	430	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	430	U	ug/kg	430	U	1.0	YES	S3VEM
Acetophenone	Target	430	U	ug/kg	430	U	1.0	YES	S3VEM
4-Methylphenol	Target	430	U	ug/kg	430	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Hexachloroethane	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Nitrobenzene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Isophorone	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2-Nitrophenol	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Naphthalene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
4-Chloroaniline	Target	430	U	ug/kg	430	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Caprolactam	Target	430	U	ug/kg	430	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	430	U	ug/kg	430	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2-Nitroaniline	Target	220	UJ	ug/kg	220	U	1.0	YES	S3VEM
Dimethylphthalate	Target	50	J	ug/kg	50	J	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Acenaphthylene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
3-Nitroaniline	Target	430	UJ	ug/kg	430	U	1.0	YES	S3VEM
Acenaphthene	Target	71	J	ug/kg	71	J	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	430	UJ	ug/kg	430	U	1.0	YES	S3VEM
4-Nitrophenol	Target	430	UJ	ug/kg	430	U	1.0	YES	S3VEM
Dibenzofuran	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Diethylphthalate	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Fluorene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
4-Nitroaniline	Target	430	UJ	ug/kg	430	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	430	UJ	ug/kg	430	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Atrazine	Target	430	U	ug/kg	430	U	1.0	YES	S3VEM
Pentachlorophenol	Target	430	U	ug/kg	430	U	1.0	YES	S3VEM
Phenanthrene	Target	260		ug/kg	260		1.0	YES	S3VEM
Anthracene	Target	79	J	ug/kg	79	J	1.0	YES	S3VEM
Carbazole	Target	430	U	ug/kg	430	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED10C

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Fluoranthene	Target	430		ug/kg	430		1.0	YES	S3VEM
Pyrene	Target	460		ug/kg	460		1.0	YES	S3VEM
Butylbenzylphthalate	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	430	U	ug/kg	430	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	140	J	ug/kg	140	J	1.0	YES	S3VEM
Chrysene	Target	160	J	ug/kg	160	J	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	480		ug/kg	480		1.0	YES	S3VEM
Di-n-octyl phthalate	Target	430	U	ug/kg	430	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	150	J	ug/kg	150	J	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	100	J	ug/kg	100	J	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	51	J	ug/kg	51	J	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	62	J	ug/kg	62	J	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	220	U	ug/kg	220	U	1.0	YES	S3VEM
unknown-01	TIC	98	J	ug/kg	98	J	1.0	YES	NV
unknown-07	TIC	180	J	ug/kg	180	J	1.0	YES	NV
unknown-05	TIC	180	J	ug/kg	180	J	1.0	YES	NV
unknown-04	TIC	370	J	ug/kg	370	J	1.0	YES	NV
Naphthalene, 1-methyl-7-(1-methyle	TIC	170	JN	ug/kg	170	JN	1.0	YES	NV
Phenanthrene, 3,6-dimethyl-	TIC	280	JN	ug/kg	280	JN	1.0	YES	NV
Naphthalene, 1,6,7-trimethyl-	TIC	340	JN	ug/kg	340	JN	1.0	YES	NV
unknown-02	TIC	98	J	ug/kg	98	J	1.0	YES	NV
unknown-08	TIC	150	J	ug/kg	150	J	1.0	YES	NV
unknown-09	TIC	640	J	ug/kg	640	J	1.0	YES	NV
Naphthalene, 1,3-dimethyl-	TIC	290	JN	ug/kg	290	JN	1.0	YES	NV
4,4-Dimethylbiphenyl	TIC	230	JN	ug/kg	230	JN	1.0	YES	NV
Anthracene, 9-methyl-	TIC	280	JN	ug/kg	280	JN	1.0	YES	NV
Naphthalene, 2,3,6-trimethyl-	TIC	450	JN	ug/kg	450	JN	1.0	YES	NV
Phenanthrene, 2,5-dimethyl-	TIC	400	JN	ug/kg	400	JN	1.0	YES	NV
1,1-Biphenyl, 2,4-dimethyl-	TIC	220	JN	ug/kg	220	JN	1.0	YES	NV
1,4,5,8-Tetramethylnaphthalene	TIC	160	JN	ug/kg	160	JN	1.0	YES	NV
10,18-Bisnorabieta-5,7,9(10),11,13	TIC	350	JN	ug/kg	350	JN	1.0	YES	NV
unknown-03	TIC	90	J	ug/kg	90	J	1.0	YES	NV
Naphthalene, 2,3-dimethyl-	TIC	430	JN	ug/kg	430	JN	1.0	YES	NV
Naphthalene, 1,4,5-trimethyl-	TIC	530	JN	ug/kg	530	JN	1.0	YES	NV
Naphthalene, 1,2,3,4-tetramethyl-	TIC	220	JN	ug/kg	220	JN	1.0	YES	NV
1,1-Bicyclohexyl, 2-propyl-, cis-	TIC	160	JN	ug/kg	160	JN	1.0	YES	NV
unknown-06	TIC	87	J	ug/kg	87	J	1.0	YES	NV
7-Isopropenyl-1,4a-dimethyl-4,4a,5	TIC	450	JN	ug/kg	450	JN	1.0	YES	NV
Retene	TIC	550	JN	ug/kg	550	JN	1.0	YES	NV
Phenanthrene, 1-methyl-	TIC	220	JN	ug/kg	220	JN	1.0	YES	NV
Methyl ethyl cyclopentene	TIC	140	JN	ug/kg	140	JN	1.0	YES	NV
Total Alkanes	TIC	5900	B	ug/kg	5900	B	1.0	YES	NV
Naphthalene, 1,2-dimethyl-	TIC	250	JN	ug/kg	250	JN	1.0	YES	NV
Naphthalene, 1,4,6-trimethyl-	TIC	400	JN	ug/kg	400	JN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED10C

Sample Number: BG587	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED10	pH:	Sample Date: 04/26/2021	Sample Time: 10:40:00
% Moisture:		% Solids: 76.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S3VEM
Chloromethane	Target	7.3	UJ	ug/kg	7.3	U	1.0	YES	S3VEM
Vinyl chloride	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S3VEM
Bromomethane	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S3VEM
Chloroethane	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	7.3	UJ	ug/kg	7.3	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S3VEM
Acetone	Target	290	J+	ug/kg	290		1.0	YES	S3VEM
Carbon disulfide	Target	10		ug/kg	10		1.0	YES	S3VEM
Methyl Acetate	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S3VEM
Methylene chloride	Target	20		ug/kg	20	B	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	7.3	UJ	ug/kg	7.3	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	1.4	J	ug/kg	1.4	J	1.0	YES	S3VEM
1,1-Dichloroethane	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	7.3	UJ	ug/kg	7.3	U	1.0	YES	S3VEM
2-Butanone	Target	82	J+	ug/kg	82		1.0	YES	S3VEM
Bromochloromethane	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S3VEM
Chloroform	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S3VEM
Cyclohexane	Target	7.2	J+	ug/kg	7.2	J	1.0	YES	S3VEM
Carbon tetrachloride	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S3VEM
Benzene	Target	3.7	J	ug/kg	3.7	J	1.0	YES	S3VEM
1,2-Dichloroethane	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S3VEM
Trichloroethene	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S3VEM
Methylcyclohexane	Target	41	J+	ug/kg	41		1.0	YES	S3VEM
1,2-Dichloropropane	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S3VEM
Bromodichloromethane	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
Toluene	Target	7.3	U	ug/kg	1.5	JB	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S3VEM
Tetrachloroethene	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S3VEM
2-Hexanone	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
Dibromochloromethane	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S3VEM
Chlorobenzene	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S3VEM
Ethylbenzene	Target	7.5		ug/kg	7.5		1.0	YES	S3VEM
o-Xylene	Target	28		ug/kg	28		1.0	YES	S3VEM
m,p-Xylene	Target	17		ug/kg	17		1.0	YES	S3VEM
Styrene	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S3VEM
Bromoform	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S3VEM
Isopropylbenzene	Target	7.6		ug/kg	7.6		1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	190		ug/kg	190		1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	32		ug/kg	32		1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED10C

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S3VEM
unknown-01	TIC	5.4	J	ug/kg	5.4	J	1.0	YES	NV
Total Alkanes	TIC	2100	BN	ug/kg	2100	BN	1.0	YES	NV
unknown-02	TIC	14	J	ug/kg	14	J	1.0	YES	NV
unknown-03	TIC	21	J	ug/kg	21	J	1.0	YES	NV
Benzene, 1-ethyl-2,4-dimethyl-	TIC	28	JN	ug/kg	28	JN	1.0	YES	NV
Benzene, 1-ethyl-3,5-dimethyl-	TIC	11	JN	ug/kg	11	JN	1.0	YES	NV
Benzene, 4-ethyl-1,2-dimethyl-	TIC	11	JN	ug/kg	11	JN	1.0	YES	NV
Hexyl n-valerate	TIC	51	JN	ug/kg	51	JN	1.0	YES	NV
Naphthalene, decahydro-2-methyl-	TIC	32	JN	ug/kg	32	JN	1.0	YES	NV
Benzene, 1-ethyl-4-(1-methylethyl)	TIC	10	JN	ug/kg	10	JN	1.0	YES	NV
1H-Indene, 2,3-dihydro-4,7-dimethy	TIC	15	JN	ug/kg	15	JN	1.0	YES	NV
Octyl thioglycolate	TIC	14	JN	ug/kg	14	JN	1.0	YES	NV
2-Butene, 3-chloro-1-phenyl-, (Z)-	TIC	13	JN	ug/kg	13	JN	1.0	YES	NV
1,2,4,4-Tetramethylcyclopentene	TIC	8.2	JN	ug/kg	8.2	JN	1.0	YES	NV
Oxalic acid, cyclohexylmethyl octy	TIC	11	JN	ug/kg	11	JN	1.0	YES	NV
Pyrazol-4-amine, 1,5-dimethyl-	TIC	18	JN	ug/kg	18	JN	1.0	YES	NV
unknown-04	TIC	6.7	J	ug/kg	6.7	J	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED11A

Sample Number: BG588	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: SED11/SW11	pH:	Sample Date: 04/26/2021	Sample Time: 11:10:00
% Moisture:		% Solids: 85.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	39	U	ug/kg	39	U	1.0	YES	S3VEM
Aroclor-1221	Target	39	U	ug/kg	39	U	1.0	YES	S3VEM
Aroclor-1232	Target	39	U	ug/kg	39	U	1.0	YES	S3VEM
Aroclor-1242	Target	39	U	ug/kg	39	U	1.0	YES	S3VEM
Aroclor-1248	Target	10	J	ug/kg	10	J	1.0	YES	S3VEM
Aroclor-1254	Target	13	J	ug/kg	13	J	1.0	YES	S3VEM
Aroclor-1260	Target	39	U	ug/kg	39	U	1.0	YES	S3VEM
Aroclor-1262	Target	39	U	ug/kg	39	U	1.0	YES	S3VEM
Aroclor-1268	Target	39	U	ug/kg	39	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED11A

Sample Number: BG588	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: SED11/SW11	pH:	Sample Date: 04/26/2021	Sample Time: 11:10:00
% Moisture:		% Solids: 85.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	2.0	U	ug/kg	2.0	U	1.0	YES	S3VEM
beta-BHC	Target	2.0	U	ug/kg	2.0	U	1.0	YES	S3VEM
delta-BHC	Target	0.34	NJ	ug/kg	0.34	JP	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	2.0	U	ug/kg	2.0	U	1.0	YES	S3VEM
Heptachlor	Target	2.0	U	ug/kg	2.0	U	1.0	YES	S3VEM
Aldrin	Target	2.0	U	ug/kg	2.0	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	2.0	U	ug/kg	2.0	U	1.0	YES	S3VEM
Endosulfan I	Target	2.0	U	ug/kg	2.0	U	1.0	YES	S3VEM
Dieldrin	Target	0.50	NJ	ug/kg	0.50	JP	1.0	YES	S3VEM
4,4'-DDE	Target	0.89	J	ug/kg	0.89	JP	1.0	YES	S3VEM
Endrin	Target	0.28	J	ug/kg	0.28	J	1.0	YES	S3VEM
Endosulfan II	Target	3.8	U	ug/kg	3.8	U	1.0	YES	S3VEM
4,4'-DDD	Target	5.3	J	ug/kg	5.3	P	1.0	YES	S3VEM
Endosulfan Sulfate	Target	3.8	U	ug/kg	3.8	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.29	NJ	ug/kg	0.29	JP	1.0	YES	S3VEM
Methoxychlor	Target	20	U	ug/kg	20	U	1.0	YES	S3VEM
Endrin ketone	Target	3.8	U	ug/kg	3.8	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	3.8	U	ug/kg	3.8	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.71	J	ug/kg	0.71	JP	1.0	YES	S3VEM
trans-Chlordane	Target	1.4	NJ	ug/kg	1.4	JP	1.0	YES	S3VEM
Toxaphene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED11A

Sample Number: BG588	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SED11/SW11	pH:	Sample Date: 04/26/2021	Sample Time: 11:10:00
% Moisture:		% Solids: 85.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	78	U	ug/kg	78	U	1.0	YES	S3VEM
Benzaldehyde	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Phenol	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
2-Chlorophenol	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
2-Methylphenol	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Acetophenone	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
4-Methylphenol	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Hexachloroethane	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Nitrobenzene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Isophorone	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
2-Nitrophenol	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Naphthalene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
4-Chloroaniline	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Caprolactam	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
2-Nitroaniline	Target	200	UJ	ug/kg	200	U	1.0	YES	S3VEM
Dimethylphthalate	Target	57	J	ug/kg	57	J	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Acenaphthylene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
3-Nitroaniline	Target	390	UJ	ug/kg	390	U	1.0	YES	S3VEM
Acenaphthene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	390	UJ	ug/kg	390	U	1.0	YES	S3VEM
4-Nitrophenol	Target	390	UJ	ug/kg	390	U	1.0	YES	S3VEM
Dibenzofuran	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Diethylphthalate	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Fluorene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
4-Nitroaniline	Target	390	UJ	ug/kg	390	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Atrazine	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Pentachlorophenol	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Phenanthrene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED11A

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Anthracene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Carbazole	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Di-n-butylphthalate	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Fluoranthene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Pyrene	Target	48	J	ug/kg	48	J	1.0	YES	S3VEM
Butylbenzylphthalate	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Chrysene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	61	J	ug/kg	61	J	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Total Alkanes	TIC	80	B	ug/kg	80	B	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED11A

Sample Number: BG588	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED11/SW11	pH:	Sample Date: 04/26/2021	Sample Time: 11:10:00
% Moisture:		% Solids: 85.6	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S3VEM
Chloromethane	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S3VEM
Vinyl chloride	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S3VEM
Bromomethane	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S3VEM
Chloroethane	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S3VEM
Acetone	Target	9.9		ug/kg	9.9		1.0	YES	S3VEM
Carbon disulfide	Target	1.8	J	ug/kg	1.8	J	1.0	YES	S3VEM
Methyl Acetate	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S3VEM
Methylene chloride	Target	8.1	U	ug/kg	8.1	B	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S3VEM
2-Butanone	Target	9.1	U	ug/kg	9.1	U	1.0	YES	S3VEM
Bromochloromethane	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S3VEM
Chloroform	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S3VEM
Cyclohexane	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S3VEM
Benzene	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S3VEM
Trichloroethene	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S3VEM
Methylcyclohexane	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S3VEM
Bromodichloromethane	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	9.1	U	ug/kg	9.1	U	1.0	YES	S3VEM
Toluene	Target	4.5	U	ug/kg	0.71	JB	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S3VEM
Tetrachloroethene	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S3VEM
2-Hexanone	Target	9.1	U	ug/kg	9.1	U	1.0	YES	S3VEM
Dibromochloromethane	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S3VEM
Chlorobenzene	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S3VEM
Ethylbenzene	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S3VEM
o-Xylene	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S3VEM
m,p-Xylene	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S3VEM
Styrene	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S3VEM
Bromoform	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S3VEM
Isopropylbenzene	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED11A

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S3VEM
unknown-01	TIC	2.3	J	ug/kg	2.3	J	1.0	YES	NV
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED11B

Sample Number: BG589	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: SED11/SW11	pH:	Sample Date: 04/26/2021	Sample Time: 11:20:00
% Moisture:		% Solids: 81.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	40	U	ug/kg	40	U	1.0	YES	S3VEM
Aroclor-1221	Target	40	U	ug/kg	40	U	1.0	YES	S3VEM
Aroclor-1232	Target	40	U	ug/kg	40	U	1.0	YES	S3VEM
Aroclor-1242	Target	40	U	ug/kg	40	U	1.0	YES	S3VEM
Aroclor-1248	Target	28	J	ug/kg	28	JP	1.0	YES	S3VEM
Aroclor-1254	Target	32	J	ug/kg	32	JP	1.0	YES	S3VEM
Aroclor-1260	Target	40	U	ug/kg	40	U	1.0	YES	S3VEM
Aroclor-1262	Target	40	U	ug/kg	40	U	1.0	YES	S3VEM
Aroclor-1268	Target	40	U	ug/kg	40	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED11B

Sample Number: BG589	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: SED11/SW11	pH:	Sample Date: 04/26/2021	Sample Time: 11:20:00
% Moisture:		% Solids: 81.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	2.1	U	ug/kg	2.1	U	1.0	YES	S3VEM
beta-BHC	Target	2.1	U	ug/kg	2.1	U	1.0	YES	S3VEM
delta-BHC	Target	1.3	J	ug/kg	1.3	JP	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	2.1	U	ug/kg	2.1	U	1.0	YES	S3VEM
Heptachlor	Target	2.1	U	ug/kg	2.1	U	1.0	YES	S3VEM
Aldrin	Target	2.1	U	ug/kg	2.1	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.37	J	ug/kg	0.37	JP	1.0	YES	S3VEM
Endosulfan I	Target	2.1	U	ug/kg	2.1	U	1.0	YES	S3VEM
Dieldrin	Target	2.7	J	ug/kg	2.7	JP	1.0	YES	S3VEM
4,4'-DDE	Target	6.1	J	ug/kg	6.1	P	1.0	YES	S3VEM
Endrin	Target	0.76	J	ug/kg	0.76	JP	1.0	YES	S3VEM
Endosulfan II	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S3VEM
4,4'-DDD	Target	35		ug/kg	35		1.0	YES	S3VEM
Endosulfan Sulfate	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S3VEM
4,4'-DDT	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S3VEM
Methoxychlor	Target	21	U	ug/kg	21	U	1.0	YES	S3VEM
Endrin ketone	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S3VEM
cis-Chlordane	Target	6.1		ug/kg	6.1		1.0	YES	S3VEM
trans-Chlordane	Target	9.8		ug/kg	9.8		1.0	YES	S3VEM
Toxaphene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED11B

Sample Number: BG589	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SED11/SW11	pH:	Sample Date: 04/26/2021	Sample Time: 11:20:00
% Moisture:		% Solids: 81.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	82	U	ug/kg	82	U	1.0	YES	S3VEM
Benzaldehyde	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Phenol	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
2-Chlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
2-Methylphenol	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Acetophenone	Target	46	J	ug/kg	46	J	1.0	YES	S3VEM
4-Methylphenol	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Hexachloroethane	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Nitrobenzene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Isophorone	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
2-Nitrophenol	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Naphthalene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
4-Chloroaniline	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Caprolactam	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
2-Nitroaniline	Target	210	UJ	ug/kg	210	U	1.0	YES	S3VEM
Dimethylphthalate	Target	50	J	ug/kg	50	J	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Acenaphthylene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
3-Nitroaniline	Target	400	UJ	ug/kg	400	U	1.0	YES	S3VEM
Acenaphthene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	400	UJ	ug/kg	400	U	1.0	YES	S3VEM
4-Nitrophenol	Target	400	UJ	ug/kg	400	U	1.0	YES	S3VEM
Dibenzofuran	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Diethylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Fluorene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
4-Nitroaniline	Target	400	UJ	ug/kg	400	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	400	UJ	ug/kg	400	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Atrazine	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Pentachlorophenol	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Phenanthrene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED11B

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Anthracene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Carbazole	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Di-n-butylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Fluoranthene	Target	71	J	ug/kg	71	J	1.0	YES	S3VEM
Pyrene	Target	74	J	ug/kg	74	J	1.0	YES	S3VEM
Butylbenzylphthalate	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Chrysene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	590		ug/kg	590		1.0	YES	S3VEM
Di-n-octyl phthalate	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	210	U	ug/kg	210	U	1.0	YES	S3VEM
Total Alkanes	TIC	240	B	ug/kg	240	B	1.0	YES	NV
Z-2-Tridecen-1-ol	TIC	82	JN	ug/kg	82	JN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED11B

Sample Number: BG589	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED11/SW11	pH:	Sample Date: 04/26/2021	Sample Time: 11:20:00
% Moisture:		% Solids: 81.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
Chloromethane	Target	5.6	UJ	ug/kg	5.6	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
Bromomethane	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
Chloroethane	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.6	UJ	ug/kg	5.6	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
Acetone	Target	20		ug/kg	20		1.0	YES	S3VEM
Carbon disulfide	Target	2.3	J	ug/kg	2.3	J	1.0	YES	S3VEM
Methyl Acetate	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
Methylene chloride	Target	13		ug/kg	13	B	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.6	UJ	ug/kg	5.6	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.6	UJ	ug/kg	5.6	U	1.0	YES	S3VEM
2-Butanone	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
Chloroform	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
Cyclohexane	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
Benzene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
Trichloroethene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Toluene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
2-Hexanone	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
o-Xylene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
Styrene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
Bromoform	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED11B

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.6	U	ug/kg	5.6	U	1.0	YES	S3VEM
Tridecane, 1-iodo-	TIC	5.3	JN	ug/kg	5.3	JN	1.0	YES	NV
Benzoic acid, 2-[(trimethylsilyl)o	TIC	8.6	JN	ug/kg	8.6	JN	1.0	YES	NV
1-Bromoadamantane	TIC	5.4	JN	ug/kg	5.4	JN	1.0	YES	NV
Adamantane, 1,3-dimethyl-	TIC	5.5	JN	ug/kg	5.5	JN	1.0	YES	NV
unknown-03	TIC	6.2	J	ug/kg	6.2	J	1.0	YES	NV
unknown-01	TIC	3.8	J	ug/kg	3.8	J	1.0	YES	NV
unknown-02	TIC	3.4	J	ug/kg	3.4	J	1.0	YES	NV
Total Alkanes	TIC	8.5	BN	ug/kg	8.5	BN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED11C

Sample Number: BG590	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: SED11/SW11	pH:	Sample Date: 04/26/2021	Sample Time: 11:30:00
% Moisture:		% Solids: 71.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	46	U	ug/kg	46	U	1.0	YES	S3VEM
Aroclor-1221	Target	46	U	ug/kg	46	U	1.0	YES	S3VEM
Aroclor-1232	Target	46	U	ug/kg	46	U	1.0	YES	S3VEM
Aroclor-1242	Target	46	U	ug/kg	46	U	1.0	YES	S3VEM
Aroclor-1248	Target	27	J	ug/kg	27	JP	1.0	YES	S3VEM
Aroclor-1254	Target	46	U	ug/kg	46	U	1.0	YES	S3VEM
Aroclor-1260	Target	46	U	ug/kg	46	U	1.0	YES	S3VEM
Aroclor-1262	Target	46	U	ug/kg	46	U	1.0	YES	S3VEM
Aroclor-1268	Target	46	U	ug/kg	46	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED11C

Sample Number: BG590	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: SED11/SW11	pH:	Sample Date: 04/26/2021	Sample Time: 11:30:00
% Moisture:		% Solids: 71.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	2.4	U	ug/kg	2.4	U	1.0	YES	S3VEM
beta-BHC	Target	2.4	U	ug/kg	2.4	U	1.0	YES	S3VEM
delta-BHC	Target	1.4	J	ug/kg	1.4	JP	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	2.4	U	ug/kg	2.4	U	1.0	YES	S3VEM
Heptachlor	Target	2.4	U	ug/kg	2.4	U	1.0	YES	S3VEM
Aldrin	Target	0.45	J	ug/kg	0.45	JP	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.72	J	ug/kg	0.72	JP	1.0	YES	S3VEM
Endosulfan I	Target	2.4	U	ug/kg	2.4	U	1.0	YES	S3VEM
Dieldrin	Target	4.6	U	ug/kg	4.6	U	1.0	YES	S3VEM
4,4'-DDE	Target	8.7	J	ug/kg	8.7	P	1.0	YES	S3VEM
Endrin	Target	0.79	J	ug/kg	0.79	JP	1.0	YES	S3VEM
Endosulfan II	Target	4.6	U	ug/kg	4.6	U	1.0	YES	S3VEM
4,4'-DDD	Target	21		ug/kg	21		1.0	YES	S3VEM
Endosulfan Sulfate	Target	4.6	U	ug/kg	4.6	U	1.0	YES	S3VEM
4,4'-DDT	Target	4.6	U	ug/kg	4.6	U	1.0	YES	S3VEM
Methoxychlor	Target	24	U	ug/kg	24	U	1.0	YES	S3VEM
Endrin ketone	Target	4.6	U	ug/kg	4.6	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	4.6	U	ug/kg	4.6	U	1.0	YES	S3VEM
cis-Chlordane	Target	2.6	J	ug/kg	2.6	P	1.0	YES	S3VEM
trans-Chlordane	Target	7.3	J	ug/kg	7.3	P	1.0	YES	S3VEM
Toxaphene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED11C

Sample Number: BG590	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SED11/SW11	pH:	Sample Date: 04/26/2021	Sample Time: 11:30:00
% Moisture:		% Solids: 71.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	94	UJ	ug/kg	94	U	1.0	YES	S3VEM
Benzaldehyde	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Phenol	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
2-Chlorophenol	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
2-Methylphenol	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Acetophenone	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
4-Methylphenol	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Hexachloroethane	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Nitrobenzene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Isophorone	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
2-Nitrophenol	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Naphthalene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
4-Chloroaniline	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Caprolactam	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
2-Nitroaniline	Target	240	UJ	ug/kg	240	U	1.0	YES	S3VEM
Dimethylphthalate	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Acenaphthylene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
3-Nitroaniline	Target	460	UJ	ug/kg	460	U	1.0	YES	S3VEM
Acenaphthene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	460	UJ	ug/kg	460	U	1.0	YES	S3VEM
4-Nitrophenol	Target	460	UJ	ug/kg	460	U	1.0	YES	S3VEM
Dibenzofuran	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Diethylphthalate	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Fluorene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
4-Nitroaniline	Target	460	UJ	ug/kg	460	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	460	UJ	ug/kg	460	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Atrazine	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Pentachlorophenol	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Phenanthrene	Target	59	J	ug/kg	59	J	1.0	YES	S3VEM
Anthracene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Carbazole	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED11C

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Fluoranthene	Target	270		ug/kg	270		1.0	YES	S3VEM
Pyrene	Target	300		ug/kg	300		1.0	YES	S3VEM
Butylbenzylphthalate	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	110	J	ug/kg	110	J	1.0	YES	S3VEM
Chrysene	Target	120	J	ug/kg	120	J	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	110	J	ug/kg	110	J	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	460	U	ug/kg	460	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	110	J	ug/kg	110	J	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	87	J	ug/kg	87	J	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Total Alkanes	TIC	280	B	ug/kg	280	B	1.0	YES	NV
3-Methyl-4-(methoxycarbonyl)hexa-2	TIC	160	JN	ug/kg	160	JN	1.0	YES	NV
unknown-04	TIC	180	J	ug/kg	180	J	1.0	YES	NV
unknown-01	TIC	100	J	ug/kg	100	J	1.0	YES	NV
unknown-03	TIC	230	J	ug/kg	230	J	1.0	YES	NV
7-Isopropenyl-1,4a-dimethyl-4,4a,5	TIC	560	JN	ug/kg	560	JN	1.0	YES	NV
unknown-05	TIC	240	J	ug/kg	240	J	1.0	YES	NV
Naphthalene, 1,4,6-trimethyl-	TIC	110	JN	ug/kg	110	JN	1.0	YES	NV
unknown-02	TIC	100	J	ug/kg	100	J	1.0	YES	NV
1,3-Diphenyl-3-methylcyclopropene	TIC	95	JN	ug/kg	95	JN	1.0	YES	NV
Propanenitrile, 3-[1-methyl-5-(4-m	TIC	280	JN	ug/kg	280	JN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED11C

Sample Number: BG590	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED11/SW11	pH:	Sample Date: 04/26/2021	Sample Time: 11:30:00
% Moisture:		% Solids: 71.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
Chloromethane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
Vinyl chloride	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
Bromomethane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
Chloroethane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
Acetone	Target	29		ug/kg	29		1.0	YES	S3VEM
Carbon disulfide	Target	1.4	J	ug/kg	1.4	J	1.0	YES	S3VEM
Methyl Acetate	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
Methylene chloride	Target	7.4	U	ug/kg	7.4		1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
2-Butanone	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Bromochloromethane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
Chloroform	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
Cyclohexane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
Benzene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
Trichloroethene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
Methylcyclohexane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
Bromodichloromethane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Toluene	Target	6.1	U	ug/kg	1.1	JB	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
Tetrachloroethene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
2-Hexanone	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Dibromochloromethane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
Chlorobenzene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
Ethylbenzene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
o-Xylene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
m,p-Xylene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
Styrene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
Bromoform	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
Isopropylbenzene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
1,2,4-trichlorobenzene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED11C

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,3-Trichlorobenzene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
D-Limonene	TIC	450	JN	ug/kg	450	JN	1.0	YES	NV
Spiro[3.5]nonan-1-one	TIC	7.8	JN	ug/kg	7.8	JN	1.0	YES	NV
3a,7a-Epoxy-1H-inden-4(5H)-one, te	TIC	40	JN	ug/kg	40	JN	1.0	YES	NV
1,4-Cyclooctanedione	TIC	18	JN	ug/kg	18	JN	1.0	YES	NV
trans, cis-3-Ethylbicyclo[4.4.0]de	TIC	190	JN	ug/kg	190	JN	1.0	YES	NV
Cyclopentane, 1-methyl-1-(2-methyl-2-propenyl)-	TIC	8.5	JN	ug/kg	8.5	JN	1.0	YES	NV
Zinc, bis[2-(1,1-dimethylethyl)-3,	TIC	140	JN	ug/kg	140	JN	1.0	YES	NV
Methoxyacetic acid, 2-ethylcyclohe	TIC	61	JN	ug/kg	61	JN	1.0	YES	NV
Glycine, furan-2-yl-methyl ester	TIC	490	JN	ug/kg	490	JN	1.0	YES	NV
Sulfurous acid, cyclohexylmethyl n	TIC	92	JN	ug/kg	92	JN	1.0	YES	NV
Oxalic acid, decyl 2-ethylhexyl es	TIC	210	JN	ug/kg	210	JN	1.0	YES	NV
Total Alkanes	TIC	1100	BN	ug/kg	1100	BN	1.0	YES	NV
unknown-06	TIC	260	J	ug/kg	260	J	1.0	YES	NV
Heptanedioic acid, 4-methyl-, dime	TIC	98	JN	ug/kg	98	JN	1.0	YES	NV
1H-Indene, octahydro-, cis-	TIC	110	JN	ug/kg	110	JN	1.0	YES	NV
Naphthalene, decahydro-2-methyl-	TIC	340	JN	ug/kg	340	JN	1.0	YES	NV
1-Methyldecahydronaphthalene	TIC	240	JN	ug/kg	240	JN	1.0	YES	NV
Bicyclo[2.2.2]octane, 2-methyl-	TIC	56	JN	ug/kg	56	JN	1.0	YES	NV
1-Butanol	TIC	3.3	JN	ug/kg	3.3	JN	1.0	YES	NV
unknown-04	TIC	450	J	ug/kg	450	J	1.0	YES	NV
unknown-08	TIC	160	J	ug/kg	160	J	1.0	YES	NV
unknown-05	TIC	120	J	ug/kg	120	J	1.0	YES	NV
unknown-03	TIC	110	J	ug/kg	110	J	1.0	YES	NV
unknown-02	TIC	110	J	ug/kg	110	J	1.0	YES	NV
unknown-09	TIC	97	J	ug/kg	97	J	1.0	YES	NV
unknown-07	TIC	53	J	ug/kg	53	J	1.0	YES	NV
unknown-01	TIC	17	J	ug/kg	17	J	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED12A

Sample Number: BG591	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: SED12	pH:	Sample Date: 04/26/2021	Sample Time: 12:15:00
% Moisture:		% Solids: 73.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	45	U	ug/kg	45	U	1.0	YES	S3VEM
Aroclor-1221	Target	45	U	ug/kg	45	U	1.0	YES	S3VEM
Aroclor-1232	Target	45	U	ug/kg	45	U	1.0	YES	S3VEM
Aroclor-1242	Target	45	U	ug/kg	45	U	1.0	YES	S3VEM
Aroclor-1248	Target	77	J	ug/kg	77	P	1.0	YES	S3VEM
Aroclor-1254	Target	43	J	ug/kg	43	JP	1.0	YES	S3VEM
Aroclor-1260	Target	45	U	ug/kg	45	U	1.0	YES	S3VEM
Aroclor-1262	Target	45	U	ug/kg	45	U	1.0	YES	S3VEM
Aroclor-1268	Target	45	U	ug/kg	45	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED12A

Sample Number: BG591	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: SED12	pH:	Sample Date: 04/26/2021	Sample Time: 12:15:00
% Moisture:		% Solids: 73.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	2.3	U	ug/kg	2.3	U	1.0	YES	S3VEM
beta-BHC	Target	2.3	U	ug/kg	2.3	U	1.0	YES	S3VEM
delta-BHC	Target	1.8	J	ug/kg	1.8	J	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.47	NJ	ug/kg	0.47	JP	1.0	YES	S3VEM
Heptachlor	Target	2.3	U	ug/kg	2.3	U	1.0	YES	S3VEM
Aldrin	Target	2.3	U	ug/kg	2.3	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	2.3	U	ug/kg	2.3	U	1.0	YES	S3VEM
Endosulfan I	Target	2.3	U	ug/kg	2.3	U	1.0	YES	S3VEM
Dieldrin	Target	1.6	J	ug/kg	1.6	JP	1.0	YES	S3VEM
4,4'-DDE	Target	2.1	J	ug/kg	2.1	JP	1.0	YES	S3VEM
Endrin	Target	0.78	J	ug/kg	0.78	JP	1.0	YES	S3VEM
Endosulfan II	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S3VEM
4,4'-DDD	Target	15		ug/kg	15		1.0	YES	S3VEM
Endosulfan Sulfate	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S3VEM
4,4'-DDT	Target	1.1	J	ug/kg	1.1	JP	1.0	YES	S3VEM
Methoxychlor	Target	23	U	ug/kg	23	U	1.0	YES	S3VEM
Endrin ketone	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	4.5	U	ug/kg	4.5	U	1.0	YES	S3VEM
cis-Chlordane	Target	6.9		ug/kg	6.9		1.0	YES	S3VEM
trans-Chlordane	Target	8.3	J	ug/kg	8.3	P	1.0	YES	S3VEM
Toxaphene	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED12A

Sample Number: BG591	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SED12	pH:	Sample Date: 04/26/2021	Sample Time: 12:15:00
% Moisture:		% Solids: 73.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	90	U	ug/kg	90	U	1.0	YES	S3VEM
Benzaldehyde	Target	450	U	ug/kg	450	U	1.0	YES	S3VEM
Phenol	Target	450	U	ug/kg	450	U	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	450	U	ug/kg	450	U	1.0	YES	S3VEM
2-Chlorophenol	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
2-Methylphenol	Target	450	U	ug/kg	450	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	450	U	ug/kg	450	U	1.0	YES	S3VEM
Acetophenone	Target	450	U	ug/kg	450	U	1.0	YES	S3VEM
4-Methylphenol	Target	450	U	ug/kg	450	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Hexachloroethane	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Nitrobenzene	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Isophorone	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
2-Nitrophenol	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Naphthalene	Target	270		ug/kg	270		1.0	YES	S3VEM
4-Chloroaniline	Target	450	U	ug/kg	450	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Caprolactam	Target	450	U	ug/kg	450	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	140	J	ug/kg	140	J	1.0	YES	S3VEM
2-Methylnaphthalene	Target	150	J	ug/kg	150	J	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	450	U	ug/kg	450	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
2-Nitroaniline	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Dimethylphthalate	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Acenaphthylene	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
3-Nitroaniline	Target	450	U	ug/kg	450	U	1.0	YES	S3VEM
Acenaphthene	Target	350		ug/kg	350		1.0	YES	S3VEM
2,4-Dinitrophenol	Target	450	U	ug/kg	450	U	1.0	YES	S3VEM
4-Nitrophenol	Target	450	U	ug/kg	450	U	1.0	YES	S3VEM
Dibenzofuran	Target	110	J	ug/kg	110	J	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Diethylphthalate	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Fluorene	Target	210	J	ug/kg	210	J	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
4-Nitroaniline	Target	450	U	ug/kg	450	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	450	U	ug/kg	450	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Atrazine	Target	450	U	ug/kg	450	U	1.0	YES	S3VEM
Pentachlorophenol	Target	450	U	ug/kg	450	U	1.0	YES	S3VEM
Phenanthrene	Target	1900		ug/kg	1900		1.0	YES	S3VEM
Anthracene	Target	310		ug/kg	310		1.0	YES	S3VEM
Carbazole	Target	170	J	ug/kg	170	J	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED12A

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Fluoranthene	Target	2400	J	ug/kg	2400		1.0	YES	S3VEM
Pyrene	Target	2000		ug/kg	2000		1.0	YES	S3VEM
Butylbenzylphthalate	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	450	U	ug/kg	450	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	1100		ug/kg	1100		1.0	YES	S3VEM
Chrysene	Target	1000		ug/kg	1000		1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	100	J	ug/kg	100	J	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	450	U	ug/kg	450	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	1400		ug/kg	1400		1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	430		ug/kg	430		1.0	YES	S3VEM
Benzo(a)pyrene	Target	1100		ug/kg	1100		1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	600		ug/kg	600		1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	180	J	ug/kg	180	J	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	590		ug/kg	590		1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
11H-Benzo[b]fluorene	TIC	99	JN	ug/kg	99	JN	1.0	YES	NV
Anthracene, 2-methyl-	TIC	130	JN	ug/kg	130	JN	1.0	YES	NV
Cycloisolongifolene, 8,9-dehydro-9	TIC	90	JN	ug/kg	90	JN	1.0	YES	NV
Naphthalene, 1,6-dimethyl-	TIC	110	JN	ug/kg	110	JN	1.0	YES	NV
Cyclopenta[cd]pyrene	TIC	100	JN	ug/kg	100	JN	1.0	YES	NV
6-Phenylbenzocyclohepten-7-one	TIC	140	JN	ug/kg	140	JN	1.0	YES	NV
Dibenzothiophene	TIC	110	JN	ug/kg	110	JN	1.0	YES	NV
Benzo[e]pyrene	TIC	210	JN	ug/kg	210	JN	1.0	YES	NV
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV
Phenanthrene, 2-methyl-	TIC	210	JN	ug/kg	210	JN	1.0	YES	NV
Phenanthrene, 1-methyl-	TIC	270	JN	ug/kg	270	JN	1.0	YES	NV
9,10-Anthracenedione	TIC	210	JN	ug/kg	210	JN	1.0	YES	NV
4H-Cyclopenta[def]phenanthrene	TIC	420	JN	ug/kg	420	JN	1.0	YES	NV
Phenanthrene, 2,5-dimethyl-	TIC	120	JN	ug/kg	120	JN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED12A

Sample Number: BG591	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED12	pH:	Sample Date: 04/26/2021	Sample Time: 12:15:00
% Moisture:		% Solids: 73.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S3VEM
Chloromethane	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S3VEM
Vinyl chloride	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S3VEM
Bromomethane	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S3VEM
Chloroethane	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S3VEM
Acetone	Target	26		ug/kg	26		1.0	YES	S3VEM
Carbon disulfide	Target	8.3		ug/kg	8.3		1.0	YES	S3VEM
Methyl Acetate	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S3VEM
Methylene chloride	Target	8.1	U	ug/kg	8.1	B	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S3VEM
2-Butanone	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Bromochloromethane	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S3VEM
Chloroform	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S3VEM
Cyclohexane	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S3VEM
Benzene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S3VEM
Trichloroethene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S3VEM
Methylcyclohexane	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S3VEM
Bromodichloromethane	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Toluene	Target	6.3	U	ug/kg	1	JB	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S3VEM
Tetrachloroethene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S3VEM
2-Hexanone	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Dibromochloromethane	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S3VEM
Chlorobenzene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S3VEM
Ethylbenzene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S3VEM
o-Xylene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S3VEM
m,p-Xylene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S3VEM
Styrene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S3VEM
Bromoform	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S3VEM
Isopropylbenzene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	4.3	J	ug/kg	4.3	J	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	1.4	J	ug/kg	1.4	J	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED12A

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	6.3	U	ug/kg	6.3	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED12B

Sample Number: BG592	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: SED12	pH:	Sample Date: 04/26/2021	Sample Time: 12:25:00
% Moisture:		% Solids: 84.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	39	U	ug/kg	39	U	1.0	YES	S3VEM
Aroclor-1221	Target	39	U	ug/kg	39	U	1.0	YES	S3VEM
Aroclor-1232	Target	39	U	ug/kg	39	U	1.0	YES	S3VEM
Aroclor-1242	Target	39	U	ug/kg	39	U	1.0	YES	S3VEM
Aroclor-1248	Target	45		ug/kg	45		1.0	YES	S3VEM
Aroclor-1254	Target	42		ug/kg	42		1.0	YES	S3VEM
Aroclor-1260	Target	39	U	ug/kg	39	U	1.0	YES	S3VEM
Aroclor-1262	Target	39	U	ug/kg	39	U	1.0	YES	S3VEM
Aroclor-1268	Target	39	U	ug/kg	39	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED12B

Sample Number: BG592	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: SED12	pH:	Sample Date: 04/26/2021	Sample Time: 12:25:00
% Moisture:		% Solids: 84.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	2.0	U	ug/kg	2.0	U	1.0	YES	S3VEM
beta-BHC	Target	2.0	U	ug/kg	2.0	U	1.0	YES	S3VEM
delta-BHC	Target	2.3		ug/kg	2.3		1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.71	NJ	ug/kg	0.71	JP	1.0	YES	S3VEM
Heptachlor	Target	2.0	U	ug/kg	2.0	U	1.0	YES	S3VEM
Aldrin	Target	2.0	U	ug/kg	2.0	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	2.0	U	ug/kg	2.0	U	1.0	YES	S3VEM
Endosulfan I	Target	2.0	U	ug/kg	2.0	U	1.0	YES	S3VEM
Dieldrin	Target	1.6	NJ	ug/kg	1.6	JP	1.0	YES	S3VEM
4,4'-DDE	Target	3.7	J	ug/kg	3.7	JP	1.0	YES	S3VEM
Endrin	Target	1.5	J	ug/kg	1.5	JP	1.0	YES	S3VEM
Endosulfan II	Target	3.9	U	ug/kg	3.9	U	1.0	YES	S3VEM
4,4'-DDD	Target	38		ug/kg	38		1.0	YES	S3VEM
Endosulfan Sulfate	Target	3.9	U	ug/kg	3.9	U	1.0	YES	S3VEM
4,4'-DDT	Target	290		ug/kg	290	D	10.0	YES	S3VEM
Methoxychlor	Target	20	U	ug/kg	20	U	1.0	YES	S3VEM
Endrin ketone	Target	3.9	U	ug/kg	3.9	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	3.9	U	ug/kg	3.9	U	1.0	YES	S3VEM
cis-Chlordane	Target	8.1		ug/kg	8.1		1.0	YES	S3VEM
trans-Chlordane	Target	11	J	ug/kg	11	P	1.0	YES	S3VEM
Toxaphene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED12B

Sample Number: BG592	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SED12	pH:	Sample Date: 04/26/2021	Sample Time: 12:25:00
% Moisture:		% Solids: 84.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	79	U	ug/kg	79	U	1.0	YES	S3VEM
Benzaldehyde	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Phenol	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
2-Chlorophenol	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
2-Methylphenol	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Acetophenone	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
4-Methylphenol	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Hexachloroethane	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Nitrobenzene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Isophorone	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
2-Nitrophenol	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Naphthalene	Target	200		ug/kg	200		1.0	YES	S3VEM
4-Chloroaniline	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Caprolactam	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	42	J	ug/kg	42	J	1.0	YES	S3VEM
2-Methylnaphthalene	Target	57	J	ug/kg	57	J	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
2-Nitroaniline	Target	200	UJ	ug/kg	200	U	1.0	YES	S3VEM
Dimethylphthalate	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Acenaphthylene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
3-Nitroaniline	Target	390	UJ	ug/kg	390	U	1.0	YES	S3VEM
Acenaphthene	Target	140	J	ug/kg	140	J	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	390	UJ	ug/kg	390	U	1.0	YES	S3VEM
4-Nitrophenol	Target	390	UJ	ug/kg	390	U	1.0	YES	S3VEM
Dibenzofuran	Target	100	J-	ug/kg	100	J	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Diethylphthalate	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Fluorene	Target	140	J-	ug/kg	140	J	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	200	UJ	ug/kg	200	U	1.0	YES	S3VEM
4-Nitroaniline	Target	390	UJ	ug/kg	390	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	390	UJ	ug/kg	390	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	200	UJ	ug/kg	200	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Atrazine	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Pentachlorophenol	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Phenanthrene	Target	1300		ug/kg	1300		1.0	YES	S3VEM
Anthracene	Target	220		ug/kg	220		1.0	YES	S3VEM
Carbazole	Target	120	J-	ug/kg	120	J	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED12B

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Fluoranthene	Target	1600		ug/kg	1600		1.0	YES	S3VEM
Pyrene	Target	1200		ug/kg	1200		1.0	YES	S3VEM
Butylbenzylphthalate	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	510		ug/kg	510		1.0	YES	S3VEM
Chrysene	Target	480		ug/kg	480		1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	44	J	ug/kg	44	J	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	390	U	ug/kg	390	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	540		ug/kg	540		1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	150	J	ug/kg	150	J	1.0	YES	S3VEM
Benzo(a)pyrene	Target	390		ug/kg	390		1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	190	J	ug/kg	190	J	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	60	J	ug/kg	60	J	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	180	J	ug/kg	180	J	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
unknown-01	TIC	120	J	ug/kg	120	J	1.0	YES	NV
4H-Cyclopenta[def]phenanthrene	TIC	340	JN	ug/kg	340	JN	1.0	YES	NV
unknown-02	TIC	91	J	ug/kg	91	J	1.0	YES	NV
11H-Benzo[b]fluorene	TIC	110	JN	ug/kg	110	JN	1.0	YES	NV
7-Isopropenyl-1,4a-dimethyl-4,4a,5	TIC	500	JN	ug/kg	500	JN	1.0	YES	NV
unknown-03	TIC	79	J	ug/kg	79	J	1.0	YES	NV
5H-Dibenzo[a,d]cycloheptene	TIC	130	JN	ug/kg	130	JN	1.0	YES	NV
Naphthalene, 2-phenyl-	TIC	100	JN	ug/kg	100	JN	1.0	YES	NV
Isobornyl propionate	TIC	280	JN	ug/kg	280	JN	1.0	YES	NV
Retene	TIC	340	JN	ug/kg	340	JN	1.0	YES	NV
Anthracene, 2-methyl-	TIC	180	JN	ug/kg	180	JN	1.0	YES	NV
Phenanthrene, 2,5-dimethyl-	TIC	120	JN	ug/kg	120	JN	1.0	YES	NV
3-Methyl-4-(methoxycarbonyl)hexa-2	TIC	97	JN	ug/kg	97	JN	1.0	YES	NV
11H-Benzo[a]fluoren-11-one	TIC	150	JN	ug/kg	150	JN	1.0	YES	NV
Phenanthrene, 3-methyl-	TIC	78	JN	ug/kg	78	JN	1.0	YES	NV
Phenanthrene, 2-methyl-	TIC	280	JN	ug/kg	280	JN	1.0	YES	NV
Naphtho[2,1-b]thiophene	TIC	170	JN	ug/kg	170	JN	1.0	YES	NV
Cyclopenta[cd]pyrene	TIC	90	JN	ug/kg	90	JN	1.0	YES	NV
Total Alkanes	TIC	420	B	ug/kg	420	B	1.0	YES	NV
9,10-Anthracenedione	TIC	150	JN	ug/kg	150	JN	1.0	YES	NV
Phenanthrene, 4,5-dimethyl-	TIC	80	JN	ug/kg	80	JN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED12B

Sample Number: BG592	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED12	pH:	Sample Date: 04/26/2021	Sample Time: 12:25:00
% Moisture:		% Solids: 84.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
Chloromethane	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
Bromomethane	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
Chloroethane	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
Acetone	Target	46		ug/kg	46		1.0	YES	S3VEM
Carbon disulfide	Target	5.4	J	ug/kg	5.4	J	1.0	YES	S3VEM
Methyl Acetate	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
Methylene chloride	Target	6.5	U	ug/kg	6.5	B	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
2-Butanone	Target	11		ug/kg	11		1.0	YES	S3VEM
Bromochloromethane	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
Chloroform	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
Cyclohexane	Target	0.77	J	ug/kg	0.77	J	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
Benzene	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
Trichloroethene	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
Methylcyclohexane	Target	1.4	J	ug/kg	1.4	J	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Toluene	Target	5.7	U	ug/kg	1.3	JB	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
2-Hexanone	Target	11	U	ug/kg	11	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.75	J	ug/kg	0.75	J	1.0	YES	S3VEM
o-Xylene	Target	1.3	J	ug/kg	1.3	J	1.0	YES	S3VEM
m,p-Xylene	Target	0.93	J	ug/kg	0.93	J	1.0	YES	S3VEM
Styrene	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
Bromoform	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
Isopropylbenzene	Target	2.2	J	ug/kg	2.2	J	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	2.9	J	ug/kg	2.9	J	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	1	J	ug/kg	1	J	1.0	YES	S3VEM
1,2,4-trichlorobenzene	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED12B

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,3-Trichlorobenzene	Target	5.7	U	ug/kg	5.7	U	1.0	YES	S3VEM
unknown-03	TIC	4.3	J	ug/kg	4.3	J	1.0	YES	NV
unknown-02	TIC	5.5	J	ug/kg	5.5	J	1.0	YES	NV
unknown-01	TIC	6.5	J	ug/kg	6.5	J	1.0	YES	NV
1-(1-Propynyl)cyclohexanol	TIC	9.5	JN	ug/kg	9.5	JN	1.0	YES	NV
Cyclohexane, 1-methyl-4-(1-methylethyl)-, trans-	TIC	6.7	JN	ug/kg	6.7	JN	1.0	YES	NV
Total Alkanes	TIC	600	BN	ug/kg	600	BN	1.0	YES	NV
Naphthalene, decahydro-2-methyl-	TIC	15	JN	ug/kg	15	JN	1.0	YES	NV
D-Limonene	TIC	57	JN	ug/kg	57	JN	1.0	YES	NV
Sulfurous acid, cyclohexylmethyl u	TIC	3.9	JN	ug/kg	3.9	JN	1.0	YES	NV
Sulfurous acid, cyclohexylmethyl d	TIC	4	JN	ug/kg	4	JN	1.0	YES	NV
Oxalic acid, cyclohexylmethyl nony	TIC	4.9	JN	ug/kg	4.9	JN	1.0	YES	NV
1-Methyldecahydronaphthalene	TIC	7.8	JN	ug/kg	7.8	JN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED13A

Sample Number: BG594	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: SED13/SW13	pH:	Sample Date: 04/26/2021	Sample Time: 13:00:00
% Moisture:		% Solids: 45.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	73	U	ug/kg	73	U	1.0	YES	S3VEM
Aroclor-1221	Target	73	U	ug/kg	73	U	1.0	YES	S3VEM
Aroclor-1232	Target	73	U	ug/kg	73	U	1.0	YES	S3VEM
Aroclor-1242	Target	73	U	ug/kg	73	U	1.0	YES	S3VEM
Aroclor-1248	Target	27	J	ug/kg	27	J	1.0	YES	S3VEM
Aroclor-1254	Target	28	J	ug/kg	28	J	1.0	YES	S3VEM
Aroclor-1260	Target	73	U	ug/kg	73	U	1.0	YES	S3VEM
Aroclor-1262	Target	73	U	ug/kg	73	U	1.0	YES	S3VEM
Aroclor-1268	Target	73	U	ug/kg	73	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED13A

Sample Number: BG594	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: SED13/SW13	pH:	Sample Date: 04/26/2021	Sample Time: 13:00:00
% Moisture:		% Solids: 45.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	3.8	U	ug/kg	3.8	U	1.0	YES	S3VEM
beta-BHC	Target	3.8	U	ug/kg	3.8	U	1.0	YES	S3VEM
delta-BHC	Target	1.8	J	ug/kg	1.8	JP	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.56	NJ	ug/kg	0.56	JP	1.0	YES	S3VEM
Heptachlor	Target	3.8	U	ug/kg	3.8	U	1.0	YES	S3VEM
Aldrin	Target	0.91	J	ug/kg	0.91	JP	1.0	YES	S3VEM
Heptachlor epoxide	Target	1.7	J	ug/kg	1.7	J	1.0	YES	S3VEM
Endosulfan I	Target	3.8	U	ug/kg	3.8	U	1.0	YES	S3VEM
Dieldrin	Target	1.7	J	ug/kg	1.7	JP	1.0	YES	S3VEM
4,4'-DDE	Target	14	J	ug/kg	14	P	1.0	YES	S3VEM
Endrin	Target	0.88	J	ug/kg	0.88	J	1.0	YES	S3VEM
Endosulfan II	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S3VEM
4,4'-DDD	Target	4.8	J	ug/kg	4.8	JP	1.0	YES	S3VEM
Endosulfan Sulfate	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S3VEM
4,4'-DDT	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S3VEM
Methoxychlor	Target	38	U	ug/kg	38	U	1.0	YES	S3VEM
Endrin ketone	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S3VEM
cis-Chlordane	Target	2.4	J	ug/kg	2.4	JP	1.0	YES	S3VEM
trans-Chlordane	Target	7.9	J	ug/kg	7.9	P	1.0	YES	S3VEM
Toxaphene	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED13A

Sample Number: BG594	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SED13/SW13	pH:	Sample Date: 04/26/2021	Sample Time: 13:00:00
% Moisture:		% Solids: 45.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	150	U	ug/kg	150	U	1.0	YES	S3VEM
Benzaldehyde	Target	730	U	ug/kg	730	U	1.0	YES	S3VEM
Phenol	Target	730	U	ug/kg	730	U	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	730	U	ug/kg	730	U	1.0	YES	S3VEM
2-Chlorophenol	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
2-Methylphenol	Target	730	U	ug/kg	730	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	730	U	ug/kg	730	U	1.0	YES	S3VEM
Acetophenone	Target	730	U	ug/kg	730	U	1.0	YES	S3VEM
4-Methylphenol	Target	730	U	ug/kg	730	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Hexachloroethane	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Nitrobenzene	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Isophorone	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
2-Nitrophenol	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Naphthalene	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
4-Chloroaniline	Target	730	U	ug/kg	730	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Caprolactam	Target	730	U	ug/kg	730	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	110	J	ug/kg	110	J	1.0	YES	S3VEM
2-Methylnaphthalene	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	730	U	ug/kg	730	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
2-Nitroaniline	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Dimethylphthalate	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Acenaphthylene	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
3-Nitroaniline	Target	730	U	ug/kg	730	U	1.0	YES	S3VEM
Acenaphthene	Target	97	J	ug/kg	97	J	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	730	U	ug/kg	730	U	1.0	YES	S3VEM
4-Nitrophenol	Target	730	U	ug/kg	730	U	1.0	YES	S3VEM
Dibenzofuran	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Diethylphthalate	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Fluorene	Target	94	J	ug/kg	94	J	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
4-Nitroaniline	Target	730	U	ug/kg	730	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	730	U	ug/kg	730	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Atrazine	Target	730	U	ug/kg	730	U	1.0	YES	S3VEM
Pentachlorophenol	Target	730	U	ug/kg	730	U	1.0	YES	S3VEM
Phenanthrene	Target	690		ug/kg	690		1.0	YES	S3VEM
Anthracene	Target	170	J	ug/kg	170	J	1.0	YES	S3VEM
Carbazole	Target	730	U	ug/kg	730	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED13A

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Fluoranthene	Target	710	J	ug/kg	710		1.0	YES	S3VEM
Pyrene	Target	990		ug/kg	990		1.0	YES	S3VEM
Butylbenzylphthalate	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	730	U	ug/kg	730	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	400		ug/kg	400		1.0	YES	S3VEM
Chrysene	Target	460		ug/kg	460		1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	76	J	ug/kg	76	J	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	730	U	ug/kg	730	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	330	J	ug/kg	330	J	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	100	J	ug/kg	100	J	1.0	YES	S3VEM
Benzo(a)pyrene	Target	340	J	ug/kg	340	J	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	140	J	ug/kg	140	J	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	170	J	ug/kg	170	J	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	380	U	ug/kg	380	U	1.0	YES	S3VEM
Sulfurous acid, butyl octadecyl es	TIC	270	JN	ug/kg	270	JN	1.0	YES	NV
Naphthalene, 1,4,6-trimethyl-	TIC	370	JN	ug/kg	370	JN	1.0	YES	NV
9,10-Dimethylanthracene	TIC	650	JN	ug/kg	650	JN	1.0	YES	NV
Naphthalene, 2,3,6-trimethyl-	TIC	520	JN	ug/kg	520	JN	1.0	YES	NV
trans-4a-Methyl-decahydronaphthale	TIC	190	JN	ug/kg	190	JN	1.0	YES	NV
Cyclohexane, 1-(cyclohexylmethyl)-	TIC	170	JN	ug/kg	170	JN	1.0	YES	NV
cis-Decalin, 2-syn-methyl-	TIC	230	JN	ug/kg	230	JN	1.0	YES	NV
Naphthalene, 1,6,7-trimethyl-	TIC	420	JN	ug/kg	420	JN	1.0	YES	NV
Naphthalene, 1,4,5-trimethyl-	TIC	630	JN	ug/kg	630	JN	1.0	YES	NV
unknown-02	TIC	150	J	ug/kg	150	J	1.0	YES	NV
Phenanthrene, 1,7-dimethyl-	TIC	380	JN	ug/kg	380	JN	1.0	YES	NV
Naphthalene, 1,6-dimethyl-	TIC	280	JN	ug/kg	280	JN	1.0	YES	NV
Naphthalene, 2,3-dimethyl-	TIC	420	JN	ug/kg	420	JN	1.0	YES	NV
Phenanthrene, 2-methyl-	TIC	480	JN	ug/kg	480	JN	1.0	YES	NV
Naphthalene, 1-(1,1-dimethylethyl)	TIC	160	JN	ug/kg	160	JN	1.0	YES	NV
unknown-03	TIC	310	J	ug/kg	310	J	1.0	YES	NV
unknown-04	TIC	570	J	ug/kg	570	J	1.0	YES	NV
Anthracene, 1-methyl-	TIC	500	JN	ug/kg	500	JN	1.0	YES	NV
Naphthalene, 2-(1-methylethyl)-	TIC	220	JN	ug/kg	220	JN	1.0	YES	NV
unknown-01	TIC	230	J	ug/kg	230	J	1.0	YES	NV
3H-3,10a-Methano-1,2-benzodioxocin	TIC	190	JN	ug/kg	190	JN	1.0	YES	NV
Succinic acid, di(2-methylcyclohex	TIC	200	JN	ug/kg	200	JN	1.0	YES	NV
Total Alkanes	TIC	13000	B	ug/kg	13000	B	1.0	YES	NV
Phenanthrene, 2,3,5-trimethyl-	TIC	290	JN	ug/kg	290	JN	1.0	YES	NV
Anthracene, 2-methyl-	TIC	720	JN	ug/kg	720	JN	1.0	YES	NV
1H-Cyclopenta[l]phenanthrene, 2,3-	TIC	880	JN	ug/kg	880	JN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED13A

Sample Number: BG594	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED13/SW13	pH:	Sample Date: 04/26/2021	Sample Time: 13:00:00
% Moisture:		% Solids: 45.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Chloromethane	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Vinyl chloride	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Bromomethane	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Chloroethane	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Acetone	Target	570		ug/kg	570		1.0	YES	S3VEM
Carbon disulfide	Target	14		ug/kg	14		1.0	YES	S3VEM
Methyl Acetate	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Methylene chloride	Target	22		ug/kg	22	B	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
2-Butanone	Target	180		ug/kg	180		1.0	YES	S3VEM
Bromochloromethane	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Chloroform	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Cyclohexane	Target	2.6	J+	ug/kg	2.6	J	1.0	YES	S3VEM
Carbon tetrachloride	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Benzene	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Trichloroethene	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Methylcyclohexane	Target	25	J+	ug/kg	25		1.0	YES	S3VEM
1,2-Dichloropropane	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Bromodichloromethane	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	27	U	ug/kg	27	U	1.0	YES	S3VEM
Toluene	Target	14	U	ug/kg	4.1	JB	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Tetrachloroethene	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
2-Hexanone	Target	27	U	ug/kg	27	U	1.0	YES	S3VEM
Dibromochloromethane	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Chlorobenzene	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Ethylbenzene	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
o-Xylene	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
m,p-Xylene	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Styrene	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Bromoform	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
Isopropylbenzene	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED13A

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	14	U	ug/kg	14	U	1.0	YES	S3VEM
unknown-06	TIC	9	J	ug/kg	9	J	1.0	YES	NV
unknown-02	TIC	12	J	ug/kg	12	J	1.0	YES	NV
unknown-01	TIC	13	J	ug/kg	13	J	1.0	YES	NV
unknown-03	TIC	23	J	ug/kg	23	J	1.0	YES	NV
unknown-05	TIC	35	J	ug/kg	35	J	1.0	YES	NV
Total Alkanes	TIC	4000	BN	ug/kg	4000	BN	1.0	YES	NV
cis,trans-2-Ethylbicyclo[4.4.0]dec	TIC	15	JN	ug/kg	15	JN	1.0	YES	NV
1-Hexadecanol	TIC	13	JN	ug/kg	13	JN	1.0	YES	NV
Isooctyl mercaptoacetate	TIC	58	JN	ug/kg	58	JN	1.0	YES	NV
Naphthalene, decahydro-2-methyl-	TIC	83	JN	ug/kg	83	JN	1.0	YES	NV
1-Methyldecahydronaphthalene	TIC	33	JN	ug/kg	33	JN	1.0	YES	NV
unknown-04	TIC	7.8	J	ug/kg	7.8	J	1.0	YES	NV
1-Iodo-2-methylundecane	TIC	34	JN	ug/kg	34	JN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Sample Number: PBLK040	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
beta-BHC	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
delta-BHC	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
Heptachlor	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
Aldrin	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
Endosulfan I	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
Dieldrin	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
4,4'-DDE	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
Endrin	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
Endosulfan II	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
4,4'-DDD	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
4,4'-DDT	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
Methoxychlor	Target	17	U	ug/kg	17	U	1.0	YES	S3VEM
Endrin ketone	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
cis-Chlordane	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
trans-Chlordane	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
Toxaphene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Sample Number: PLCS040	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Spike	1.5	J	ug/kg	1.5	J	1.0	YES	S3VEM
beta-BHC	Spike	1.6	J	ug/kg	1.6	J	1.0	YES	S3VEM
delta-BHC	Spike	1.4	J	ug/kg	1.4	J	1.0	YES	S3VEM
gamma-BHC (Lindane)	Spike	1.5	J	ug/kg	1.5	J	1.0	YES	S3VEM
Heptachlor	Spike	1.5	J	ug/kg	1.5	J	1.0	YES	S3VEM
Aldrin	Spike	1.5	J	ug/kg	1.5	J	1.0	YES	S3VEM
Heptachlor epoxide	Spike	1.5	J	ug/kg	1.5	J	1.0	YES	S3VEM
Endosulfan I	Spike	1.5	J	ug/kg	1.5	J	1.0	YES	S3VEM
Dieldrin	Spike	3.0	J	ug/kg	3.0	J	1.0	YES	S3VEM
4,4'-DDE	Spike	2.9	J	ug/kg	2.9	J	1.0	YES	S3VEM
Endrin	Spike	3.1	J	ug/kg	3.1	J	1.0	YES	S3VEM
Endosulfan II	Spike	3.2	J	ug/kg	3.2	J	1.0	YES	S3VEM
4,4'-DDD	Spike	3.0	J	ug/kg	3.0	J	1.0	YES	S3VEM
Endosulfan Sulfate	Spike	2.9	J	ug/kg	2.9	J	1.0	YES	S3VEM
4,4'-DDT	Spike	2.5	J	ug/kg	2.5	J	1.0	YES	S3VEM
Methoxychlor	Spike	15	J	ug/kg	15	J	1.0	YES	S3VEM
Endrin ketone	Spike	3.2	J	ug/kg	3.2	J	1.0	YES	S3VEM
Endrin Aldehyde	Spike	3.3		ug/kg	3.3		1.0	YES	S3VEM
cis-Chlordane	Spike	1.5	J	ug/kg	1.5	J	1.0	YES	S3VEM
trans-Chlordane	Spike	1.5	J	ug/kg	1.5	J	1.0	YES	S3VEM
Toxaphene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Sample Number: SBLK039	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	67	U	ug/kg	67	U	1.0	YES	S3VEM
Benzaldehyde	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Phenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
2-Chlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2-Methylphenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Acetophenone	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
4-Methylphenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Hexachloroethane	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Nitrobenzene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Isophorone	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2-Nitrophenol	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Naphthalene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
4-Chloroaniline	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Caprolactam	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2-Nitroaniline	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Dimethylphthalate	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Acenaphthylene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
3-Nitroaniline	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Acenaphthene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
4-Nitrophenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Dibenzofuran	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Diethylphthalate	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Fluorene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
4-Nitroaniline	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Atrazine	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Pentachlorophenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Phenanthrene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Anthracene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Carbazole	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Di-n-butylphthalate	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Fluoranthene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Pyrene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Butylbenzylphthalate	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Chrysene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Total Alkanes	TIC	76	B	ug/kg	76	B	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Sample Number: SLCS039	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Spike	430		ug/kg	430		1.0	YES	S3VEM
Benzaldehyde	Spike	940		ug/kg	940		1.0	YES	S3VEM
Phenol	Spike	1000		ug/kg	1000		1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Spike	1000		ug/kg	1000		1.0	YES	S3VEM
2-Chlorophenol	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
2-Methylphenol	Spike	1000		ug/kg	1000		1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
Acetophenone	Spike	1000		ug/kg	1000		1.0	YES	S3VEM
4-Methylphenol	Spike	1000		ug/kg	1000		1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
Hexachloroethane	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
Nitrobenzene	Spike	1200	J	ug/kg	1200		1.0	YES	S3VEM
Isophorone	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
2-Nitrophenol	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
2,4-Dimethylphenol	Spike	1000		ug/kg	1000		1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
2,4-Dichlorophenol	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
Naphthalene	Spike	1000		ug/kg	1000		1.0	YES	S3VEM
4-Chloroaniline	Spike	880		ug/kg	880		1.0	YES	S3VEM
Hexachlorobutadiene	Spike	1000		ug/kg	1000		1.0	YES	S3VEM
Caprolactam	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
4-Chloro-3-methylphenol	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
1-Methylnaphthalene	Spike	1000		ug/kg	1000		1.0	YES	S3VEM
2-Methylnaphthalene	Spike	1000		ug/kg	1000		1.0	YES	S3VEM
Hexachlorocyclopentadiene	Spike	960		ug/kg	960		1.0	YES	S3VEM
2,4,6-Trichlorophenol	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
2,4,5-Trichlorophenol	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
1,1-Biphenyl	Spike	1000		ug/kg	1000		1.0	YES	S3VEM
2-Chloronaphthalene	Spike	1000		ug/kg	1000		1.0	YES	S3VEM
2-Nitroaniline	Spike	1300	J	ug/kg	1300		1.0	YES	S3VEM
Dimethylphthalate	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
2,6-Dinitrotoluene	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
Acenaphthylene	Spike	1000		ug/kg	1000		1.0	YES	S3VEM
3-Nitroaniline	Spike	1000		ug/kg	1000		1.0	YES	S3VEM
Acenaphthene	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
2,4-Dinitrophenol	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
4-Nitrophenol	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
Dibenzofuran	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
2,4-Dinitrotoluene	Spike	1300		ug/kg	1300		1.0	YES	S3VEM
Diethylphthalate	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
Fluorene	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
4-Nitroaniline	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
N-Nitrosodiphenylamine	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Spike	1000		ug/kg	1000		1.0	YES	S3VEM
4-Bromophenyl-phenylether	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
Hexachlorobenzene	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
Atrazine	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
Pentachlorophenol	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
Phenanthrene	Spike	1100		ug/kg	1100		1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Anthracene	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
Carbazole	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
Di-n-butylphthalate	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
Fluoranthene	Spike	1300		ug/kg	1300		1.0	YES	S3VEM
Pyrene	Spike	1300		ug/kg	1300		1.0	YES	S3VEM
Butylbenzylphthalate	Spike	1500		ug/kg	1500		1.0	YES	S3VEM
3,3-Dichlorobenzidine	Spike	1000		ug/kg	1000		1.0	YES	S3VEM
Benzo(a)anthracene	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
Chrysene	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Spike	1400		ug/kg	1400		1.0	YES	S3VEM
Di-n-octyl phthalate	Spike	1400		ug/kg	1400		1.0	YES	S3VEM
Benzo(b)fluoranthene	Spike	1300		ug/kg	1300		1.0	YES	S3VEM
Benzo(k)fluoranthene	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
Benzo(a)pyrene	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
Benzo(g,h,i)perylene	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Sample Number: VBLK108	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	UJ	ug/kg	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	UJ	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Toluene	Target	0.68	J	ug/kg	0.68	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Dimethyl ether	TIC	6.2	JN	ug/kg	6.2	JN	1.0	YES	NV
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Sample Number: VBLK109	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	UJ	ug/kg	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Toluene	Target	0.62	J	ug/kg	0.62	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Dimethyl ether	TIC	2.6	JN	ug/kg	2.6	JN	1.0	YES	NV
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Sample Number: VBLK110	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	UJ	ug/kg	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	3.1	J	ug/kg	3.1	J	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Toluene	Target	0.82	J	ug/kg	0.82	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Sample Number: VBLK111	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.2		ug/kg	5.2		1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Toluene	Target	0.8	J	ug/kg	0.8	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Sample Number: VBLK112	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Toluene	Target	0.66	J	ug/kg	0.66	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Sample Number: VBLK116	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.1		ug/kg	5.1		1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Toluene	Target	0.64	J	ug/kg	0.64	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Sample Number: VBLK175	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Chloromethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Vinyl chloride	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Bromomethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Chloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Acetone	Target	500	U	ug/kg	500	U	1.0	YES	S3VEM
Carbon disulfide	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Methyl Acetate	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Methylene chloride	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
2-Butanone	Target	500	U	ug/kg	500	U	1.0	YES	S3VEM
Bromochloromethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Chloroform	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Cyclohexane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Benzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Trichloroethene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Methylcyclohexane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Bromodichloromethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	500	U	ug/kg	500	U	1.0	YES	S3VEM
Toluene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Tetrachloroethene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
2-Hexanone	Target	500	U	ug/kg	500	U	1.0	YES	S3VEM
Dibromochloromethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Chlorobenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Ethylbenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
o-Xylene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
m,p-Xylene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Styrene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Bromoform	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Isopropylbenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Sample Number: VBLK177	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Chloromethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Vinyl chloride	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Bromomethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Chloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Acetone	Target	500	U	ug/kg	500	U	1.0	YES	S3VEM
Carbon disulfide	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Methyl Acetate	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Methylene chloride	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
2-Butanone	Target	500	U	ug/kg	500	U	1.0	YES	S3VEM
Bromochloromethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Chloroform	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Cyclohexane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Benzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Trichloroethene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Methylcyclohexane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Bromodichloromethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	500	U	ug/kg	500	U	1.0	YES	S3VEM
Toluene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Tetrachloroethene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
2-Hexanone	Target	500	U	ug/kg	500	U	1.0	YES	S3VEM
Dibromochloromethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Chlorobenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Ethylbenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
o-Xylene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
m,p-Xylene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Styrene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Bromoform	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Isopropylbenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Sample Number: VBLK179	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Chloromethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Vinyl chloride	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Bromomethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Chloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Acetone	Target	500	U	ug/kg	500	U	1.0	YES	S3VEM
Carbon disulfide	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Methyl Acetate	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Methylene chloride	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
2-Butanone	Target	500	U	ug/kg	500	U	1.0	YES	S3VEM
Bromochloromethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Chloroform	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Cyclohexane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Benzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Trichloroethene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Methylcyclohexane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Bromodichloromethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	500	U	ug/kg	500	U	1.0	YES	S3VEM
Toluene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Tetrachloroethene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
2-Hexanone	Target	500	U	ug/kg	500	U	1.0	YES	S3VEM
Dibromochloromethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Chlorobenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Ethylbenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
o-Xylene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
m,p-Xylene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Styrene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Bromoform	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Isopropylbenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Propanoic acid, 2,2,3-trichloro-,	TIC	140	JN	ug/kg	140	JN	1.0	YES	NV
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Sample Number: VBLK181	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Chloromethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Vinyl chloride	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Bromomethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Chloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Acetone	Target	500	U	ug/kg	500	U	1.0	YES	S3VEM
Carbon disulfide	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Methyl Acetate	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Methylene chloride	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
2-Butanone	Target	500	U	ug/kg	500	U	1.0	YES	S3VEM
Bromochloromethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Chloroform	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Cyclohexane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Benzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Trichloroethene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Methylcyclohexane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Bromodichloromethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	500	U	ug/kg	500	U	1.0	YES	S3VEM
Toluene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Tetrachloroethene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
2-Hexanone	Target	500	U	ug/kg	500	U	1.0	YES	S3VEM
Dibromochloromethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Chlorobenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Ethylbenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
o-Xylene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
m,p-Xylene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Styrene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Bromoform	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Isopropylbenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
unknown-01	TIC	130	J	ug/kg	130	J	1.0	YES	NV
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Sample Number: VHBLK001	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
Chloromethane	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
Vinyl chloride	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
Bromomethane	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
Chloroethane	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
Acetone	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
Carbon disulfide	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
Methyl Acetate	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
Methylene chloride	Target	5.4		ug/kg	5.4	B	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
2-Butanone	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
Bromochloromethane	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
Chloroform	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
Cyclohexane	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
Benzene	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
Trichloroethene	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
Methylcyclohexane	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
Bromodichloromethane	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
Toluene	Target	0.63	J	ug/kg	0.63	JB	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
Tetrachloroethene	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
2-Hexanone	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
Dibromochloromethane	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
Chlorobenzene	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
Ethylbenzene	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
o-Xylene	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
m,p-Xylene	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
Styrene	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
Bromoform	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
Isopropylbenzene	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG514** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project | **GroupID: 49391/68HERH20D0011/BG514** | **Lab Name: Chemtech Consulting Group**

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG514	Sediment	04/23/2021	1.0	75-71-8	Dichlorodifluoromethane	9.3	U	U	9.3	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	74-87-3	Chloromethane	9.3	U	UJ	9.3	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	75-01-4	Vinyl chloride	9.3	U	U	9.3	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	74-83-9	Bromomethane	9.3	U	U	9.3	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	75-00-3	Chloroethane	9.3	U	U	9.3	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	75-69-4	Trichlorofluoromethane	9.3	U	UJ	9.3	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	75-35-4	1,1-Dichloroethene	9.3	U	UJ	9.3	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	9.3	U	U	9.3	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	67-64-1	Acetone	46			19	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	75-15-0	Carbon disulfide	4.0	J	J	9.3	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	79-20-9	Methyl Acetate	9.3	U	U	9.3	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	75-09-2	Methylene chloride	30			9.3	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	156-60-5	trans-1,2-Dichloroethene	9.3	U	UJ	9.3	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	1634-04-4	Methyl tert-butyl Ether	9.3	U	U	9.3	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	75-34-3	1,1-Dichloroethane	9.3	U	U	9.3	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	156-59-2	cis-1,2-Dichloroethene	9.3	U	UJ	9.3	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	78-93-3	2-Butanone	19	U	U	19	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	74-97-5	Bromochloromethane	9.3	U	U	9.3	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	67-66-3	Chloroform	9.3	U	U	9.3	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	71-55-6	1,1,1-Trichloroethane	9.3	U	U	9.3	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	110-82-7	Cyclohexane	1.6	J	J	9.3	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	56-23-5	Carbon tetrachloride	9.3	U	U	9.3	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	71-43-2	Benzene	3.8	J	J	9.3	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	107-06-2	1,2-Dichloroethane	9.3	U	U	9.3	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	79-01-6	Trichloroethene	9.3	U	U	9.3	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	108-87-2	Methylcyclohexane	3.1	J	J	9.3	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	78-87-5	1,2-Dichloropropane	9.3	U	U	9.3	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	75-27-4	Bromodichloromethane	9.3	U	U	9.3	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	9.3	U	U	9.3	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	108-10-1	4-Methyl-2-pentanone	19	U	U	19	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	108-88-3	Toluene	9.3	JB	U	9.3	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	9.3	U	U	9.3	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	79-00-5	1,1,2-Trichloroethane	9.3	U	U	9.3	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	127-18-4	Tetrachloroethene	1.3	J	J	9.3	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	591-78-6	2-Hexanone	19	U	U	19	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	124-48-1	Dibromochloromethane	9.3	U	U	9.3	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	106-93-4	1,2-Dibromoethane	9.3	U	U	9.3	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	108-90-7	Chlorobenzene	1.3	J	J	9.3	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	100-41-4	Ethylbenzene	5.7	J	J	9.3	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	95-47-6	o-Xylene	7.6	J	J	9.3	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	179601-23-1	m,p-Xylene	6.6	J	J	9.3	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	100-42-5	Styrene	9.3	U	U	9.3	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	75-25-2	Bromoform	9.3	U	UJ	9.3	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	98-82-8	Isopropylbenzene	4.9	J	J+	9.3	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	96-18-4	1,2,3-Trichloropropane	9.3	U	UJ	9.3	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	9.3	U	U	9.3	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	541-73-1	1,3-Dichlorobenzene	9.3	U	UJ	9.3	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	106-46-7	1,4-Dichlorobenzene	9.3	U	UJ	9.3	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	95-50-1	1,2-Dichlorobenzene	9.3	U	UJ	9.3	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	9.3	U	UJ	9.3	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	29		J+	9.3	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	15		J+	9.3	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	120-82-1	1,2,4-trichlorobenzene	9.3	U	UJ	9.3	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	9.3	U	UJ	9.3	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	unknown-01	unknown-01	7.2	J	J		ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	unknown-09	unknown-09	42	J	J		ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	unknown-03	unknown-03	65	J	J		ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	unknown-08	unknown-08	78	J	J		ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	unknown-02	unknown-02	110	J	J		ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	unknown-04	unknown-04	120	J	J		ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	unknown-07	unknown-07	170	J	J		ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	unknown-06	unknown-06	220	J	J		ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	unknown-05	unknown-05	280	J	J		ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	000095-93-2	Benzene, 1,2,4,5-tetramethyl-	350	JN	JN		ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	000099-87-6	p-Cymene	570	JN	JN		ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	000105-05-5	Benzene, 1,4-diethyl-	120	JN	JN		ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	000115-10-6	Dimethyl ether	4.9	JBN	JBN		ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	000141-93-5	Benzene, 1,3-diethyl-	130	JN	JN		ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	000527-84-4	o-Cymene	80	JN	JN		ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	000535-77-3	Benzene, 1-methyl-3-(1-methylethyl	200	JN	JN		ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	000700-12-9	Benzene, pentamethyl-	410	JN	JN		ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	000933-98-2	Benzene, 1-ethyl-2,3-dimethyl-	66	JN	JN		ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	000934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	520	JN	JN		ug/kg	6100-SED26B

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG514	Sediment	04/23/2021	1.0	001595-16-0	Benzene, 1-methyl-4-(1-methylpropy	40	JN	JN		ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	001758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	56	JN	JN		ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	002039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	90	JN	JN		ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	002050-24-0	Benzene, 1,3-diethyl-5-methyl-	260	JN	JN		ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	002890-62-2	Ethanone, 1-(1-methylcyclohexyl)-	50	JN	JN		ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	002958-76-1	Naphthalene, decahydro-2-methyl-	240	JN	JN		ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	003261-62-9	2-(p-Tolyl)ethylamine	110	JN	JN		ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	003386-33-2	Octadecane, 1-chloro-	150	JN	JN		ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	007446-09-5	Sulfur dioxide	9.8	JN	JN		ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	068970-82-1	2-Propenal, 3-(2-pyridinylamino)-	200	JN	JN		ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	1000331-28-3	2-Methylbenzoic acid, 2,3-dichloro	360	JN	JN		ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	E966796	Total Alkanes	1600	BN	BN		ug/kg	6100-SED26B
BG514ME	Sediment		1.0	75-71-8	Dichlorodifluoromethane	500	U	U	500	ug/kg	6100-SED26B
BG514ME	Sediment		1.0	74-87-3	Chloromethane	500	U	U	500	ug/kg	6100-SED26B
BG514ME	Sediment		1.0	75-01-4	Vinyl chloride	500	U	U	500	ug/kg	6100-SED26B
BG514ME	Sediment		1.0	74-83-9	Bromomethane	500	U	U	500	ug/kg	6100-SED26B
BG514ME	Sediment		1.0	75-00-3	Chloroethane	500	U	U	500	ug/kg	6100-SED26B
BG514ME	Sediment		1.0	75-69-4	Trichlorofluoromethane	500	U	U	500	ug/kg	6100-SED26B
BG514ME	Sediment		1.0	75-35-4	1,1-Dichloroethene	500	U	U	500	ug/kg	6100-SED26B
BG514ME	Sediment		1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	500	U	U	500	ug/kg	6100-SED26B
BG514ME	Sediment		1.0	67-64-1	Acetone	1000	U	U	1000	ug/kg	6100-SED26B
BG514ME	Sediment		1.0	75-15-0	Carbon disulfide	500	U	U	500	ug/kg	6100-SED26B
BG514ME	Sediment		1.0	79-20-9	Methyl Acetate	500	U	U	500	ug/kg	6100-SED26B
BG514ME	Sediment		1.0	75-09-2	Methylene chloride	500	U	U	500	ug/kg	6100-SED26B
BG514ME	Sediment		1.0	156-60-5	trans-1,2-Dichloroethene	500	U	U	500	ug/kg	6100-SED26B
BG514ME	Sediment		1.0	1634-04-4	Methyl tert-butyl Ether	500	U	U	500	ug/kg	6100-SED26B
BG514ME	Sediment		1.0	75-34-3	1,1-Dichloroethane	500	U	U	500	ug/kg	6100-SED26B
BG514ME	Sediment		1.0	156-59-2	cis-1,2-Dichloroethene	500	U	U	500	ug/kg	6100-SED26B
BG514ME	Sediment		1.0	78-93-3	2-Butanone	1000	U	U	1000	ug/kg	6100-SED26B
BG514ME	Sediment		1.0	74-97-5	Bromochloromethane	500	U	U	500	ug/kg	6100-SED26B
BG514ME	Sediment		1.0	67-66-3	Chloroform	500	U	U	500	ug/kg	6100-SED26B
BG514ME	Sediment		1.0	71-55-6	1,1,1-Trichloroethane	500	U	U	500	ug/kg	6100-SED26B
BG514ME	Sediment		1.0	110-82-7	Cyclohexane	500	U	U	500	ug/kg	6100-SED26B
BG514ME	Sediment		1.0	56-23-5	Carbon tetrachloride	500	U	U	500	ug/kg	6100-SED26B
BG514ME	Sediment		1.0	71-43-2	Benzene	500	U	U	500	ug/kg	6100-SED26B
BG514ME	Sediment		1.0	107-06-2	1,2-Dichloroethane	500	U	U	500	ug/kg	6100-SED26B
BG514ME	Sediment		1.0	79-01-6	Trichloroethene	500	U	U	500	ug/kg	6100-SED26B
BG514ME	Sediment		1.0	108-87-2	Methylcyclohexane	500	U	U	500	ug/kg	6100-SED26B
BG514ME	Sediment		1.0	78-87-5	1,2-Dichloropropane	500	U	U	500	ug/kg	6100-SED26B
BG514ME	Sediment		1.0	75-27-4	Bromodichloromethane	500	U	U	500	ug/kg	6100-SED26B
BG514ME	Sediment		1.0	10061-01-5	cis-1,3-Dichloropropene	500	U	U	500	ug/kg	6100-SED26B
BG514ME	Sediment		1.0	108-10-1	4-Methyl-2-pentanone	1000	U	U	1000	ug/kg	6100-SED26B
BG514ME	Sediment		1.0	108-88-3	Toluene	500	U	U	500	ug/kg	6100-SED26B
BG514ME	Sediment		1.0	10061-02-6	trans-1,3-Dichloropropene	500	U	U	500	ug/kg	6100-SED26B
BG514ME	Sediment		1.0	79-00-5	1,1,2-Trichloroethane	500	U	U	500	ug/kg	6100-SED26B
BG514ME	Sediment		1.0	127-18-4	Tetrachloroethene	500	U	U	500	ug/kg	6100-SED26B
BG514ME	Sediment		1.0	591-78-6	2-Hexanone	1000	U	U	1000	ug/kg	6100-SED26B
BG514ME	Sediment		1.0	124-48-1	Dibromochloromethane	500	U	U	500	ug/kg	6100-SED26B
BG514ME	Sediment		1.0	106-93-4	1,2-Dibromoethane	500	U	U	500	ug/kg	6100-SED26B
BG514ME	Sediment		1.0	108-90-7	Chlorobenzene	500	U	U	500	ug/kg	6100-SED26B
BG514ME	Sediment		1.0	100-41-4	Ethylbenzene	500	U	U	500	ug/kg	6100-SED26B
BG514ME	Sediment		1.0	95-47-6	o-Xylene	500	U	U	500	ug/kg	6100-SED26B
BG514ME	Sediment		1.0	179601-23-1	m,p-Xylene	500	U	U	500	ug/kg	6100-SED26B
BG514ME	Sediment		1.0	100-42-5	Styrene	500	U	U	500	ug/kg	6100-SED26B
BG514ME	Sediment		1.0	75-25-2	Bromoform	500	U	U	500	ug/kg	6100-SED26B
BG514ME	Sediment		1.0	98-82-8	Isopropylbenzene	500	U	U	500	ug/kg	6100-SED26B
BG514ME	Sediment		1.0	96-18-4	1,2,3-Trichloropropane	500	U	U	500	ug/kg	6100-SED26B
BG514ME	Sediment		1.0	79-34-5	1,1,2,2-Tetrachloroethane	500	U	U	500	ug/kg	6100-SED26B
BG514ME	Sediment		1.0	541-73-1	1,3-Dichlorobenzene	500	U	U	500	ug/kg	6100-SED26B
BG514ME	Sediment		1.0	106-46-7	1,4-Dichlorobenzene	500	U	U	500	ug/kg	6100-SED26B
BG514ME	Sediment		1.0	95-50-1	1,2-Dichlorobenzene	500	U	U	500	ug/kg	6100-SED26B
BG514ME	Sediment		1.0	96-12-8	1,2-Dibromo-3-chloropropane	500	U	U	500	ug/kg	6100-SED26B
BG514ME	Sediment		1.0	95-63-6	1,2,4-Trimethylbenzene	110	J		500	ug/kg	6100-SED26B
BG514ME	Sediment		1.0	108-67-8	1,3,5-Trimethylbenzene	500	U	U	500	ug/kg	6100-SED26B
BG514ME	Sediment		1.0	120-82-1	1,2,4-trichlorobenzene	500	U	U	500	ug/kg	6100-SED26B
BG514ME	Sediment		1.0	87-61-6	1,2,3-Trichlorobenzene	500	U	U	500	ug/kg	6100-SED26B
BG514ME	Sediment		1.0	unknown-03	unknown-03	1900	J	J		ug/kg	6100-SED26B
BG514ME	Sediment		1.0	unknown-06	unknown-06	2000	J	J		ug/kg	6100-SED26B
BG514ME	Sediment		1.0	E966796	Total Alkanes	1200	BN	BN		ug/kg	6100-SED26B
BG514ME	Sediment		1.0	000488-23-3	Benzene, 1,2,3,4-tetramethyl-	2500	JN	JN		ug/kg	6100-SED26B
BG514ME	Sediment		1.0	000571-58-4	Naphthalene, 1,4-dimethyl-	450	JN	JN		ug/kg	6100-SED26B
BG514ME	Sediment		1.0	000933-98-2	Benzene, 1-ethyl-2,3-dimethyl-	1900	JN	JN		ug/kg	6100-SED26B
BG514ME	Sediment		1.0	001074-55-1	Benzene, 1-methyl-4-propyl-	930	JN	JN		ug/kg	6100-SED26B

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG514ME	Sediment		1.0	001075-38-3	Benzene, 1-(1,1-dimethylethyl)-3-m	410	JN	JN		ug/kg	6100-SED26B
BG514ME	Sediment		1.0	001595-16-0	Benzene, 1-methyl-4-(1-methylpropy	1600	JN	JN		ug/kg	6100-SED26B
BG514ME	Sediment		1.0	001758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	680	JN	JN		ug/kg	6100-SED26B
BG514ME	Sediment		1.0	002050-24-0	Benzene, 1,3-diethyl-5-methyl-	830	JN	JN		ug/kg	6100-SED26B
BG514ME	Sediment		1.0	1000188-08-0	4,5-Dimethyl-3H-isobenzofuran-1-on	440	JN	JN		ug/kg	6100-SED26B
BG514ME	Sediment		1.0	1000370-34-1	3,4-Dimethylcumene	2600	JN	JN		ug/kg	6100-SED26B
BG514ME	Sediment		1.0	unknown-05	unknown-05	1500	J	J		ug/kg	6100-SED26B
BG514ME	Sediment		1.0	unknown-02	unknown-02	840	J	J		ug/kg	6100-SED26B
BG514ME	Sediment		1.0	unknown-04	unknown-04	810	J	J		ug/kg	6100-SED26B
BG514ME	Sediment		1.0	unknown-01	unknown-01	630	J	J		ug/kg	6100-SED26B
BG514ME	Sediment		1.0	000095-93-2	Benzene, 1,2,4,5-tetramethyl-	1900	JN	JN		ug/kg	6100-SED26B
BG515	Sediment	04/26/2021	1.0	75-71-8	Dichlorodifluoromethane	17	U	U	17	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	74-87-3	Chloromethane	17	U	UJ	17	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	75-01-4	Vinyl chloride	17	U	U	17	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	74-83-9	Bromomethane	17	U	U	17	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	75-00-3	Chloroethane	17	U	U	17	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	75-69-4	Trichlorofluoromethane	17	U	U	17	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	75-35-4	1,1-Dichloroethene	17	U	UJ	17	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	17	U	U	17	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	67-64-1	Acetone	440			34	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	75-15-0	Carbon disulfide	11	J	J	17	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	79-20-9	Methyl Acetate	17	U	U	17	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	75-09-2	Methylene chloride	34	B		17	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	156-60-5	trans-1,2-Dichloroethene	17	U	UJ	17	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	1634-04-4	Methyl tert-butyl Ether	17	U	U	17	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	75-34-3	1,1-Dichloroethane	17	U	U	17	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	156-59-2	cis-1,2-Dichloroethene	17	U	UJ	17	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	78-93-3	2-Butanone	110			34	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	74-97-5	Bromochloromethane	17	U	U	17	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	67-66-3	Chloroform	17	U	U	17	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	71-55-6	1,1,1-Trichloroethane	17	U	U	17	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	110-82-7	Cyclohexane	17	U	U	17	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	56-23-5	Carbon tetrachloride	17	U	U	17	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	71-43-2	Benzene	3.2	J	J	17	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	107-06-2	1,2-Dichloroethane	17	U	U	17	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	79-01-6	Trichloroethene	17	U	U	17	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	108-87-2	Methylcyclohexane	6.2	J	J	17	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	78-87-5	1,2-Dichloropropane	17	U	U	17	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	75-27-4	Bromodichloromethane	17	U	U	17	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	17	U	U	17	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	108-10-1	4-Methyl-2-pentanone	34	U	U	34	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	108-88-3	Toluene	17	U	U	17	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	17	U	U	17	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	79-00-5	1,1,2-Trichloroethane	17	U	U	17	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	127-18-4	Tetrachloroethene	17	U	U	17	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	591-78-6	2-Hexanone	34	U	U	34	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	124-48-1	Dibromochloromethane	17	U	U	17	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	106-93-4	1,2-Dibromoethane	17	U	U	17	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	108-90-7	Chlorobenzene	17	U	U	17	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	100-41-4	Ethylbenzene	17	U	U	17	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	95-47-6	o-Xylene	7.7	J	J	17	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	179601-23-1	m,p-Xylene	17	U	U	17	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	100-42-5	Styrene	17	U	U	17	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	75-25-2	Bromoform	17	U	U	17	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	98-82-8	Isopropylbenzene	17	U	U	17	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	96-18-4	1,2,3-Trichloropropane	17	U	U	17	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	17	U	U	17	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	541-73-1	1,3-Dichlorobenzene	17	U	U	17	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	106-46-7	1,4-Dichlorobenzene	17	U	U	17	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	95-50-1	1,2-Dichlorobenzene	17	U	U	17	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	17	U	U	17	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	14	J	J	17	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	12	J	J	17	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	120-82-1	1,2,4-trichlorobenzene	17	U	U	17	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	17	U	U	17	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	unknown-04	unknown-04	44	J	J		ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	unknown-02	unknown-02	59	J	J		ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	E966796	Total Alkanes	2200	BN	BN		ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	unknown-06	unknown-06	100	J	J		ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	000399-31-5	Acetamide, N-(2-fluorophenyl)-	9.9	JN	JN		ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	002890-62-2	Ethanone, 1-(1-methylcyclohexyl)-	120	JN	JN		ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	013187-99-0	2-Bromo dodecane	83	JN	JN		ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	017851-27-3	Benzene, 1-ethyl-2,4,5-trimethyl-	40	JN	JN		ug/kg	6100-SED26C

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG515	Sediment	04/26/2021	1.0	1000309-17-6	Sulfurous acid, butyl nonyl ester	97	JN	JN		ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	unknown-03	unknown-03	38	J	J		ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	unknown-01	unknown-01	13	J	J		ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	unknown-05	unknown-05	72	J	J		ug/kg	6100-SED26C
BG576	Sediment	04/26/2021	1.0	75-71-8	Dichlorodifluoromethane	21	U	U	21	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	74-87-3	Chloromethane	21	U	U	21	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	75-01-4	Vinyl chloride	21	U	U	21	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	74-83-9	Bromomethane	21	U	U	21	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	75-00-3	Chloroethane	21	U	U	21	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	75-69-4	Trichlorofluoromethane	21	U	U	21	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	75-35-4	1,1-Dichloroethene	21	U	U	21	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	21	U	U	21	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	67-64-1	Acetone	190			43	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	75-15-0	Carbon disulfide	11	J	J	21	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	79-20-9	Methyl Acetate	21	U	U	21	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	75-09-2	Methylene chloride	29	B		21	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	156-60-5	trans-1,2-Dichloroethene	21	U	U	21	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	1634-04-4	Methyl tert-butyl Ether	21	U	U	21	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	75-34-3	1,1-Dichloroethane	21	U	U	21	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	156-59-2	cis-1,2-Dichloroethene	21	U	U	21	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	78-93-3	2-Butanone	53			43	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	74-97-5	Bromochloromethane	21	U	U	21	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	67-66-3	Chloroform	21	U	U	21	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	71-55-6	1,1,1-Trichloroethane	21	U	U	21	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	110-82-7	Cyclohexane	21	U	U	21	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	56-23-5	Carbon tetrachloride	21	U	U	21	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	71-43-2	Benzene	21	U	U	21	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	107-06-2	1,2-Dichloroethane	21	U	U	21	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	79-01-6	Trichloroethene	21	U	U	21	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	108-87-2	Methylcyclohexane	21	U	U	21	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	78-87-5	1,2-Dichloropropane	21	U	U	21	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	75-27-4	Bromodichloromethane	21	U	U	21	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	21	U	U	21	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	108-10-1	4-Methyl-2-pentanone	43	U	U	43	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	108-88-3	Toluene	21	JB	U	21	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	21	U	U	21	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	79-00-5	1,1,2-Trichloroethane	21	U	U	21	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	127-18-4	Tetrachloroethene	21	U	U	21	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	591-78-6	2-Hexanone	43	U	U	43	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	124-48-1	Dibromochloromethane	21	U	U	21	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	106-93-4	1,2-Dibromoethane	21	U	U	21	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	108-90-7	Chlorobenzene	21	U	U	21	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	100-41-4	Ethylbenzene	21	U	U	21	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	95-47-6	o-Xylene	5.7	J	J	21	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	179601-23-1	m,p-Xylene	21	U	U	21	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	100-42-5	Styrene	21	U	U	21	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	75-25-2	Bromoform	21	U	UJ	21	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	98-82-8	Isopropylbenzene	21	U	UJ	21	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	96-18-4	1,2,3-Trichloropropane	21	U	UJ	21	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	21	U	U	21	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	541-73-1	1,3-Dichlorobenzene	21	U	UJ	21	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	106-46-7	1,4-Dichlorobenzene	21	U	UJ	21	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	95-50-1	1,2-Dichlorobenzene	21	U	UJ	21	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	21	U	UJ	21	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	8.6	J	J+	21	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	6.5	J	J+	21	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	120-82-1	1,2,4-trichlorobenzene	21	U	UJ	21	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	21	U	UJ	21	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	E966796	Total Alkanes	2400	BN	BN		ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	unknown-01	unknown-01	120	J	J		ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	unknown-02	unknown-02	130	J	J		ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	000075-18-3	Dimethyl sulfide	34	JN	JN		ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	002958-76-1	Naphthalene, decahydro-2-methyl-	89	JN	JN		ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	1000309-17-6	Sulfurous acid, butyl nonyl ester	31	JN	JN		ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	1000309-68-3	Oxalic acid, cyclohexylmethyl isoh	90	JN	JN		ug/kg	6100-SED07A
BG576ME	Sediment		1.0	75-71-8	Dichlorodifluoromethane	1800	U	U	1800	ug/kg	6100-SED07A
BG576ME	Sediment		1.0	74-87-3	Chloromethane	1800	U	U	1800	ug/kg	6100-SED07A
BG576ME	Sediment		1.0	75-01-4	Vinyl chloride	1800	U	U	1800	ug/kg	6100-SED07A
BG576ME	Sediment		1.0	74-83-9	Bromomethane	1800	U	U	1800	ug/kg	6100-SED07A
BG576ME	Sediment		1.0	75-00-3	Chloroethane	1800	U	U	1800	ug/kg	6100-SED07A
BG576ME	Sediment		1.0	75-69-4	Trichlorofluoromethane	1800	U	U	1800	ug/kg	6100-SED07A
BG576ME	Sediment		1.0	75-35-4	1,1-Dichloroethene	1800	U	U	1800	ug/kg	6100-SED07A
BG576ME	Sediment		1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1800	U	U	1800	ug/kg	6100-SED07A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG576ME	Sediment		1.0	67-64-1	Acetone	3600	U	U	3600	ug/kg	6100-SED07A
BG576ME	Sediment		1.0	75-15-0	Carbon disulfide	1800	U	U	1800	ug/kg	6100-SED07A
BG576ME	Sediment		1.0	79-20-9	Methyl Acetate	1800	U	U	1800	ug/kg	6100-SED07A
BG576ME	Sediment		1.0	75-09-2	Methylene chloride	1800	U	U	1800	ug/kg	6100-SED07A
BG576ME	Sediment		1.0	156-60-5	trans-1,2-Dichloroethene	1800	U	U	1800	ug/kg	6100-SED07A
BG576ME	Sediment		1.0	1634-04-4	Methyl tert-butyl Ether	1800	U	U	1800	ug/kg	6100-SED07A
BG576ME	Sediment		1.0	75-34-3	1,1-Dichloroethane	1800	U	U	1800	ug/kg	6100-SED07A
BG576ME	Sediment		1.0	156-59-2	cis-1,2-Dichloroethene	1800	U	U	1800	ug/kg	6100-SED07A
BG576ME	Sediment		1.0	78-93-3	2-Butanone	3600	U	U	3600	ug/kg	6100-SED07A
BG576ME	Sediment		1.0	74-97-5	Bromochloromethane	1800	U	U	1800	ug/kg	6100-SED07A
BG576ME	Sediment		1.0	67-66-3	Chloroform	1800	U	U	1800	ug/kg	6100-SED07A
BG576ME	Sediment		1.0	71-55-6	1,1,1-Trichloroethane	1800	U	U	1800	ug/kg	6100-SED07A
BG576ME	Sediment		1.0	110-82-7	Cyclohexane	1800	U	U	1800	ug/kg	6100-SED07A
BG576ME	Sediment		1.0	56-23-5	Carbon tetrachloride	1800	U	U	1800	ug/kg	6100-SED07A
BG576ME	Sediment		1.0	71-43-2	Benzene	1800	U	U	1800	ug/kg	6100-SED07A
BG576ME	Sediment		1.0	107-06-2	1,2-Dichloroethane	1800	U	U	1800	ug/kg	6100-SED07A
BG576ME	Sediment		1.0	79-01-6	Trichloroethene	1800	U	U	1800	ug/kg	6100-SED07A
BG576ME	Sediment		1.0	108-87-2	Methylcyclohexane	1800	U	U	1800	ug/kg	6100-SED07A
BG576ME	Sediment		1.0	78-87-5	1,2-Dichloropropane	1800	U	U	1800	ug/kg	6100-SED07A
BG576ME	Sediment		1.0	75-27-4	Bromodichloromethane	1800	U	U	1800	ug/kg	6100-SED07A
BG576ME	Sediment		1.0	10061-01-5	cis-1,3-Dichloropropene	1800	U	U	1800	ug/kg	6100-SED07A
BG576ME	Sediment		1.0	108-10-1	4-Methyl-2-pentanone	3600	U	U	3600	ug/kg	6100-SED07A
BG576ME	Sediment		1.0	108-88-3	Toluene	1800	U	U	1800	ug/kg	6100-SED07A
BG576ME	Sediment		1.0	10061-02-6	trans-1,3-Dichloropropene	1800	U	U	1800	ug/kg	6100-SED07A
BG576ME	Sediment		1.0	79-00-5	1,1,2-Trichloroethane	1800	U	U	1800	ug/kg	6100-SED07A
BG576ME	Sediment		1.0	127-18-4	Tetrachloroethene	1800	U	U	1800	ug/kg	6100-SED07A
BG576ME	Sediment		1.0	591-78-6	2-Hexanone	3600	U	U	3600	ug/kg	6100-SED07A
BG576ME	Sediment		1.0	124-48-1	Dibromochloromethane	1800	U	U	1800	ug/kg	6100-SED07A
BG576ME	Sediment		1.0	106-93-4	1,2-Dibromoethane	1800	U	U	1800	ug/kg	6100-SED07A
BG576ME	Sediment		1.0	108-90-7	Chlorobenzene	1800	U	U	1800	ug/kg	6100-SED07A
BG576ME	Sediment		1.0	100-41-4	Ethylbenzene	1800	U	U	1800	ug/kg	6100-SED07A
BG576ME	Sediment		1.0	95-47-6	o-Xylene	1800	U	U	1800	ug/kg	6100-SED07A
BG576ME	Sediment		1.0	179601-23-1	m,p-Xylene	1800	U	U	1800	ug/kg	6100-SED07A
BG576ME	Sediment		1.0	100-42-5	Styrene	1800	U	U	1800	ug/kg	6100-SED07A
BG576ME	Sediment		1.0	75-25-2	Bromoform	1800	U	U	1800	ug/kg	6100-SED07A
BG576ME	Sediment		1.0	98-82-8	Isopropylbenzene	1800	U	U	1800	ug/kg	6100-SED07A
BG576ME	Sediment		1.0	96-18-4	1,2,3-Trichloropropane	1800	U	U	1800	ug/kg	6100-SED07A
BG576ME	Sediment		1.0	79-34-5	1,1,2,2-Tetrachloroethane	1800	U	U	1800	ug/kg	6100-SED07A
BG576ME	Sediment		1.0	541-73-1	1,3-Dichlorobenzene	1800	U	U	1800	ug/kg	6100-SED07A
BG576ME	Sediment		1.0	106-46-7	1,4-Dichlorobenzene	1800	U	U	1800	ug/kg	6100-SED07A
BG576ME	Sediment		1.0	95-50-1	1,2-Dichlorobenzene	1800	U	U	1800	ug/kg	6100-SED07A
BG576ME	Sediment		1.0	96-12-8	1,2-Dibromo-3-chloropropane	1800	U	U	1800	ug/kg	6100-SED07A
BG576ME	Sediment		1.0	95-63-6	1,2,4-Trimethylbenzene	1800	U	U	1800	ug/kg	6100-SED07A
BG576ME	Sediment		1.0	108-67-8	1,3,5-Trimethylbenzene	1800	U	U	1800	ug/kg	6100-SED07A
BG576ME	Sediment		1.0	120-82-1	1,2,4-trichlorobenzene	1800	U	U	1800	ug/kg	6100-SED07A
BG576ME	Sediment		1.0	87-61-6	1,2,3-Trichlorobenzene	1800	U	U	1800	ug/kg	6100-SED07A
BG576ME	Sediment		1.0	E966796	Total Alkanes		N	N		ug/kg	6100-SED07A
BG577	Sediment	04/26/2021	1.0	75-71-8	Dichlorodifluoromethane	19	U	U	19	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	74-87-3	Chloromethane	19	U	U	19	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	75-01-4	Vinyl chloride	19	U	U	19	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	74-83-9	Bromomethane	19	U	U	19	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	75-00-3	Chloroethane	19	U	U	19	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	75-69-4	Trichlorofluoromethane	19	U	U	19	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	75-35-4	1,1-Dichloroethene	19	U	U	19	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	19	U	U	19	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	67-64-1	Acetone	120			38	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	75-15-0	Carbon disulfide	7.5	J	J	19	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	79-20-9	Methyl Acetate	19	U	U	19	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	75-09-2	Methylene chloride	23	B		19	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	156-60-5	trans-1,2-Dichloroethene	19	U	U	19	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	1634-04-4	Methyl tert-butyl Ether	19	U	U	19	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	75-34-3	1,1-Dichloroethane	19	U	U	19	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	156-59-2	cis-1,2-Dichloroethene	19	U	U	19	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	78-93-3	2-Butanone	38	U	U	38	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	74-97-5	Bromochloromethane	19	U	U	19	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	67-66-3	Chloroform	19	U	U	19	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	71-55-6	1,1,1-Trichloroethane	19	U	U	19	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	110-82-7	Cyclohexane	19	U	U	19	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	56-23-5	Carbon tetrachloride	19	U	U	19	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	71-43-2	Benzene	19	U	U	19	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	107-06-2	1,2-Dichloroethane	19	U	U	19	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	79-01-6	Trichloroethene	19	U	U	19	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	108-87-2	Methylcyclohexane	19	U	U	19	ug/kg	6100-SED07B

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG577	Sediment	04/26/2021	1.0	78-87-5	1,2-Dichloropropane	19	U	U	19	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	75-27-4	Bromodichloromethane	19	U	U	19	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	19	U	U	19	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	108-10-1	4-Methyl-2-pentanone	38	U	U	38	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	108-88-3	Toluene	19	JB	U	19	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	19	U	U	19	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	79-00-5	1,1,2-Trichloroethane	19	U	U	19	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	127-18-4	Tetrachloroethene	19	U	U	19	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	591-78-6	2-Hexanone	38	U	U	38	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	124-48-1	Dibromochloromethane	19	U	U	19	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	106-93-4	1,2-Dibromoethane	19	U	U	19	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	108-90-7	Chlorobenzene	19	U	U	19	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	100-41-4	Ethylbenzene	19	U	U	19	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	95-47-6	o-Xylene	2.5	J	J	19	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	179601-23-1	m,p-Xylene	19	U	U	19	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	100-42-5	Styrene	19	U	U	19	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	75-25-2	Bromoform	19	U	UJ	19	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	98-82-8	Isopropylbenzene	19	U	UJ	19	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	96-18-4	1,2,3-Trichloropropane	19	U	UJ	19	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	19	U	U	19	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	541-73-1	1,3-Dichlorobenzene	19	U	UJ	19	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	106-46-7	1,4-Dichlorobenzene	19	U	UJ	19	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	95-50-1	1,2-Dichlorobenzene	19	U	UJ	19	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	19	U	UJ	19	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	3.2	J	J+	19	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	19	U	UJ	19	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	120-82-1	1,2,4-trichlorobenzene	19	U	UJ	19	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	19	U	UJ	19	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	unknown-02	unknown-02	13	J	J		ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	unknown-01	unknown-01	28	J	J		ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	000075-18-3	Dimethyl sulfide	520	JN	JN		ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	002916-68-9	Ethanol, 2-(trimethylsilyl)-	17	JN	JN		ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	002958-76-1	Naphthalene, decahydro-2-methyl-	19	JN	JN		ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	003209-79-8	2,2-Ethylidenebis(5-methylfuran)	9.6	JN	JN		ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	E966796	Total Alkanes	300	BN	BN		ug/kg	6100-SED07B
BG577ME	Sediment		1.0	75-71-8	Dichlorodifluoromethane	1300	U	U	1300	ug/kg	6100-SED07B
BG577ME	Sediment		1.0	74-87-3	Chloromethane	1300	U	U	1300	ug/kg	6100-SED07B
BG577ME	Sediment		1.0	75-01-4	Vinyl chloride	1300	U	U	1300	ug/kg	6100-SED07B
BG577ME	Sediment		1.0	74-83-9	Bromomethane	1300	U	U	1300	ug/kg	6100-SED07B
BG577ME	Sediment		1.0	75-00-3	Chloroethane	1300	U	U	1300	ug/kg	6100-SED07B
BG577ME	Sediment		1.0	75-69-4	Trichlorofluoromethane	1300	U	U	1300	ug/kg	6100-SED07B
BG577ME	Sediment		1.0	75-35-4	1,1-Dichloroethene	1300	U	U	1300	ug/kg	6100-SED07B
BG577ME	Sediment		1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1300	U	U	1300	ug/kg	6100-SED07B
BG577ME	Sediment		1.0	67-64-1	Acetone	2600	U	U	2600	ug/kg	6100-SED07B
BG577ME	Sediment		1.0	75-15-0	Carbon disulfide	1300	U	U	1300	ug/kg	6100-SED07B
BG577ME	Sediment		1.0	79-20-9	Methyl Acetate	1300	U	U	1300	ug/kg	6100-SED07B
BG577ME	Sediment		1.0	75-09-2	Methylene chloride	1300	U	U	1300	ug/kg	6100-SED07B
BG577ME	Sediment		1.0	156-60-5	trans-1,2-Dichloroethene	1300	U	U	1300	ug/kg	6100-SED07B
BG577ME	Sediment		1.0	1634-04-4	Methyl tert-butyl Ether	1300	U	U	1300	ug/kg	6100-SED07B
BG577ME	Sediment		1.0	75-34-3	1,1-Dichloroethane	1300	U	U	1300	ug/kg	6100-SED07B
BG577ME	Sediment		1.0	156-59-2	cis-1,2-Dichloroethene	1300	U	U	1300	ug/kg	6100-SED07B
BG577ME	Sediment		1.0	78-93-3	2-Butanone	2600	U	U	2600	ug/kg	6100-SED07B
BG577ME	Sediment		1.0	74-97-5	Bromochloromethane	1300	U	U	1300	ug/kg	6100-SED07B
BG577ME	Sediment		1.0	67-66-3	Chloroform	1300	U	U	1300	ug/kg	6100-SED07B
BG577ME	Sediment		1.0	71-55-6	1,1,1-Trichloroethane	1300	U	U	1300	ug/kg	6100-SED07B
BG577ME	Sediment		1.0	110-82-7	Cyclohexane	1300	U	U	1300	ug/kg	6100-SED07B
BG577ME	Sediment		1.0	56-23-5	Carbon tetrachloride	1300	U	U	1300	ug/kg	6100-SED07B
BG577ME	Sediment		1.0	71-43-2	Benzene	1300	U	U	1300	ug/kg	6100-SED07B
BG577ME	Sediment		1.0	107-06-2	1,2-Dichloroethane	1300	U	U	1300	ug/kg	6100-SED07B
BG577ME	Sediment		1.0	79-01-6	Trichloroethene	1300	U	U	1300	ug/kg	6100-SED07B
BG577ME	Sediment		1.0	108-87-2	Methylcyclohexane	1300	U	U	1300	ug/kg	6100-SED07B
BG577ME	Sediment		1.0	78-87-5	1,2-Dichloropropane	1300	U	U	1300	ug/kg	6100-SED07B
BG577ME	Sediment		1.0	75-27-4	Bromodichloromethane	1300	U	U	1300	ug/kg	6100-SED07B
BG577ME	Sediment		1.0	10061-01-5	cis-1,3-Dichloropropene	1300	U	U	1300	ug/kg	6100-SED07B
BG577ME	Sediment		1.0	108-10-1	4-Methyl-2-pentanone	2600	U	U	2600	ug/kg	6100-SED07B
BG577ME	Sediment		1.0	108-88-3	Toluene	1300	U	U	1300	ug/kg	6100-SED07B
BG577ME	Sediment		1.0	10061-02-6	trans-1,3-Dichloropropene	1300	U	U	1300	ug/kg	6100-SED07B
BG577ME	Sediment		1.0	79-00-5	1,1,2-Trichloroethane	1300	U	U	1300	ug/kg	6100-SED07B
BG577ME	Sediment		1.0	127-18-4	Tetrachloroethene	1300	U	U	1300	ug/kg	6100-SED07B
BG577ME	Sediment		1.0	591-78-6	2-Hexanone	2600	U	U	2600	ug/kg	6100-SED07B
BG577ME	Sediment		1.0	124-48-1	Dibromochloromethane	1300	U	U	1300	ug/kg	6100-SED07B
BG577ME	Sediment		1.0	106-93-4	1,2-Dibromoethane	1300	U	U	1300	ug/kg	6100-SED07B
BG577ME	Sediment		1.0	108-90-7	Chlorobenzene	1300	U	U	1300	ug/kg	6100-SED07B

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG577ME	Sediment		1.0	100-41-4	Ethylbenzene	1300	U	U	1300	ug/kg	6100-SED07B
BG577ME	Sediment		1.0	95-47-6	o-Xylene	1300	U	U	1300	ug/kg	6100-SED07B
BG577ME	Sediment		1.0	179601-23-1	m,p-Xylene	1300	U	U	1300	ug/kg	6100-SED07B
BG577ME	Sediment		1.0	100-42-5	Styrene	1300	U	U	1300	ug/kg	6100-SED07B
BG577ME	Sediment		1.0	75-25-2	Bromoform	1300	U	U	1300	ug/kg	6100-SED07B
BG577ME	Sediment		1.0	98-82-8	Isopropylbenzene	1300	U	U	1300	ug/kg	6100-SED07B
BG577ME	Sediment		1.0	96-18-4	1,2,3-Trichloropropane	1300	U	U	1300	ug/kg	6100-SED07B
BG577ME	Sediment		1.0	79-34-5	1,1,2,2-Tetrachloroethane	1300	U	U	1300	ug/kg	6100-SED07B
BG577ME	Sediment		1.0	541-73-1	1,3-Dichlorobenzene	1300	U	U	1300	ug/kg	6100-SED07B
BG577ME	Sediment		1.0	106-46-7	1,4-Dichlorobenzene	1300	U	U	1300	ug/kg	6100-SED07B
BG577ME	Sediment		1.0	95-50-1	1,2-Dichlorobenzene	1300	U	U	1300	ug/kg	6100-SED07B
BG577ME	Sediment		1.0	96-12-8	1,2-Dibromo-3-chloropropane	1300	U	U	1300	ug/kg	6100-SED07B
BG577ME	Sediment		1.0	95-63-6	1,2,4-Trimethylbenzene	1300	U	U	1300	ug/kg	6100-SED07B
BG577ME	Sediment		1.0	108-67-8	1,3,5-Trimethylbenzene	1300	U	U	1300	ug/kg	6100-SED07B
BG577ME	Sediment		1.0	120-82-1	1,2,4-trichlorobenzene	1300	U	U	1300	ug/kg	6100-SED07B
BG577ME	Sediment		1.0	87-61-6	1,2,3-Trichlorobenzene	1300	U	U	1300	ug/kg	6100-SED07B
BG577ME	Sediment		1.0	E966796	Total Alkanes		N	N		ug/kg	6100-SED07B
BG578	Sediment	04/26/2021	1.0	75-71-8	Dichlorodifluoromethane	12	U	U	12	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	74-87-3	Chloromethane	12	U	UJ	12	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	75-01-4	Vinyl chloride	12	U	U	12	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	74-83-9	Bromomethane	12	U	U	12	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	75-00-3	Chloroethane	12	U	U	12	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	75-69-4	Trichlorofluoromethane	12	U	U	12	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	75-35-4	1,1-Dichloroethene	12	U	UJ	12	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	12	U	U	12	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	67-64-1	Acetone	150			25	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	75-15-0	Carbon disulfide	6.9	J	J	12	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	79-20-9	Methyl Acetate	12	U	U	12	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	75-09-2	Methylene chloride	29	B		12	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	156-60-5	trans-1,2-Dichloroethene	12	U	UJ	12	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	1634-04-4	Methyl tert-butyl Ether	12	U	U	12	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	75-34-3	1,1-Dichloroethane	12	U	U	12	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	156-59-2	cis-1,2-Dichloroethene	12	U	UJ	12	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	78-93-3	2-Butanone	36			25	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	74-97-5	Bromochloromethane	12	U	U	12	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	67-66-3	Chloroform	12	U	U	12	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	71-55-6	1,1,1-Trichloroethane	12	U	U	12	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	110-82-7	Cyclohexane	12	U	U	12	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	56-23-5	Carbon tetrachloride	12	U	U	12	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	71-43-2	Benzene	12	U	U	12	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	107-06-2	1,2-Dichloroethane	12	U	U	12	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	79-01-6	Trichloroethene	12	U	U	12	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	108-87-2	Methylcyclohexane	2.1	J	J	12	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	78-87-5	1,2-Dichloropropane	12	U	U	12	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	75-27-4	Bromodichloromethane	12	U	U	12	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	12	U	U	12	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	108-10-1	4-Methyl-2-pentanone	25	U	U	25	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	108-88-3	Toluene	12	U	U	12	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	12	U	U	12	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	79-00-5	1,1,2-Trichloroethane	12	U	U	12	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	127-18-4	Tetrachloroethene	12	U	U	12	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	591-78-6	2-Hexanone	25	U	U	25	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	124-48-1	Dibromochloromethane	12	U	U	12	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	106-93-4	1,2-Dibromoethane	12	U	U	12	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	108-90-7	Chlorobenzene	12	U	U	12	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	100-41-4	Ethylbenzene	12	U	U	12	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	95-47-6	o-Xylene	3.2	J	J	12	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	179601-23-1	m,p-Xylene	12	U	U	12	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	100-42-5	Styrene	12	U	U	12	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	75-25-2	Bromoform	12	U	U	12	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	98-82-8	Isopropylbenzene	12	U	U	12	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	96-18-4	1,2,3-Trichloropropane	12	U	U	12	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	12	U	U	12	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	541-73-1	1,3-Dichlorobenzene	12	U	U	12	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	106-46-7	1,4-Dichlorobenzene	12	U	U	12	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	95-50-1	1,2-Dichlorobenzene	12	U	U	12	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	12	U	U	12	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	6.5	J	J	12	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	5.3	J	J	12	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	120-82-1	1,2,4-trichlorobenzene	12	U	U	12	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	12	U	U	12	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	021170-08-1	1-Methylbicyclo[3.3.0]octane-3,7-d	26	JN	JN		ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	017851-27-3	Benzene, 1-ethyl-2,4,5-trimethyl-	7.1	JN	JN		ug/kg	6100-SED07C

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG578	Sediment	04/26/2021	1.0	E966796	Total Alkanes	150	BN	BN		ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	unknown-01	unknown-01	13	J	J		ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	1000152-47-3	trans-Decalin, 2-methyl-	13	JN	JN		ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	1000309-68-2	Oxalic acid, butyl cyclohexylmethy	16	JN	JN		ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	000095-93-2	Benzene, 1,2,4,5-tetramethyl-	16	JN	JN		ug/kg	6100-SED07C
BG579	Sediment	04/23/2021	1.0	75-71-8	Dichlorodifluoromethane	6.2	U	U	6.2	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	74-87-3	Chloromethane	6.2	U	UJ	6.2	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	75-01-4	Vinyl chloride	6.2	U	U	6.2	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	74-83-9	Bromomethane	6.2	U	U	6.2	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	75-00-3	Chloroethane	6.2	U	U	6.2	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	75-69-4	Trichlorofluoromethane	6.2	U	UJ	6.2	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	75-35-4	1,1-Dichloroethene	6.2	U	UJ	6.2	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6.2	U	U	6.2	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	67-64-1	Acetone	11	J	J	12	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	75-15-0	Carbon disulfide	1.7	J	J	6.2	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	79-20-9	Methyl Acetate	6.2	U	U	6.2	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	75-09-2	Methylene chloride	17			6.2	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	156-60-5	trans-1,2-Dichloroethene	6.2	U	UJ	6.2	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	1634-04-4	Methyl tert-butyl Ether	6.2	U	U	6.2	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	75-34-3	1,1-Dichloroethane	6.2	U	U	6.2	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	156-59-2	cis-1,2-Dichloroethene	6.2	U	UJ	6.2	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	78-93-3	2-Butanone	12	U	U	12	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	74-97-5	Bromochloromethane	6.2	U	U	6.2	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	67-66-3	Chloroform	6.2	U	U	6.2	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	71-55-6	1,1,1-Trichloroethane	6.2	U	U	6.2	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	110-82-7	Cyclohexane	6.2	U	U	6.2	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	56-23-5	Carbon tetrachloride	6.2	U	U	6.2	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	71-43-2	Benzene	6.2	U	U	6.2	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	107-06-2	1,2-Dichloroethane	6.2	U	U	6.2	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	79-01-6	Trichloroethene	6.2	U	U	6.2	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	108-87-2	Methylcyclohexane	6.2	U	U	6.2	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	78-87-5	1,2-Dichloropropane	6.2	U	U	6.2	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	75-27-4	Bromodichloromethane	6.2	U	U	6.2	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	6.2	U	U	6.2	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	108-10-1	4-Methyl-2-pentanone	12	U	U	12	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	108-88-3	Toluene	6.2	U	U	6.2	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	6.2	U	U	6.2	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	79-00-5	1,1,2-Trichloroethane	6.2	U	U	6.2	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	127-18-4	Tetrachloroethene	6.2	U	U	6.2	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	591-78-6	2-Hexanone	12	U	U	12	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	124-48-1	Dibromochloromethane	6.2	U	U	6.2	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	106-93-4	1,2-Dibromoethane	6.2	U	U	6.2	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	108-90-7	Chlorobenzene	6.2	U	U	6.2	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	100-41-4	Ethylbenzene	6.2	U	U	6.2	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	95-47-6	o-Xylene	6.2	U	U	6.2	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	179601-23-1	m,p-Xylene	6.2	U	U	6.2	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	100-42-5	Styrene	6.2	U	U	6.2	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	75-25-2	Bromoform	6.2	U	U	6.2	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	98-82-8	Isopropylbenzene	6.2	U	U	6.2	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	96-18-4	1,2,3-Trichloropropane	6.2	U	U	6.2	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	6.2	U	U	6.2	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	541-73-1	1,3-Dichlorobenzene	6.2	U	U	6.2	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	106-46-7	1,4-Dichlorobenzene	6.2	U	U	6.2	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	95-50-1	1,2-Dichlorobenzene	6.2	U	U	6.2	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	6.2	U	U	6.2	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	6.2	U	U	6.2	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	6.2	U	U	6.2	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	120-82-1	1,2,4-trichlorobenzene	6.2	U	U	6.2	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	6.2	U	U	6.2	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	002050-77-3	Decane, 1-iodo-	5.3	JN	JN		ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	000575-43-9	Naphthalene, 1,6-dimethyl-	3.5	JN	JN		ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	000499-75-2	Phenol, 2-methyl-5-(1-methylethyl)	6.4	JN	JN		ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	unknown-02	unknown-02	12	J	J		ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	unknown-01	unknown-01	3.3	J	J		ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	E966796	Total Alkanes	3.8	BN	BN		ug/kg	6100-SED08A
BG580	Sediment	04/23/2021	1.0	75-71-8	Dichlorodifluoromethane	6.0	U	U	6.0	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	74-87-3	Chloromethane	6.0	U	UJ	6.0	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	75-01-4	Vinyl chloride	6.0	U	U	6.0	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	74-83-9	Bromomethane	6.0	U	U	6.0	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	75-00-3	Chloroethane	6.0	U	U	6.0	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	75-69-4	Trichlorofluoromethane	6.0	U	U	6.0	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	75-35-4	1,1-Dichloroethene	6.0	U	UJ	6.0	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6.0	U	U	6.0	ug/kg	6100-SED08B

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG580	Sediment	04/23/2021	1.0	67-64-1	Acetone	11	J	J	12	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	75-15-0	Carbon disulfide	2.1	J	J	6.0	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	79-20-9	Methyl Acetate	6.0	U	U	6.0	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	75-09-2	Methylene chloride	8.4		U	6.0	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	156-60-5	trans-1,2-Dichloroethene	6.0	U	UJ	6.0	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	1634-04-4	Methyl tert-butyl Ether	6.0	U	U	6.0	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	75-34-3	1,1-Dichloroethane	6.0	U	U	6.0	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	156-59-2	cis-1,2-Dichloroethene	6.0	U	UJ	6.0	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	78-93-3	2-Butanone	12	U	U	12	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	74-97-5	Bromochloromethane	6.0	U	U	6.0	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	67-66-3	Chloroform	6.0	U	U	6.0	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	71-55-6	1,1,1-Trichloroethane	6.0	U	U	6.0	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	110-82-7	Cyclohexane	6.0	U	U	6.0	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	56-23-5	Carbon tetrachloride	6.0	U	U	6.0	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	71-43-2	Benzene	6.0	U	U	6.0	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	107-06-2	1,2-Dichloroethane	6.0	U	U	6.0	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	79-01-6	Trichloroethene	6.0	U	U	6.0	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	108-87-2	Methylcyclohexane	6.0	U	U	6.0	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	78-87-5	1,2-Dichloropropane	6.0	U	U	6.0	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	75-27-4	Bromodichloromethane	6.0	U	U	6.0	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	6.0	U	U	6.0	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	108-10-1	4-Methyl-2-pentanone	12	U	U	12	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	108-88-3	Toluene	6.0	U	U	6.0	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	6.0	U	U	6.0	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	79-00-5	1,1,2-Trichloroethane	6.0	U	U	6.0	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	127-18-4	Tetrachloroethene	6.0	U	U	6.0	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	591-78-6	2-Hexanone	12	U	U	12	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	124-48-1	Dibromochloromethane	6.0	U	U	6.0	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	106-93-4	1,2-Dibromoethane	6.0	U	U	6.0	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	108-90-7	Chlorobenzene	6.0	U	U	6.0	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	100-41-4	Ethylbenzene	6.0	U	U	6.0	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	95-47-6	o-Xylene	6.0	U	U	6.0	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	179601-23-1	m,p-Xylene	6.0	U	U	6.0	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	100-42-5	Styrene	6.0	U	U	6.0	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	75-25-2	Bromoform	6.0	U	U	6.0	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	98-82-8	Isopropylbenzene	6.0	U	U	6.0	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	96-18-4	1,2,3-Trichloropropane	6.0	U	U	6.0	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	6.0	U	U	6.0	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	541-73-1	1,3-Dichlorobenzene	6.0	U	U	6.0	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	106-46-7	1,4-Dichlorobenzene	6.0	U	U	6.0	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	95-50-1	1,2-Dichlorobenzene	6.0	U	U	6.0	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	6.0	U	U	6.0	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	6.0	U	U	6.0	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	6.0	U	U	6.0	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	120-82-1	1,2,4-trichlorobenzene	6.0	U	U	6.0	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	6.0	U	U	6.0	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	E966796	Total Alkanes	8.0	BN	BN		ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	1000152-47-3	trans-Decalin, 2-methyl-	4.4	JN	JN		ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	080655-44-3	Decahydro-4,4,8,9,10-pentamethylna	7.0	JN	JN		ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	000571-58-4	Naphthalene, 1,4-dimethyl-	5.4	JN	JN		ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	unknown-01	unknown-01	3.9	J	J		ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	unknown-02	unknown-02	11	J	J		ug/kg	6100-SED08B
BG581	Sediment	04/23/2021	1.0	75-71-8	Dichlorodifluoromethane	5.7	U	U	5.7	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	74-87-3	Chloromethane	5.7	U	UJ	5.7	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	75-01-4	Vinyl chloride	5.7	U	U	5.7	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	74-83-9	Bromomethane	5.7	U	U	5.7	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	75-00-3	Chloroethane	5.7	U	U	5.7	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	75-69-4	Trichlorofluoromethane	5.7	U	U	5.7	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	75-35-4	1,1-Dichloroethene	5.7	U	UJ	5.7	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.7	U	U	5.7	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	67-64-1	Acetone	37			11	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	75-15-0	Carbon disulfide	2.0	J	J	5.7	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	79-20-9	Methyl Acetate	5.7	U	U	5.7	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	75-09-2	Methylene chloride	9.6	B	U	5.7	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	156-60-5	trans-1,2-Dichloroethene	5.7	U	UJ	5.7	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	1634-04-4	Methyl tert-butyl Ether	5.7	U	U	5.7	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	75-34-3	1,1-Dichloroethane	5.7	U	U	5.7	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	156-59-2	cis-1,2-Dichloroethene	5.7	U	UJ	5.7	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	78-93-3	2-Butanone	9.9	J	J	11	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	74-97-5	Bromochloromethane	5.7	U	U	5.7	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	67-66-3	Chloroform	5.7	U	U	5.7	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	71-55-6	1,1,1-Trichloroethane	5.7	U	U	5.7	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	110-82-7	Cyclohexane	1.4	J	J	5.7	ug/kg	6100-SED08C

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG581	Sediment	04/23/2021	1.0	56-23-5	Carbon tetrachloride	5.7	U	U	5.7	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	71-43-2	Benzene	5.7	U	U	5.7	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	107-06-2	1,2-Dichloroethane	5.7	U	U	5.7	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	79-01-6	Trichloroethene	5.7	U	U	5.7	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	108-87-2	Methylcyclohexane	2.4	J	J	5.7	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	78-87-5	1,2-Dichloropropane	5.7	U	U	5.7	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	75-27-4	Bromodichloromethane	5.7	U	U	5.7	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	5.7	U	U	5.7	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	108-10-1	4-Methyl-2-pentanone	11	U	U	11	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	108-88-3	Toluene	5.7	U	U	5.7	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	5.7	U	U	5.7	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	79-00-5	1,1,2-Trichloroethane	5.7	U	U	5.7	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	127-18-4	Tetrachloroethene	5.7	U	U	5.7	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	591-78-6	2-Hexanone	11	U	U	11	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	124-48-1	Dibromochloromethane	5.7	U	U	5.7	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	106-93-4	1,2-Dibromoethane	5.7	U	U	5.7	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	108-90-7	Chlorobenzene	5.7	U	U	5.7	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	100-41-4	Ethylbenzene	5.7	U	U	5.7	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	95-47-6	o-Xylene	1.0	J	J	5.7	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	179601-23-1	m,p-Xylene	5.7	U	U	5.7	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	100-42-5	Styrene	5.7	U	U	5.7	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	75-25-2	Bromoform	5.7	U	U	5.7	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	98-82-8	Isopropylbenzene	0.78	J	J	5.7	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	96-18-4	1,2,3-Trichloropropane	5.7	U	U	5.7	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.7	U	U	5.7	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	541-73-1	1,3-Dichlorobenzene	5.7	U	U	5.7	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	106-46-7	1,4-Dichlorobenzene	5.7	U	U	5.7	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	95-50-1	1,2-Dichlorobenzene	5.7	U	U	5.7	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.7	U	U	5.7	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	2.8	J	J	5.7	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	0.94	J	J	5.7	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	120-82-1	1,2,4-trichlorobenzene	5.7	U	U	5.7	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	5.7	U	U	5.7	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	1000155-85-6	cis-Decalin, 2-syn-methyl-	9.1	JN	JN		ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	1000309-22-4	Sulfurous acid, cyclohexylmethyl h	4.4	JN	JN		ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	E966796	Total Alkanes	110	BN	BN		ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	1000152-47-3	trans-Decalin, 2-methyl-	16	JN	JN		ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	053172-84-2	Benzene, (1-methyl-1-butenyl)-	7.4	JN	JN		ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	016608-68-7	2-Butene, 3-chloro-1-phenyl-, (Z)-	6.0	JN	JN		ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	003975-85-7	1H-Pyrazole, 4,5-dihydro-3,5,5-tri	5.5	JN	JN		ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	002050-24-0	Benzene, 1,3-diethyl-5-methyl-	11	JN	JN		ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	001758-85-6	Benzene, 2,4-diethyl-1-methyl-	3.5	JN	JN		ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	001595-16-0	Benzene, 1-methyl-4-(1-methylpropy	4.3	JN	JN		ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	000934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	5.3	JN	JN		ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	000700-12-9	Benzene, pentamethyl-	6.8	JN	JN		ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	000095-93-2	Benzene, 1,2,4,5-tetramethyl-	15	JN	JN		ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	unknown-01	unknown-01	9.7	J	J		ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	unknown-03	unknown-03	3.7	J	J		ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	unknown-02	unknown-02	5.0	J	J		ug/kg	6100-SED08C
BG582	Sediment	04/23/2021	1.0	75-71-8	Dichlorodifluoromethane	7.7	U	U	7.7	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	74-87-3	Chloromethane	7.7	U	UJ	7.7	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	75-01-4	Vinyl chloride	7.7	U	U	7.7	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	74-83-9	Bromomethane	7.7	U	U	7.7	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	75-00-3	Chloroethane	7.7	U	U	7.7	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	75-69-4	Trichlorofluoromethane	7.7	U	U	7.7	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	75-35-4	1,1-Dichloroethene	7.7	U	UJ	7.7	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	7.7	U	U	7.7	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	67-64-1	Acetone	28			15	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	75-15-0	Carbon disulfide	2.4	J	J	7.7	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	79-20-9	Methyl Acetate	7.7	U	U	7.7	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	75-09-2	Methylene chloride	16			7.7	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	156-60-5	trans-1,2-Dichloroethene	7.7	U	UJ	7.7	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	1634-04-4	Methyl tert-butyl Ether	7.7	U	U	7.7	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	75-34-3	1,1-Dichloroethane	7.7	U	U	7.7	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	156-59-2	cis-1,2-Dichloroethene	7.7	U	UJ	7.7	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	78-93-3	2-Butanone	15	U	U	15	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	74-97-5	Bromochloromethane	7.7	U	U	7.7	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	67-66-3	Chloroform	7.7	U	U	7.7	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	71-55-6	1,1,1-Trichloroethane	7.7	U	U	7.7	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	110-82-7	Cyclohexane	7.7	U	U	7.7	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	56-23-5	Carbon tetrachloride	7.7	U	U	7.7	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	71-43-2	Benzene	7.7	U	U	7.7	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	107-06-2	1,2-Dichloroethane	7.7	U	U	7.7	ug/kg	6100-SED09A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG582	Sediment	04/23/2021	1.0	79-01-6	Trichloroethene	7.7	U	U	7.7	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	108-87-2	Methylcyclohexane	7.7	U	U	7.7	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	78-87-5	1,2-Dichloropropane	7.7	U	U	7.7	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	75-27-4	Bromodichloromethane	7.7	U	U	7.7	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	7.7	U	U	7.7	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	108-10-1	4-Methyl-2-pentanone	15	U	U	15	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	108-88-3	Toluene	7.7	U	U	7.7	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	7.7	U	U	7.7	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	79-00-5	1,1,2-Trichloroethane	7.7	U	U	7.7	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	127-18-4	Tetrachloroethene	7.7	U	U	7.7	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	591-78-6	2-Hexanone	15	U	U	15	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	124-48-1	Dibromochloromethane	7.7	U	U	7.7	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	106-93-4	1,2-Dibromoethane	7.7	U	U	7.7	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	108-90-7	Chlorobenzene	7.7	U	U	7.7	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	100-41-4	Ethylbenzene	7.7	U	U	7.7	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	95-47-6	o-Xylene	7.7	U	U	7.7	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	179601-23-1	m,p-Xylene	7.7	U	U	7.7	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	100-42-5	Styrene	7.7	U	U	7.7	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	75-25-2	Bromoform	7.7	U	UJ	7.7	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	98-82-8	Isopropylbenzene	7.7	U	UJ	7.7	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	96-18-4	1,2,3-Trichloropropane	7.7	U	UJ	7.7	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	7.7	U	U	7.7	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	541-73-1	1,3-Dichlorobenzene	7.7	U	UJ	7.7	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	106-46-7	1,4-Dichlorobenzene	7.7	U	UJ	7.7	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	95-50-1	1,2-Dichlorobenzene	7.7	U	UJ	7.7	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	7.7	U	UJ	7.7	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	7.7	U	UJ	7.7	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	7.7	U	UJ	7.7	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	120-82-1	1,2,4-trichlorobenzene	7.7	U	UJ	7.7	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	7.7	U	UJ	7.7	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	002425-77-6	1-Decanol, 2-hexyl-	15	JN	JN		ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	000115-10-6	Dimethyl ether	5.4	JBN	JBN		ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	000076-22-2	Camphor	12	JN	JN		ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	unknown-01	unknown-01	26	J	J		ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	unknown-03	unknown-03	22	J	J		ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	unknown-02	unknown-02	14	J	J		ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	unknown-04	unknown-04	12	J	J		ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	E966796	Total Alkanes	200	BN	BN		ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	1000309-37-7	Oxalic acid, dodecyl isobutyl este	34	JN	JN		ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	002958-75-0	1-Methyldecahydronaphthalene	28	JN	JN		ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	002958-76-1	Naphthalene, decahydro-2-methyl-	28	JN	JN		ug/kg	6100-SED09A
BG582ME	Sediment		1.0	75-71-8	Dichlorodifluoromethane	530	U	U	530	ug/kg	6100-SED09A
BG582ME	Sediment		1.0	74-87-3	Chloromethane	530	U	U	530	ug/kg	6100-SED09A
BG582ME	Sediment		1.0	75-01-4	Vinyl chloride	530	U	U	530	ug/kg	6100-SED09A
BG582ME	Sediment		1.0	74-83-9	Bromomethane	530	U	U	530	ug/kg	6100-SED09A
BG582ME	Sediment		1.0	75-00-3	Chloroethane	530	U	U	530	ug/kg	6100-SED09A
BG582ME	Sediment		1.0	75-69-4	Trichlorofluoromethane	530	U	U	530	ug/kg	6100-SED09A
BG582ME	Sediment		1.0	75-35-4	1,1-Dichloroethene	530	U	U	530	ug/kg	6100-SED09A
BG582ME	Sediment		1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	530	U	U	530	ug/kg	6100-SED09A
BG582ME	Sediment		1.0	67-64-1	Acetone	1100	U	U	1100	ug/kg	6100-SED09A
BG582ME	Sediment		1.0	75-15-0	Carbon disulfide	530	U	U	530	ug/kg	6100-SED09A
BG582ME	Sediment		1.0	79-20-9	Methyl Acetate	530	U	U	530	ug/kg	6100-SED09A
BG582ME	Sediment		1.0	75-09-2	Methylene chloride	530	U	U	530	ug/kg	6100-SED09A
BG582ME	Sediment		1.0	156-60-5	trans-1,2-Dichloroethene	530	U	U	530	ug/kg	6100-SED09A
BG582ME	Sediment		1.0	1634-04-4	Methyl tert-butyl Ether	530	U	U	530	ug/kg	6100-SED09A
BG582ME	Sediment		1.0	75-34-3	1,1-Dichloroethane	530	U	U	530	ug/kg	6100-SED09A
BG582ME	Sediment		1.0	156-59-2	cis-1,2-Dichloroethene	530	U	U	530	ug/kg	6100-SED09A
BG582ME	Sediment		1.0	78-93-3	2-Butanone	1100	U	U	1100	ug/kg	6100-SED09A
BG582ME	Sediment		1.0	74-97-5	Bromochloromethane	530	U	U	530	ug/kg	6100-SED09A
BG582ME	Sediment		1.0	67-66-3	Chloroform	530	U	U	530	ug/kg	6100-SED09A
BG582ME	Sediment		1.0	71-55-6	1,1,1-Trichloroethane	530	U	U	530	ug/kg	6100-SED09A
BG582ME	Sediment		1.0	110-82-7	Cyclohexane	530	U	U	530	ug/kg	6100-SED09A
BG582ME	Sediment		1.0	56-23-5	Carbon tetrachloride	530	U	U	530	ug/kg	6100-SED09A
BG582ME	Sediment		1.0	71-43-2	Benzene	530	U	U	530	ug/kg	6100-SED09A
BG582ME	Sediment		1.0	107-06-2	1,2-Dichloroethane	530	U	U	530	ug/kg	6100-SED09A
BG582ME	Sediment		1.0	79-01-6	Trichloroethene	530	U	U	530	ug/kg	6100-SED09A
BG582ME	Sediment		1.0	108-87-2	Methylcyclohexane	530	U	U	530	ug/kg	6100-SED09A
BG582ME	Sediment		1.0	78-87-5	1,2-Dichloropropane	530	U	U	530	ug/kg	6100-SED09A
BG582ME	Sediment		1.0	75-27-4	Bromodichloromethane	530	U	U	530	ug/kg	6100-SED09A
BG582ME	Sediment		1.0	10061-01-5	cis-1,3-Dichloropropene	530	U	U	530	ug/kg	6100-SED09A
BG582ME	Sediment		1.0	108-10-1	4-Methyl-2-pentanone	1100	U	U	1100	ug/kg	6100-SED09A
BG582ME	Sediment		1.0	108-88-3	Toluene	530	U	U	530	ug/kg	6100-SED09A
BG582ME	Sediment		1.0	10061-02-6	trans-1,3-Dichloropropene	530	U	U	530	ug/kg	6100-SED09A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG582ME	Sediment		1.0	79-00-5	1,1,2-Trichloroethane	530	U	U	530	ug/kg	6100-SED09A
BG582ME	Sediment		1.0	127-18-4	Tetrachloroethene	530	U	U	530	ug/kg	6100-SED09A
BG582ME	Sediment		1.0	591-78-6	2-Hexanone	1100	U	U	1100	ug/kg	6100-SED09A
BG582ME	Sediment		1.0	124-48-1	Dibromochloromethane	530	U	U	530	ug/kg	6100-SED09A
BG582ME	Sediment		1.0	106-93-4	1,2-Dibromoethane	530	U	U	530	ug/kg	6100-SED09A
BG582ME	Sediment		1.0	108-90-7	Chlorobenzene	530	U	U	530	ug/kg	6100-SED09A
BG582ME	Sediment		1.0	100-41-4	Ethylbenzene	530	U	U	530	ug/kg	6100-SED09A
BG582ME	Sediment		1.0	95-47-6	o-Xylene	530	U	U	530	ug/kg	6100-SED09A
BG582ME	Sediment		1.0	179601-23-1	m,p-Xylene	530	U	U	530	ug/kg	6100-SED09A
BG582ME	Sediment		1.0	100-42-5	Styrene	530	U	U	530	ug/kg	6100-SED09A
BG582ME	Sediment		1.0	75-25-2	Bromoform	530	U	U	530	ug/kg	6100-SED09A
BG582ME	Sediment		1.0	98-82-8	Isopropylbenzene	530	U	U	530	ug/kg	6100-SED09A
BG582ME	Sediment		1.0	96-18-4	1,2,3-Trichloropropane	530	U	U	530	ug/kg	6100-SED09A
BG582ME	Sediment		1.0	79-34-5	1,1,2,2-Tetrachloroethane	530	U	U	530	ug/kg	6100-SED09A
BG582ME	Sediment		1.0	541-73-1	1,3-Dichlorobenzene	530	U	U	530	ug/kg	6100-SED09A
BG582ME	Sediment		1.0	106-46-7	1,4-Dichlorobenzene	530	U	U	530	ug/kg	6100-SED09A
BG582ME	Sediment		1.0	95-50-1	1,2-Dichlorobenzene	530	U	U	530	ug/kg	6100-SED09A
BG582ME	Sediment		1.0	96-12-8	1,2-Dibromo-3-chloropropane	530	U	U	530	ug/kg	6100-SED09A
BG582ME	Sediment		1.0	95-63-6	1,2,4-Trimethylbenzene	530	U	U	530	ug/kg	6100-SED09A
BG582ME	Sediment		1.0	108-67-8	1,3,5-Trimethylbenzene	530	U	U	530	ug/kg	6100-SED09A
BG582ME	Sediment		1.0	120-82-1	1,2,4-trichlorobenzene	530	U	U	530	ug/kg	6100-SED09A
BG582ME	Sediment		1.0	87-61-6	1,2,3-Trichlorobenzene	530	U	U	530	ug/kg	6100-SED09A
BG582ME	Sediment		1.0	000138-86-3	Limonene	860	JN	JN		ug/kg	6100-SED09A
BG582ME	Sediment		1.0	unknown-01	unknown-01	260	J	J		ug/kg	6100-SED09A
BG582ME	Sediment		1.0	E966796	Total Alkanes	900	BN	BN		ug/kg	6100-SED09A
BG583	Sediment	04/23/2021	1.0	75-71-8	Dichlorodifluoromethane	11	U	U	11	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	74-87-3	Chloromethane	11	U	UJ	11	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	75-01-4	Vinyl chloride	11	U	U	11	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	74-83-9	Bromomethane	11	U	U	11	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	75-00-3	Chloroethane	11	U	U	11	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	75-69-4	Trichlorofluoromethane	11	U	U	11	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	75-35-4	1,1-Dichloroethene	11	U	UJ	11	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	11	U	U	11	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	67-64-1	Acetone	130		J+	23	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	75-15-0	Carbon disulfide	9.5	J	J	11	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	79-20-9	Methyl Acetate	11	U	U	11	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	75-09-2	Methylene chloride	22	B		11	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	156-60-5	trans-1,2-Dichloroethene	11	U	UJ	11	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	1634-04-4	Methyl tert-butyl Ether	11	U	U	11	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	75-34-3	1,1-Dichloroethane	11	U	U	11	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	156-59-2	cis-1,2-Dichloroethene	11	U	UJ	11	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	78-93-3	2-Butanone	35		J+	23	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	74-97-5	Bromochloromethane	11	U	U	11	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	67-66-3	Chloroform	11	U	U	11	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	71-55-6	1,1,1-Trichloroethane	11	U	U	11	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	110-82-7	Cyclohexane	3.8	J	J	11	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	56-23-5	Carbon tetrachloride	11	U	U	11	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	71-43-2	Benzene	10	J	J	11	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	107-06-2	1,2-Dichloroethane	11	U	U	11	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	79-01-6	Trichloroethene	11	U	U	11	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	108-87-2	Methylcyclohexane	13			11	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	78-87-5	1,2-Dichloropropane	11	U	U	11	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	75-27-4	Bromodichloromethane	11	U	U	11	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	11	U	U	11	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	108-10-1	4-Methyl-2-pentanone	23	U	U	23	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	108-88-3	Toluene	11	JB	U	11	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	11	U	U	11	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	79-00-5	1,1,2-Trichloroethane	11	U	U	11	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	127-18-4	Tetrachloroethene	11	U	U	11	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	591-78-6	2-Hexanone	23	U	U	23	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	124-48-1	Dibromochloromethane	11	U	U	11	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	106-93-4	1,2-Dibromoethane	11	U	U	11	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	108-90-7	Chlorobenzene	3.6	J	J	11	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	100-41-4	Ethylbenzene	23			11	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	95-47-6	o-Xylene	23			11	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	179601-23-1	m,p-Xylene	25			11	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	100-42-5	Styrene	11	U	U	11	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	75-25-2	Bromoform	11	U	UJ	11	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	98-82-8	Isopropylbenzene	15		J+	11	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	96-18-4	1,2,3-Trichloropropane	11	U	UJ	11	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	11	U	U	11	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	541-73-1	1,3-Dichlorobenzene	11	U	UJ	11	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	106-46-7	1,4-Dichlorobenzene	11	U	UJ	11	ug/kg	6100-SED09B

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG583	Sediment	04/23/2021	1.0	95-50-1	1,2-Dichlorobenzene	11	U	UJ	11	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	11	U	UJ	11	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	97		J+	11	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	47		J+	11	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	120-82-1	1,2,4-trichlorobenzene	11	U	UJ	11	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	11	U	UJ	11	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	6100-SED09B
BG583ME	Sediment		1.0	75-71-8	Dichlorodifluoromethane	740	U	U	740	ug/kg	6100-SED09B
BG583ME	Sediment		1.0	74-87-3	Chloromethane	740	U	U	740	ug/kg	6100-SED09B
BG583ME	Sediment		1.0	75-01-4	Vinyl chloride	740	U	U	740	ug/kg	6100-SED09B
BG583ME	Sediment		1.0	74-83-9	Bromomethane	740	U	U	740	ug/kg	6100-SED09B
BG583ME	Sediment		1.0	75-00-3	Chloroethane	740	U	U	740	ug/kg	6100-SED09B
BG583ME	Sediment		1.0	75-69-4	Trichlorofluoromethane	740	U	U	740	ug/kg	6100-SED09B
BG583ME	Sediment		1.0	75-35-4	1,1-Dichloroethene	740	U	U	740	ug/kg	6100-SED09B
BG583ME	Sediment		1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	740	U	U	740	ug/kg	6100-SED09B
BG583ME	Sediment		1.0	67-64-1	Acetone	1500	U	U	1500	ug/kg	6100-SED09B
BG583ME	Sediment		1.0	75-15-0	Carbon disulfide	740	U	U	740	ug/kg	6100-SED09B
BG583ME	Sediment		1.0	79-20-9	Methyl Acetate	740	U	U	740	ug/kg	6100-SED09B
BG583ME	Sediment		1.0	75-09-2	Methylene chloride	740	U	U	740	ug/kg	6100-SED09B
BG583ME	Sediment		1.0	156-60-5	trans-1,2-Dichloroethene	740	U	U	740	ug/kg	6100-SED09B
BG583ME	Sediment		1.0	1634-04-4	Methyl tert-butyl Ether	740	U	U	740	ug/kg	6100-SED09B
BG583ME	Sediment		1.0	75-34-3	1,1-Dichloroethane	740	U	U	740	ug/kg	6100-SED09B
BG583ME	Sediment		1.0	156-59-2	cis-1,2-Dichloroethene	740	U	U	740	ug/kg	6100-SED09B
BG583ME	Sediment		1.0	78-93-3	2-Butanone	1500	U	U	1500	ug/kg	6100-SED09B
BG583ME	Sediment		1.0	74-97-5	Bromochloromethane	740	U	U	740	ug/kg	6100-SED09B
BG583ME	Sediment		1.0	67-66-3	Chloroform	740	U	U	740	ug/kg	6100-SED09B
BG583ME	Sediment		1.0	71-55-6	1,1,1-Trichloroethane	740	U	U	740	ug/kg	6100-SED09B
BG583ME	Sediment		1.0	110-82-7	Cyclohexane	740	U	U	740	ug/kg	6100-SED09B
BG583ME	Sediment		1.0	56-23-5	Carbon tetrachloride	740	U	U	740	ug/kg	6100-SED09B
BG583ME	Sediment		1.0	71-43-2	Benzene	740	U	U	740	ug/kg	6100-SED09B
BG583ME	Sediment		1.0	107-06-2	1,2-Dichloroethane	740	U	U	740	ug/kg	6100-SED09B
BG583ME	Sediment		1.0	79-01-6	Trichloroethene	740	U	U	740	ug/kg	6100-SED09B
BG583ME	Sediment		1.0	108-87-2	Methylcyclohexane	740	U	U	740	ug/kg	6100-SED09B
BG583ME	Sediment		1.0	78-87-5	1,2-Dichloropropane	740	U	U	740	ug/kg	6100-SED09B
BG583ME	Sediment		1.0	75-27-4	Bromodichloromethane	740	U	U	740	ug/kg	6100-SED09B
BG583ME	Sediment		1.0	10061-01-5	cis-1,3-Dichloropropene	740	U	U	740	ug/kg	6100-SED09B
BG583ME	Sediment		1.0	108-10-1	4-Methyl-2-pentanone	1500	U	U	1500	ug/kg	6100-SED09B
BG583ME	Sediment		1.0	108-88-3	Toluene	740	U	U	740	ug/kg	6100-SED09B
BG583ME	Sediment		1.0	10061-02-6	trans-1,3-Dichloropropene	740	U	U	740	ug/kg	6100-SED09B
BG583ME	Sediment		1.0	79-00-5	1,1,2-Trichloroethane	740	U	U	740	ug/kg	6100-SED09B
BG583ME	Sediment		1.0	127-18-4	Tetrachloroethene	740	U	U	740	ug/kg	6100-SED09B
BG583ME	Sediment		1.0	591-78-6	2-Hexanone	1500	U	U	1500	ug/kg	6100-SED09B
BG583ME	Sediment		1.0	124-48-1	Dibromochloromethane	740	U	U	740	ug/kg	6100-SED09B
BG583ME	Sediment		1.0	106-93-4	1,2-Dibromoethane	740	U	U	740	ug/kg	6100-SED09B
BG583ME	Sediment		1.0	108-90-7	Chlorobenzene	740	U	U	740	ug/kg	6100-SED09B
BG583ME	Sediment		1.0	100-41-4	Ethylbenzene	740	U	U	740	ug/kg	6100-SED09B
BG583ME	Sediment		1.0	95-47-6	o-Xylene	740	U	U	740	ug/kg	6100-SED09B
BG583ME	Sediment		1.0	179601-23-1	m,p-Xylene	740	U	U	740	ug/kg	6100-SED09B
BG583ME	Sediment		1.0	100-42-5	Styrene	740	U	U	740	ug/kg	6100-SED09B
BG583ME	Sediment		1.0	75-25-2	Bromoform	740	U	U	740	ug/kg	6100-SED09B
BG583ME	Sediment		1.0	98-82-8	Isopropylbenzene	740	U	U	740	ug/kg	6100-SED09B
BG583ME	Sediment		1.0	96-18-4	1,2,3-Trichloropropane	740	U	U	740	ug/kg	6100-SED09B
BG583ME	Sediment		1.0	79-34-5	1,1,2,2-Tetrachloroethane	740	U	U	740	ug/kg	6100-SED09B
BG583ME	Sediment		1.0	541-73-1	1,3-Dichlorobenzene	740	U	U	740	ug/kg	6100-SED09B
BG583ME	Sediment		1.0	106-46-7	1,4-Dichlorobenzene	740	U	U	740	ug/kg	6100-SED09B
BG583ME	Sediment		1.0	95-50-1	1,2-Dichlorobenzene	740	U	U	740	ug/kg	6100-SED09B
BG583ME	Sediment		1.0	96-12-8	1,2-Dibromo-3-chloropropane	740	U	U	740	ug/kg	6100-SED09B
BG583ME	Sediment		1.0	95-63-6	1,2,4-Trimethylbenzene	740	U	U	740	ug/kg	6100-SED09B
BG583ME	Sediment		1.0	108-67-8	1,3,5-Trimethylbenzene	740	U	U	740	ug/kg	6100-SED09B
BG583ME	Sediment		1.0	120-82-1	1,2,4-trichlorobenzene	740	U	U	740	ug/kg	6100-SED09B
BG583ME	Sediment		1.0	87-61-6	1,2,3-Trichlorobenzene	740	U	U	740	ug/kg	6100-SED09B
BG583ME	Sediment		1.0	E966796	Total Alkanes		N	N		ug/kg	6100-SED09B
BG584	Sediment	04/23/2021	1.0	75-71-8	Dichlorodifluoromethane	7.1	U	U	7.1	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	74-87-3	Chloromethane	7.1	U	UJ	7.1	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	75-01-4	Vinyl chloride	7.1	U	U	7.1	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	74-83-9	Bromomethane	7.1	U	U	7.1	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	75-00-3	Chloroethane	7.1	U	U	7.1	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	75-69-4	Trichlorofluoromethane	7.1	U	UJ	7.1	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	75-35-4	1,1-Dichloroethene	7.1	U	UJ	7.1	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	7.1	U	UJ	7.1	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	67-64-1	Acetone	27			14	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	75-15-0	Carbon disulfide	2.8	J	J	7.1	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	79-20-9	Methyl Acetate	7.1	U	UJ	7.1	ug/kg	6100-SED09C

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG584	Sediment	04/23/2021	1.0	75-09-2	Methylene chloride	10		UJ	7.1	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	156-60-5	trans-1,2-Dichloroethene	7.1	U	UJ	7.1	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	1634-04-4	Methyl tert-butyl Ether	7.1	U	UJ	7.1	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	75-34-3	1,1-Dichloroethane	7.1	U	U	7.1	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	156-59-2	cis-1,2-Dichloroethene	7.1	U	UJ	7.1	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	78-93-3	2-Butanone	14	U	U	14	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	74-97-5	Bromochloromethane	7.1	U	U	7.1	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	67-66-3	Chloroform	7.1	U	U	7.1	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	71-55-6	1,1,1-Trichloroethane	7.1	U	UJ	7.1	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	110-82-7	Cyclohexane	7.1	U	U	7.1	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	56-23-5	Carbon tetrachloride	7.1	U	UJ	7.1	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	71-43-2	Benzene	7.1	U	U	7.1	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	107-06-2	1,2-Dichloroethane	7.1	U	UJ	7.1	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	79-01-6	Trichloroethene	7.1	U	U	7.1	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	108-87-2	Methylcyclohexane	7.1	U	U	7.1	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	78-87-5	1,2-Dichloropropane	7.1	U	U	7.1	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	75-27-4	Bromodichloromethane	7.1	U	U	7.1	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	7.1	U	U	7.1	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	108-10-1	4-Methyl-2-pentanone	14	U	U	14	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	108-88-3	Toluene	7.1	U	U	7.1	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	7.1	U	U	7.1	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	79-00-5	1,1,2-Trichloroethane	7.1	U	U	7.1	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	127-18-4	Tetrachloroethene	7.1	U	U	7.1	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	591-78-6	2-Hexanone	14	U	U	14	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	124-48-1	Dibromochloromethane	7.1	U	U	7.1	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	106-93-4	1,2-Dibromoethane	7.1	U	UJ	7.1	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	108-90-7	Chlorobenzene	7.1	U	UJ	7.1	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	100-41-4	Ethylbenzene	7.1	U	U	7.1	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	95-47-6	o-Xylene	7.1	U	U	7.1	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	179601-23-1	m,p-Xylene	7.1	U	U	7.1	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	100-42-5	Styrene	7.1	U	U	7.1	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	75-25-2	Bromoform	7.1	U	U	7.1	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	98-82-8	Isopropylbenzene	7.1	U	U	7.1	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	96-18-4	1,2,3-Trichloropropane	7.1	U	U	7.1	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	7.1	U	U	7.1	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	541-73-1	1,3-Dichlorobenzene	7.1	U	UJ	7.1	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	106-46-7	1,4-Dichlorobenzene	7.1	U	UJ	7.1	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	95-50-1	1,2-Dichlorobenzene	7.1	U	UJ	7.1	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	7.1	U	U	7.1	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	7.1	U	U	7.1	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	7.1	U	U	7.1	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	120-82-1	1,2,4-trichlorobenzene	7.1	U	UJ	7.1	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	7.1	U	UJ	7.1	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	unknown-01	unknown-01	20	J	J		ug/kg	6100-SED09C
BG585	Sediment	04/26/2021	1.0	75-71-8	Dichlorodifluoromethane	16	U	U	16	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	74-87-3	Chloromethane	16	U	U	16	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	75-01-4	Vinyl chloride	16	U	U	16	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	74-83-9	Bromomethane	16	U	U	16	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	75-00-3	Chloroethane	16	U	U	16	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	75-69-4	Trichlorofluoromethane	16	U	U	16	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	75-35-4	1,1-Dichloroethene	16	U	U	16	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	16	U	U	16	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	67-64-1	Acetone	120			31	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	75-15-0	Carbon disulfide	10	J	J	16	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	79-20-9	Methyl Acetate	16	U	U	16	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	75-09-2	Methylene chloride	25	B		16	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	156-60-5	trans-1,2-Dichloroethene	16	U	U	16	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	1634-04-4	Methyl tert-butyl Ether	20			16	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	75-34-3	1,1-Dichloroethane	16	U	U	16	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	156-59-2	cis-1,2-Dichloroethene	16	U	U	16	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	78-93-3	2-Butanone	31			31	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	74-97-5	Bromochloromethane	16	U	U	16	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	67-66-3	Chloroform	16	U	U	16	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	71-55-6	1,1,1-Trichloroethane	16	U	UJ	16	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	110-82-7	Cyclohexane	3.5	J	J+	16	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	56-23-5	Carbon tetrachloride	16	U	UJ	16	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	71-43-2	Benzene	9.2	J	J+	16	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	107-06-2	1,2-Dichloroethane	16	U	U	16	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	79-01-6	Trichloroethene	16	U	UJ	16	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	108-87-2	Methylcyclohexane	23		J+	16	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	78-87-5	1,2-Dichloropropane	16	U	UJ	16	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	75-27-4	Bromodichloromethane	16	U	UJ	16	ug/kg	6100-SED10A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG585	Sediment	04/26/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	16	U	UJ	16	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	108-10-1	4-Methyl-2-pentanone	31	U	UJ	31	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	108-88-3	Toluene	16	JB	UJ	16	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	16	U	UJ	16	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	79-00-5	1,1,2-Trichloroethane	16	U	UJ	16	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	127-18-4	Tetrachloroethene	16	U	UJ	16	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	591-78-6	2-Hexanone	31	U	UJ	31	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	124-48-1	Dibromochloromethane	16	U	UJ	16	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	106-93-4	1,2-Dibromoethane	16	U	UJ	16	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	108-90-7	Chlorobenzene	4.7	J	J+	16	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	100-41-4	Ethylbenzene	13	J	J+	16	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	95-47-6	o-Xylene	60		J+	16	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	179601-23-1	m,p-Xylene	28		J+	16	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	100-42-5	Styrene	16	U	UJ	16	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	75-25-2	Bromoform	16	U	UJ	16	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	98-82-8	Isopropylbenzene	66		J+	16	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	96-18-4	1,2,3-Trichloropropane	16	U	UJ	16	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	16	U	UJ	16	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	541-73-1	1,3-Dichlorobenzene	16	U	UJ	16	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	106-46-7	1,4-Dichlorobenzene	16	U	UJ	16	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	95-50-1	1,2-Dichlorobenzene	16	U	UJ	16	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	16	U	UJ	16	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	270		J+	16	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	100		J+	16	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	120-82-1	1,2,4-trichlorobenzene	16	U	UJ	16	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	16	U	UJ	16	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	unknown-01	unknown-01	11	J	J		ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	unknown-05	unknown-05	22	J	J		ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	unknown-03	unknown-03	32	J	J		ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	unknown-04	unknown-04	77	J	J		ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	unknown-02	unknown-02	84	J	J		ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	000095-93-2	Benzene, 1,2,4,5-tetramethyl-	160	JN	JN		ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	000874-41-9	Benzene, 1-ethyl-2,4-dimethyl-	38	JN	JN		ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	002958-76-1	Naphthalene, decahydro-2-methyl-	98	JN	JN		ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	005451-52-5	Formic acid, decyl ester	16	JN	JN		ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	1000299-92-1	5-Chlorovaleric acid, 3-pentadecyl	46	JN	JN		ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	1000309-22-7	Sulfurous acid, di(cyclohexylmethy	27	JN	JN		ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	E966796	Total Alkanes	3600	BN	BN		ug/kg	6100-SED10A
BG585ME	Sediment		1.0	75-71-8	Dichlorodifluoromethane	1100	U	U	1100	ug/kg	6100-SED10A
BG585ME	Sediment		1.0	74-87-3	Chloromethane	1100	U	U	1100	ug/kg	6100-SED10A
BG585ME	Sediment		1.0	75-01-4	Vinyl chloride	1100	U	U	1100	ug/kg	6100-SED10A
BG585ME	Sediment		1.0	74-83-9	Bromomethane	1100	U	U	1100	ug/kg	6100-SED10A
BG585ME	Sediment		1.0	75-00-3	Chloroethane	1100	U	U	1100	ug/kg	6100-SED10A
BG585ME	Sediment		1.0	75-69-4	Trichlorofluoromethane	1100	U	U	1100	ug/kg	6100-SED10A
BG585ME	Sediment		1.0	75-35-4	1,1-Dichloroethene	1100	U	U	1100	ug/kg	6100-SED10A
BG585ME	Sediment		1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1100	U	U	1100	ug/kg	6100-SED10A
BG585ME	Sediment		1.0	67-64-1	Acetone	2300	U	U	2300	ug/kg	6100-SED10A
BG585ME	Sediment		1.0	75-15-0	Carbon disulfide	1100	U	U	1100	ug/kg	6100-SED10A
BG585ME	Sediment		1.0	79-20-9	Methyl Acetate	1100	U	U	1100	ug/kg	6100-SED10A
BG585ME	Sediment		1.0	75-09-2	Methylene chloride	1100	U	U	1100	ug/kg	6100-SED10A
BG585ME	Sediment		1.0	156-60-5	trans-1,2-Dichloroethene	1100	U	U	1100	ug/kg	6100-SED10A
BG585ME	Sediment		1.0	1634-04-4	Methyl tert-butyl Ether	1100	U	U	1100	ug/kg	6100-SED10A
BG585ME	Sediment		1.0	75-34-3	1,1-Dichloroethane	1100	U	U	1100	ug/kg	6100-SED10A
BG585ME	Sediment		1.0	156-59-2	cis-1,2-Dichloroethene	1100	U	U	1100	ug/kg	6100-SED10A
BG585ME	Sediment		1.0	78-93-3	2-Butanone	2300	U	U	2300	ug/kg	6100-SED10A
BG585ME	Sediment		1.0	74-97-5	Bromochloromethane	1100	U	U	1100	ug/kg	6100-SED10A
BG585ME	Sediment		1.0	67-66-3	Chloroform	1100	U	U	1100	ug/kg	6100-SED10A
BG585ME	Sediment		1.0	71-55-6	1,1,1-Trichloroethane	1100	U	U	1100	ug/kg	6100-SED10A
BG585ME	Sediment		1.0	110-82-7	Cyclohexane	1100	U	U	1100	ug/kg	6100-SED10A
BG585ME	Sediment		1.0	56-23-5	Carbon tetrachloride	1100	U	U	1100	ug/kg	6100-SED10A
BG585ME	Sediment		1.0	71-43-2	Benzene	1100	U	U	1100	ug/kg	6100-SED10A
BG585ME	Sediment		1.0	107-06-2	1,2-Dichloroethane	1100	U	U	1100	ug/kg	6100-SED10A
BG585ME	Sediment		1.0	79-01-6	Trichloroethene	1100	U	U	1100	ug/kg	6100-SED10A
BG585ME	Sediment		1.0	108-87-2	Methylcyclohexane	1100	U	U	1100	ug/kg	6100-SED10A
BG585ME	Sediment		1.0	78-87-5	1,2-Dichloropropane	1100	U	U	1100	ug/kg	6100-SED10A
BG585ME	Sediment		1.0	75-27-4	Bromodichloromethane	1100	U	U	1100	ug/kg	6100-SED10A
BG585ME	Sediment		1.0	10061-01-5	cis-1,3-Dichloropropene	1100	U	U	1100	ug/kg	6100-SED10A
BG585ME	Sediment		1.0	108-10-1	4-Methyl-2-pentanone	2300	U	U	2300	ug/kg	6100-SED10A
BG585ME	Sediment		1.0	108-88-3	Toluene	1100	U	U	1100	ug/kg	6100-SED10A
BG585ME	Sediment		1.0	10061-02-6	trans-1,3-Dichloropropene	1100	U	U	1100	ug/kg	6100-SED10A
BG585ME	Sediment		1.0	79-00-5	1,1,2-Trichloroethane	1100	U	U	1100	ug/kg	6100-SED10A
BG585ME	Sediment		1.0	127-18-4	Tetrachloroethene	1100	U	U	1100	ug/kg	6100-SED10A
BG585ME	Sediment		1.0	591-78-6	2-Hexanone	2300	U	U	2300	ug/kg	6100-SED10A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG585ME	Sediment		1.0	124-48-1	Dibromochloromethane	1100	U	U	1100	ug/kg	6100-SED10A
BG585ME	Sediment		1.0	106-93-4	1,2-Dibromoethane	1100	U	U	1100	ug/kg	6100-SED10A
BG585ME	Sediment		1.0	108-90-7	Chlorobenzene	1100	U	U	1100	ug/kg	6100-SED10A
BG585ME	Sediment		1.0	100-41-4	Ethylbenzene	1100	U	U	1100	ug/kg	6100-SED10A
BG585ME	Sediment		1.0	95-47-6	o-Xylene	1100	U	U	1100	ug/kg	6100-SED10A
BG585ME	Sediment		1.0	179601-23-1	m,p-Xylene	1100	U	U	1100	ug/kg	6100-SED10A
BG585ME	Sediment		1.0	100-42-5	Styrene	1100	U	U	1100	ug/kg	6100-SED10A
BG585ME	Sediment		1.0	75-25-2	Bromoform	1100	U	U	1100	ug/kg	6100-SED10A
BG585ME	Sediment		1.0	98-82-8	Isopropylbenzene	1100	U	U	1100	ug/kg	6100-SED10A
BG585ME	Sediment		1.0	96-18-4	1,2,3-Trichloropropane	1100	U	U	1100	ug/kg	6100-SED10A
BG585ME	Sediment		1.0	79-34-5	1,1,2,2-Tetrachloroethane	1100	U	U	1100	ug/kg	6100-SED10A
BG585ME	Sediment		1.0	541-73-1	1,3-Dichlorobenzene	1100	U	U	1100	ug/kg	6100-SED10A
BG585ME	Sediment		1.0	106-46-7	1,4-Dichlorobenzene	1100	U	U	1100	ug/kg	6100-SED10A
BG585ME	Sediment		1.0	95-50-1	1,2-Dichlorobenzene	1100	U	U	1100	ug/kg	6100-SED10A
BG585ME	Sediment		1.0	96-12-8	1,2-Dibromo-3-chloropropane	1100	U	U	1100	ug/kg	6100-SED10A
BG585ME	Sediment		1.0	95-63-6	1,2,4-Trimethylbenzene	760	J	J	1100	ug/kg	6100-SED10A
BG585ME	Sediment		1.0	108-67-8	1,3,5-Trimethylbenzene	260	J	J	1100	ug/kg	6100-SED10A
BG585ME	Sediment		1.0	120-82-1	1,2,4-trichlorobenzene	1100	U	U	1100	ug/kg	6100-SED10A
BG585ME	Sediment		1.0	87-61-6	1,2,3-Trichlorobenzene	1100	U	U	1100	ug/kg	6100-SED10A
BG585ME	Sediment		1.0	000090-12-0	Naphthalene, 1-methyl-	7500	JN	JN		ug/kg	6100-SED10A
BG585ME	Sediment		1.0	000488-23-3	Benzene, 1,2,3,4-tetramethyl-	2400	JN	JN		ug/kg	6100-SED10A
BG585ME	Sediment		1.0	000527-84-4	o-Cymene	2700	JN	JN		ug/kg	6100-SED10A
BG585ME	Sediment		1.0	000575-41-7	Naphthalene, 1,3-dimethyl-	3800	JN	JN		ug/kg	6100-SED10A
BG585ME	Sediment		1.0	000581-40-8	Naphthalene, 2,3-dimethyl-	1000	JN	JN		ug/kg	6100-SED10A
BG585ME	Sediment		1.0	000824-90-8	1-Phenyl-1-butene	980	JN	JN		ug/kg	6100-SED10A
BG585ME	Sediment		1.0	001595-16-0	Benzene, 1-methyl-4-(1-methylpropy	670	JN	JN		ug/kg	6100-SED10A
BG585ME	Sediment		1.0	002783-26-8	2-Tolyloxirane	1100	JN	JN		ug/kg	6100-SED10A
BG585ME	Sediment		1.0	056253-64-6	Benzene, (2-methyl-1-butenyl)-	2400	JN	JN		ug/kg	6100-SED10A
BG585ME	Sediment		1.0	E966796	Total Alkanes	3900	BN	BN		ug/kg	6100-SED10A
BG585ME	Sediment		1.0	unknown-01	unknown-01	1400	J	J		ug/kg	6100-SED10A
BG585ME	Sediment		1.0	000575-43-9	Naphthalene, 1,6-dimethyl-	4200	JN	JN		ug/kg	6100-SED10A
BG586	Sediment	04/26/2021	1.0	75-71-8	Dichlorodifluoromethane	11	U	U	11	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	74-87-3	Chloromethane	11	U	UJ	11	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	75-01-4	Vinyl chloride	11	U	U	11	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	74-83-9	Bromomethane	11	U	U	11	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	75-00-3	Chloroethane	11	U	U	11	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	75-69-4	Trichlorofluoromethane	11	U	U	11	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	75-35-4	1,1-Dichloroethene	11	U	UJ	11	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	11	U	U	11	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	67-64-1	Acetone	26			22	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	75-15-0	Carbon disulfide	5.0	J	J	11	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	79-20-9	Methyl Acetate	11	U	U	11	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	75-09-2	Methylene chloride	22	B		11	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	156-60-5	trans-1,2-Dichloroethene	11	U	UJ	11	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	1634-04-4	Methyl tert-butyl Ether	11	U	U	11	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	75-34-3	1,1-Dichloroethane	11	U	U	11	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	156-59-2	cis-1,2-Dichloroethene	11	U	UJ	11	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	78-93-3	2-Butanone	22	U	U	22	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	74-97-5	Bromochloromethane	11	U	U	11	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	67-66-3	Chloroform	11	U	U	11	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	71-55-6	1,1,1-Trichloroethane	11	U	U	11	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	110-82-7	Cyclohexane	11	U	U	11	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	56-23-5	Carbon tetrachloride	11	U	U	11	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	71-43-2	Benzene	11	U	U	11	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	107-06-2	1,2-Dichloroethane	11	U	U	11	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	79-01-6	Trichloroethene	11	U	U	11	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	108-87-2	Methylcyclohexane	11	U	U	11	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	78-87-5	1,2-Dichloropropane	11	U	U	11	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	75-27-4	Bromodichloromethane	11	U	U	11	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	11	U	U	11	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	108-10-1	4-Methyl-2-pentanone	22	U	U	22	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	108-88-3	Toluene	11	U	U	11	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	11	U	U	11	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	79-00-5	1,1,2-Trichloroethane	11	U	U	11	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	127-18-4	Tetrachloroethene	11	U	U	11	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	591-78-6	2-Hexanone	22	U	U	22	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	124-48-1	Dibromochloromethane	11	U	U	11	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	106-93-4	1,2-Dibromoethane	11	U	U	11	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	108-90-7	Chlorobenzene	11	U	U	11	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	100-41-4	Ethylbenzene	11	U	U	11	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	95-47-6	o-Xylene	11	U	U	11	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	179601-23-1	m,p-Xylene	11	U	U	11	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	100-42-5	Styrene	11	U	U	11	ug/kg	6100-SED10B

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG586	Sediment	04/26/2021	1.0	75-25-2	Bromoform	11	U	U	11	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	98-82-8	Isopropylbenzene	11	U	U	11	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	96-18-4	1,2,3-Trichloropropane	11	U	U	11	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	11	U	U	11	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	541-73-1	1,3-Dichlorobenzene	11	U	U	11	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	106-46-7	1,4-Dichlorobenzene	11	U	U	11	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	95-50-1	1,2-Dichlorobenzene	11	U	U	11	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	11	U	U	11	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	11	U	U	11	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	11	U	U	11	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	120-82-1	1,2,4-trichlorobenzene	11	U	U	11	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	11	U	U	11	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	066563-30-2	Bacchotricuneatin c	13	JN	JN		ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	000581-42-0	Naphthalene, 2,6-dimethyl-	19	JN	JN		ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	E966796	Total Alkanes	53	BN	BN		ug/kg	6100-SED10B
BG587	Sediment	04/26/2021	1.0	75-71-8	Dichlorodifluoromethane	7.3	U	U	7.3	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	74-87-3	Chloromethane	7.3	U	UJ	7.3	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	75-01-4	Vinyl chloride	7.3	U	U	7.3	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	74-83-9	Bromomethane	7.3	U	U	7.3	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	75-00-3	Chloroethane	7.3	U	U	7.3	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	75-69-4	Trichlorofluoromethane	7.3	U	U	7.3	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	75-35-4	1,1-Dichloroethene	7.3	U	UJ	7.3	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	7.3	U	U	7.3	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	67-64-1	Acetone	290		J+	15	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	75-15-0	Carbon disulfide	10			7.3	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	79-20-9	Methyl Acetate	7.3	U	U	7.3	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	75-09-2	Methylene chloride	20	B		7.3	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	156-60-5	trans-1,2-Dichloroethene	7.3	U	UJ	7.3	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	1634-04-4	Methyl tert-butyl Ether	1.4	J	J	7.3	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	75-34-3	1,1-Dichloroethane	7.3	U	U	7.3	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	156-59-2	cis-1,2-Dichloroethene	7.3	U	UJ	7.3	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	78-93-3	2-Butanone	82		J+	15	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	74-97-5	Bromochloromethane	7.3	U	U	7.3	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	67-66-3	Chloroform	7.3	U	U	7.3	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	71-55-6	1,1,1-Trichloroethane	7.3	U	U	7.3	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	110-82-7	Cyclohexane	7.2	J	J+	7.3	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	56-23-5	Carbon tetrachloride	7.3	U	U	7.3	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	71-43-2	Benzene	3.7	J	J	7.3	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	107-06-2	1,2-Dichloroethane	7.3	U	U	7.3	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	79-01-6	Trichloroethene	7.3	U	U	7.3	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	108-87-2	Methylcyclohexane	41		J+	7.3	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	78-87-5	1,2-Dichloropropane	7.3	U	U	7.3	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	75-27-4	Bromodichloromethane	7.3	U	U	7.3	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	7.3	U	U	7.3	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	108-10-1	4-Methyl-2-pentanone	15	U	U	15	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	108-88-3	Toluene	7.3	JB	U	7.3	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	7.3	U	U	7.3	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	79-00-5	1,1,2-Trichloroethane	7.3	U	U	7.3	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	127-18-4	Tetrachloroethene	7.3	U	U	7.3	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	591-78-6	2-Hexanone	15	U	U	15	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	124-48-1	Dibromochloromethane	7.3	U	U	7.3	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	106-93-4	1,2-Dibromoethane	7.3	U	U	7.3	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	108-90-7	Chlorobenzene	7.3	U	U	7.3	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	100-41-4	Ethylbenzene	7.5			7.3	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	95-47-6	o-Xylene	28			7.3	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	179601-23-1	m,p-Xylene	17			7.3	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	100-42-5	Styrene	7.3	U	U	7.3	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	75-25-2	Bromoform	7.3	U	U	7.3	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	98-82-8	Isopropylbenzene	7.6			7.3	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	96-18-4	1,2,3-Trichloropropane	7.3	U	U	7.3	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	7.3	U	U	7.3	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	541-73-1	1,3-Dichlorobenzene	7.3	U	U	7.3	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	106-46-7	1,4-Dichlorobenzene	7.3	U	U	7.3	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	95-50-1	1,2-Dichlorobenzene	7.3	U	U	7.3	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	7.3	U	U	7.3	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	190			7.3	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	32			7.3	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	120-82-1	1,2,4-trichlorobenzene	7.3	U	U	7.3	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	7.3	U	U	7.3	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	007664-80-4	Octyl thioglycolate	14	JN	JN		ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	016608-68-7	2-Butene, 3-chloro-1-phenyl-, (Z)-	13	JN	JN		ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	065378-76-9	1,2,4,4-Tetramethylcyclopentene	8.2	JN	JN		ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	1000309-68-4	Oxalic acid, cyclohexylmethyl octy	11	JN	JN		ug/kg	6100-SED10C

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG587	Sediment	04/26/2021	1.0	121983-36-6	Pyrazol-4-amine, 1,5-dimethyl-	18	JN	JN		ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	006682-71-9	1H-Indene, 2,3-dihydro-4,7-dimethy	15	JN	JN		ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	004218-48-8	Benzene, 1-ethyl-4-(1-methylethyl)	10	JN	JN		ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	002958-76-1	Naphthalene, decahydro-2-methyl-	32	JN	JN		ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	001117-59-5	Hexyl n-valerate	51	JN	JN		ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	000934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	11	JN	JN		ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	000934-74-7	Benzene, 1-ethyl-3,5-dimethyl-	11	JN	JN		ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	000874-41-9	Benzene, 1-ethyl-2,4-dimethyl-	28	JN	JN		ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	unknown-03	unknown-03	21	J	J		ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	unknown-02	unknown-02	14	J	J		ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	unknown-04	unknown-04	6.7	J	J		ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	E966796	Total Alkanes	2100	BN	BN		ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	unknown-01	unknown-01	5.4	J	J		ug/kg	6100-SED10C
BG588	Sediment	04/26/2021	1.0	75-71-8	Dichlorodifluoromethane	4.5	U	U	4.5	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	74-87-3	Chloromethane	4.5	U	U	4.5	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	75-01-4	Vinyl chloride	4.5	U	U	4.5	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	74-83-9	Bromomethane	4.5	U	U	4.5	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	75-00-3	Chloroethane	4.5	U	U	4.5	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	75-69-4	Trichlorofluoromethane	4.5	U	U	4.5	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	75-35-4	1,1-Dichloroethene	4.5	U	U	4.5	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	4.5	U	U	4.5	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	67-64-1	Acetone	9.9			9.1	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	75-15-0	Carbon disulfide	1.8	J	J	4.5	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	79-20-9	Methyl Acetate	4.5	U	U	4.5	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	75-09-2	Methylene chloride	8.1	B	U	4.5	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	156-60-5	trans-1,2-Dichloroethene	4.5	U	U	4.5	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	1634-04-4	Methyl tert-butyl Ether	4.5	U	U	4.5	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	75-34-3	1,1-Dichloroethane	4.5	U	U	4.5	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	156-59-2	cis-1,2-Dichloroethene	4.5	U	U	4.5	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	78-93-3	2-Butanone	9.1	U	U	9.1	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	74-97-5	Bromochloromethane	4.5	U	U	4.5	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	67-66-3	Chloroform	4.5	U	U	4.5	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	71-55-6	1,1,1-Trichloroethane	4.5	U	U	4.5	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	110-82-7	Cyclohexane	4.5	U	U	4.5	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	56-23-5	Carbon tetrachloride	4.5	U	U	4.5	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	71-43-2	Benzene	4.5	U	U	4.5	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	107-06-2	1,2-Dichloroethane	4.5	U	U	4.5	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	79-01-6	Trichloroethene	4.5	U	U	4.5	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	108-87-2	Methylcyclohexane	4.5	U	U	4.5	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	78-87-5	1,2-Dichloropropane	4.5	U	U	4.5	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	75-27-4	Bromodichloromethane	4.5	U	U	4.5	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	4.5	U	U	4.5	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	108-10-1	4-Methyl-2-pentanone	9.1	U	U	9.1	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	108-88-3	Toluene	4.5	JB	U	4.5	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	4.5	U	U	4.5	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	79-00-5	1,1,2-Trichloroethane	4.5	U	U	4.5	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	127-18-4	Tetrachloroethene	4.5	U	U	4.5	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	591-78-6	2-Hexanone	9.1	U	U	9.1	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	124-48-1	Dibromochloromethane	4.5	U	U	4.5	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	106-93-4	1,2-Dibromoethane	4.5	U	U	4.5	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	108-90-7	Chlorobenzene	4.5	U	U	4.5	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	100-41-4	Ethylbenzene	4.5	U	U	4.5	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	95-47-6	o-Xylene	4.5	U	U	4.5	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	179601-23-1	m,p-Xylene	4.5	U	U	4.5	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	100-42-5	Styrene	4.5	U	U	4.5	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	75-25-2	Bromoform	4.5	U	U	4.5	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	98-82-8	Isopropylbenzene	4.5	U	U	4.5	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	96-18-4	1,2,3-Trichloropropane	4.5	U	U	4.5	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	4.5	U	U	4.5	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	541-73-1	1,3-Dichlorobenzene	4.5	U	U	4.5	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	106-46-7	1,4-Dichlorobenzene	4.5	U	U	4.5	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	95-50-1	1,2-Dichlorobenzene	4.5	U	U	4.5	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	4.5	U	U	4.5	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	4.5	U	U	4.5	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	4.5	U	U	4.5	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	120-82-1	1,2,4-trichlorobenzene	4.5	U	U	4.5	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	4.5	U	U	4.5	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	unknown-01	unknown-01	2.3	J	J		ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	6100-SED11A
BG589	Sediment	04/26/2021	1.0	75-71-8	Dichlorodifluoromethane	5.6	U	U	5.6	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	74-87-3	Chloromethane	5.6	U	UJ	5.6	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	75-01-4	Vinyl chloride	5.6	U	U	5.6	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	74-83-9	Bromomethane	5.6	U	U	5.6	ug/kg	6100-SED11B

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG589	Sediment	04/26/2021	1.0	75-00-3	Chloroethane	5.6	U	U	5.6	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	75-69-4	Trichlorofluoromethane	5.6	U	U	5.6	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	75-35-4	1,1-Dichloroethene	5.6	U	UJ	5.6	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.6	U	U	5.6	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	67-64-1	Acetone	20			11	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	75-15-0	Carbon disulfide	2.3	J	J	5.6	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	79-20-9	Methyl Acetate	5.6	U	U	5.6	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	75-09-2	Methylene chloride	13	B		5.6	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	156-60-5	trans-1,2-Dichloroethene	5.6	U	UJ	5.6	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	1634-04-4	Methyl tert-butyl Ether	5.6	U	U	5.6	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	75-34-3	1,1-Dichloroethane	5.6	U	U	5.6	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	156-59-2	cis-1,2-Dichloroethene	5.6	U	UJ	5.6	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	78-93-3	2-Butanone	11	U	U	11	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	74-97-5	Bromochloromethane	5.6	U	U	5.6	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	67-66-3	Chloroform	5.6	U	U	5.6	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	71-55-6	1,1,1-Trichloroethane	5.6	U	U	5.6	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	110-82-7	Cyclohexane	5.6	U	U	5.6	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	56-23-5	Carbon tetrachloride	5.6	U	U	5.6	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	71-43-2	Benzene	5.6	U	U	5.6	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	107-06-2	1,2-Dichloroethane	5.6	U	U	5.6	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	79-01-6	Trichloroethene	5.6	U	U	5.6	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	108-87-2	Methylcyclohexane	5.6	U	U	5.6	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	78-87-5	1,2-Dichloropropane	5.6	U	U	5.6	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	75-27-4	Bromodichloromethane	5.6	U	U	5.6	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	5.6	U	U	5.6	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	108-10-1	4-Methyl-2-pentanone	11	U	U	11	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	108-88-3	Toluene	5.6	U	U	5.6	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	5.6	U	U	5.6	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	79-00-5	1,1,2-Trichloroethane	5.6	U	U	5.6	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	127-18-4	Tetrachloroethene	5.6	U	U	5.6	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	591-78-6	2-Hexanone	11	U	U	11	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	124-48-1	Dibromochloromethane	5.6	U	U	5.6	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	106-93-4	1,2-Dibromoethane	5.6	U	U	5.6	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	108-90-7	Chlorobenzene	5.6	U	U	5.6	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	100-41-4	Ethylbenzene	5.6	U	U	5.6	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	95-47-6	o-Xylene	5.6	U	U	5.6	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	179601-23-1	m,p-Xylene	5.6	U	U	5.6	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	100-42-5	Styrene	5.6	U	U	5.6	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	75-25-2	Bromoform	5.6	U	U	5.6	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	98-82-8	Isopropylbenzene	5.6	U	U	5.6	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	96-18-4	1,2,3-Trichloropropane	5.6	U	U	5.6	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.6	U	U	5.6	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	541-73-1	1,3-Dichlorobenzene	5.6	U	U	5.6	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	106-46-7	1,4-Dichlorobenzene	5.6	U	U	5.6	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	95-50-1	1,2-Dichlorobenzene	5.6	U	U	5.6	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.6	U	U	5.6	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	5.6	U	U	5.6	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	5.6	U	U	5.6	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	120-82-1	1,2,4-trichlorobenzene	5.6	U	U	5.6	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	5.6	U	U	5.6	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	000702-79-4	Adamantane, 1,3-dimethyl-	5.5	JN	JN		ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	unknown-03	unknown-03	6.2	J	J		ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	E966796	Total Alkanes	8.5	BN	BN		ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	unknown-02	unknown-02	3.4	J	J		ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	000768-90-1	1-Bromoadamantane	5.4	JN	JN		ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	003789-85-3	Benzoic acid, 2-[(trimethylsilyl)o	8.6	JN	JN		ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	035599-77-0	Tridecane, 1-iodo-	5.3	JN	JN		ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	unknown-01	unknown-01	3.8	J	J		ug/kg	6100-SED11B
BG590	Sediment	04/26/2021	1.0	75-71-8	Dichlorodifluoromethane	6.1	U	U	6.1	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	74-87-3	Chloromethane	6.1	U	U	6.1	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	75-01-4	Vinyl chloride	6.1	U	U	6.1	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	74-83-9	Bromomethane	6.1	U	U	6.1	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	75-00-3	Chloroethane	6.1	U	U	6.1	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	75-69-4	Trichlorofluoromethane	6.1	U	U	6.1	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	75-35-4	1,1-Dichloroethene	6.1	U	U	6.1	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6.1	U	U	6.1	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	67-64-1	Acetone	29			12	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	75-15-0	Carbon disulfide	1.4	J	J	6.1	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	79-20-9	Methyl Acetate	6.1	U	U	6.1	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	75-09-2	Methylene chloride	7.4		U	6.1	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	156-60-5	trans-1,2-Dichloroethene	6.1	U	U	6.1	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	1634-04-4	Methyl tert-butyl Ether	6.1	U	U	6.1	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	75-34-3	1,1-Dichloroethane	6.1	U	U	6.1	ug/kg	6100-SED11C

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG590	Sediment	04/26/2021	1.0	156-59-2	cis-1,2-Dichloroethene	6.1	U	U	6.1	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	78-93-3	2-Butanone	12	U	U	12	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	74-97-5	Bromochloromethane	6.1	U	U	6.1	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	67-66-3	Chloroform	6.1	U	U	6.1	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	71-55-6	1,1,1-Trichloroethane	6.1	U	U	6.1	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	110-82-7	Cyclohexane	6.1	U	U	6.1	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	56-23-5	Carbon tetrachloride	6.1	U	U	6.1	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	71-43-2	Benzene	6.1	U	U	6.1	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	107-06-2	1,2-Dichloroethane	6.1	U	U	6.1	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	79-01-6	Trichloroethene	6.1	U	U	6.1	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	108-87-2	Methylcyclohexane	6.1	U	U	6.1	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	78-87-5	1,2-Dichloropropane	6.1	U	U	6.1	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	75-27-4	Bromodichloromethane	6.1	U	U	6.1	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	6.1	U	U	6.1	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	108-10-1	4-Methyl-2-pentanone	12	U	U	12	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	108-88-3	Toluene	6.1	JB	U	6.1	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	6.1	U	U	6.1	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	79-00-5	1,1,2-Trichloroethane	6.1	U	U	6.1	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	127-18-4	Tetrachloroethene	6.1	U	U	6.1	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	591-78-6	2-Hexanone	12	U	U	12	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	124-48-1	Dibromochloromethane	6.1	U	U	6.1	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	106-93-4	1,2-Dibromoethane	6.1	U	U	6.1	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	108-90-7	Chlorobenzene	6.1	U	U	6.1	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	100-41-4	Ethylbenzene	6.1	U	U	6.1	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	95-47-6	o-Xylene	6.1	U	U	6.1	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	179601-23-1	m,p-Xylene	6.1	U	U	6.1	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	100-42-5	Styrene	6.1	U	U	6.1	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	75-25-2	Bromoform	6.1	U	U	6.1	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	98-82-8	Isopropylbenzene	6.1	U	U	6.1	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	96-18-4	1,2,3-Trichloropropane	6.1	U	U	6.1	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	6.1	U	U	6.1	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	541-73-1	1,3-Dichlorobenzene	6.1	U	U	6.1	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	106-46-7	1,4-Dichlorobenzene	6.1	U	U	6.1	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	95-50-1	1,2-Dichlorobenzene	6.1	U	U	6.1	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	6.1	U	U	6.1	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	6.1	U	U	6.1	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	6.1	U	U	6.1	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	120-82-1	1,2,4-trichlorobenzene	6.1	U	U	6.1	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	6.1	U	U	6.1	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	unknown-07	unknown-07	53	J	J		ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	unknown-01	unknown-01	17	J	J		ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	unknown-09	unknown-09	97	J	J		ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	unknown-02	unknown-02	110	J	J		ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	unknown-03	unknown-03	110	J	J		ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	unknown-05	unknown-05	120	J	J		ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	unknown-08	unknown-08	160	J	J		ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	unknown-04	unknown-04	450	J	J		ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	000071-36-3	1-Butanol	3.3	JN	JN		ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	000766-53-0	Bicyclo[2.2.2]octane, 2-methyl-	56	JN	JN		ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	002958-75-0	1-Methyldecahydronaphthalene	240	JN	JN		ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	002958-76-1	Naphthalene, decahydro-2-methyl-	340	JN	JN		ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	004551-51-3	1H-Indene, octahydro-, cis-	110	JN	JN		ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	004751-49-9	Heptanedioic acid, 4-methyl-, dime	98	JN	JN		ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	005989-27-5	D-Limonene	450	JN	JN		ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	029800-45-1	Spiro[3.5]nonan-1-one	7.8	JN	JN		ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	039746-31-1	3a,7a-Epoxy-1H-inden-4(5H)-one, te	40	JN	JN		ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	055794-45-1	1,4-Cyclooctanedione	18	JN	JN		ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	066660-43-3	trans, cis-3-Ethylbicyclo[4.4.0]de	190	JN	JN		ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	074764-47-9	Cyclopentane, 1-methyl-1-(2-methyl-2-propenyl)-	8.5	JN	JN		ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	074793-36-5	Zinc, bis[2-(1,1-dimethylethyl)-3,	140	JN	JN		ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	1000282-69-7	Methoxyacetic acid, 2-ethylcyclohe	61	JN	JN		ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	1000306-78-7	Glycine, furan-2-yl-methyl ester	490	JN	JN		ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	1000309-21-8	Sulfurous acid, cyclohexylmethyl n	92	JN	JN		ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	1000309-39-3	Oxalic acid, decyl 2-ethylhexyl es	210	JN	JN		ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	E966796	Total Alkanes	1100	BN	BN		ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	unknown-06	unknown-06	260	J	J		ug/kg	6100-SED11C
BG591	Sediment	04/26/2021	1.0	75-71-8	Dichlorodifluoromethane	6.3	U	U	6.3	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	74-87-3	Chloromethane	6.3	U	U	6.3	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	75-01-4	Vinyl chloride	6.3	U	U	6.3	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	74-83-9	Bromomethane	6.3	U	U	6.3	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	75-00-3	Chloroethane	6.3	U	U	6.3	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	75-69-4	Trichlorofluoromethane	6.3	U	U	6.3	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	75-35-4	1,1-Dichloroethene	6.3	U	U	6.3	ug/kg	6100-SED12A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG591	Sediment	04/26/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6.3	U	U	6.3	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	67-64-1	Acetone	26			13	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	75-15-0	Carbon disulfide	8.3			6.3	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	79-20-9	Methyl Acetate	6.3	U	U	6.3	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	75-09-2	Methylene chloride	8.1	B	U	6.3	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	156-60-5	trans-1,2-Dichloroethene	6.3	U	U	6.3	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	1634-04-4	Methyl tert-butyl Ether	6.3	U	U	6.3	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	75-34-3	1,1-Dichloroethane	6.3	U	U	6.3	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	156-59-2	cis-1,2-Dichloroethene	6.3	U	U	6.3	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	78-93-3	2-Butanone	13	U	U	13	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	74-97-5	Bromochloromethane	6.3	U	U	6.3	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	67-66-3	Chloroform	6.3	U	U	6.3	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	71-55-6	1,1,1-Trichloroethane	6.3	U	U	6.3	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	110-82-7	Cyclohexane	6.3	U	U	6.3	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	56-23-5	Carbon tetrachloride	6.3	U	U	6.3	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	71-43-2	Benzene	6.3	U	U	6.3	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	107-06-2	1,2-Dichloroethane	6.3	U	U	6.3	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	79-01-6	Trichloroethene	6.3	U	U	6.3	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	108-87-2	Methylcyclohexane	6.3	U	U	6.3	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	78-87-5	1,2-Dichloropropane	6.3	U	U	6.3	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	75-27-4	Bromodichloromethane	6.3	U	U	6.3	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	6.3	U	U	6.3	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	108-10-1	4-Methyl-2-pentanone	13	U	U	13	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	108-88-3	Toluene	6.3	JB	U	6.3	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	6.3	U	U	6.3	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	79-00-5	1,1,2-Trichloroethane	6.3	U	U	6.3	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	127-18-4	Tetrachloroethene	6.3	U	U	6.3	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	591-78-6	2-Hexanone	13	U	U	13	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	124-48-1	Dibromochloromethane	6.3	U	U	6.3	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	106-93-4	1,2-Dibromoethane	6.3	U	U	6.3	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	108-90-7	Chlorobenzene	6.3	U	U	6.3	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	100-41-4	Ethylbenzene	6.3	U	U	6.3	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	95-47-6	o-Xylene	6.3	U	U	6.3	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	179601-23-1	m,p-Xylene	6.3	U	U	6.3	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	100-42-5	Styrene	6.3	U	U	6.3	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	75-25-2	Bromoform	6.3	U	U	6.3	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	98-82-8	Isopropylbenzene	6.3	U	U	6.3	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	96-18-4	1,2,3-Trichloropropane	6.3	U	U	6.3	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	6.3	U	U	6.3	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	541-73-1	1,3-Dichlorobenzene	6.3	U	U	6.3	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	106-46-7	1,4-Dichlorobenzene	4.3	J	J	6.3	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	95-50-1	1,2-Dichlorobenzene	1.4	J	J	6.3	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	6.3	U	U	6.3	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	6.3	U	U	6.3	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	6.3	U	U	6.3	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	120-82-1	1,2,4-trichlorobenzene	6.3	U	U	6.3	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	6.3	U	U	6.3	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	6100-SED12A
BG592	Sediment	04/26/2021	1.0	75-71-8	Dichlorodifluoromethane	5.7	U	U	5.7	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	74-87-3	Chloromethane	5.7	U	U	5.7	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	75-01-4	Vinyl chloride	5.7	U	U	5.7	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	74-83-9	Bromomethane	5.7	U	U	5.7	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	75-00-3	Chloroethane	5.7	U	U	5.7	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	75-69-4	Trichlorofluoromethane	5.7	U	U	5.7	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	75-35-4	1,1-Dichloroethene	5.7	U	U	5.7	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.7	U	U	5.7	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	67-64-1	Acetone	46			11	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	75-15-0	Carbon disulfide	5.4	J	J	5.7	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	79-20-9	Methyl Acetate	5.7	U	U	5.7	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	75-09-2	Methylene chloride	6.5	B	U	5.7	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	156-60-5	trans-1,2-Dichloroethene	5.7	U	U	5.7	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	1634-04-4	Methyl tert-butyl Ether	5.7	U	U	5.7	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	75-34-3	1,1-Dichloroethane	5.7	U	U	5.7	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	156-59-2	cis-1,2-Dichloroethene	5.7	U	U	5.7	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	78-93-3	2-Butanone	11			11	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	74-97-5	Bromochloromethane	5.7	U	U	5.7	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	67-66-3	Chloroform	5.7	U	U	5.7	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	71-55-6	1,1,1-Trichloroethane	5.7	U	U	5.7	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	110-82-7	Cyclohexane	0.77	J	J	5.7	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	56-23-5	Carbon tetrachloride	5.7	U	U	5.7	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	71-43-2	Benzene	5.7	U	U	5.7	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	107-06-2	1,2-Dichloroethane	5.7	U	U	5.7	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	79-01-6	Trichloroethene	5.7	U	U	5.7	ug/kg	6100-SED12B

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG592	Sediment	04/26/2021	1.0	108-87-2	Methylcyclohexane	1.4	J	J	5.7	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	78-87-5	1,2-Dichloropropane	5.7	U	U	5.7	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	75-27-4	Bromodichloromethane	5.7	U	U	5.7	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	5.7	U	U	5.7	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	108-10-1	4-Methyl-2-pentanone	11	U	U	11	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	108-88-3	Toluene	5.7	JB	U	5.7	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	5.7	U	U	5.7	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	79-00-5	1,1,2-Trichloroethane	5.7	U	U	5.7	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	127-18-4	Tetrachloroethene	5.7	U	U	5.7	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	591-78-6	2-Hexanone	11	U	U	11	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	124-48-1	Dibromochloromethane	5.7	U	U	5.7	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	106-93-4	1,2-Dibromoethane	5.7	U	U	5.7	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	108-90-7	Chlorobenzene	5.7	U	U	5.7	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	100-41-4	Ethylbenzene	0.75	J	J	5.7	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	95-47-6	o-Xylene	1.3	J	J	5.7	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	179601-23-1	m,p-Xylene	0.93	J	J	5.7	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	100-42-5	Styrene	5.7	U	U	5.7	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	75-25-2	Bromoform	5.7	U	U	5.7	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	98-82-8	Isopropylbenzene	2.2	J	J	5.7	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	96-18-4	1,2,3-Trichloropropane	5.7	U	U	5.7	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.7	U	U	5.7	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	541-73-1	1,3-Dichlorobenzene	5.7	U	U	5.7	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	106-46-7	1,4-Dichlorobenzene	5.7	U	U	5.7	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	95-50-1	1,2-Dichlorobenzene	5.7	U	U	5.7	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.7	U	U	5.7	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	2.9	J	J	5.7	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	1.0	J	J	5.7	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	120-82-1	1,2,4-trichlorobenzene	5.7	U	U	5.7	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	5.7	U	U	5.7	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	unknown-03	unknown-03	4.3	J	J		ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	unknown-02	unknown-02	5.5	J	J		ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	unknown-01	unknown-01	6.5	J	J		ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	000697-37-0	1-(1-Propynyl)cyclohexanol	9.5	JN	JN		ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	001678-82-6	Cyclohexane, 1-methyl-4-(1-methylethyl)-, trans-	6.7	JN	JN		ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	E966796	Total Alkanes	600	BN	BN		ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	002958-76-1	Naphthalene, decahydro-2-methyl-	15	JN	JN		ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	005989-27-5	D-Limonene	57	JN	JN		ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	1000309-21-9	Sulfurous acid, cyclohexylmethyl u	3.9	JN	JN		ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	1000309-22-0	Sulfurous acid, cyclohexylmethyl d	4.0	JN	JN		ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	1000309-68-6	Oxalic acid, cyclohexylmethyl nony	4.9	JN	JN		ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	002958-75-0	1-Methyldecahydronaphthalene	7.8	JN	JN		ug/kg	6100-SED12B
BG594	Sediment	04/26/2021	1.0	75-71-8	Dichlorodifluoromethane	14	U	U	14	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	74-87-3	Chloromethane	14	U	U	14	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	75-01-4	Vinyl chloride	14	U	U	14	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	74-83-9	Bromomethane	14	U	U	14	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	75-00-3	Chloroethane	14	U	U	14	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	75-69-4	Trichlorofluoromethane	14	U	U	14	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	75-35-4	1,1-Dichloroethene	14	U	U	14	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	14	U	U	14	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	67-64-1	Acetone	570			27	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	75-15-0	Carbon disulfide	14			14	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	79-20-9	Methyl Acetate	14	U	U	14	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	75-09-2	Methylene chloride	22	B		14	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	156-60-5	trans-1,2-Dichloroethene	14	U	U	14	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	1634-04-4	Methyl tert-butyl Ether	14	U	U	14	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	75-34-3	1,1-Dichloroethane	14	U	U	14	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	156-59-2	cis-1,2-Dichloroethene	14	U	U	14	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	78-93-3	2-Butanone	180			27	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	74-97-5	Bromochloromethane	14	U	U	14	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	67-66-3	Chloroform	14	U	U	14	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	71-55-6	1,1,1-Trichloroethane	14	U	U	14	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	110-82-7	Cyclohexane	2.6	J	J+	14	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	56-23-5	Carbon tetrachloride	14	U	U	14	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	71-43-2	Benzene	14	U	U	14	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	107-06-2	1,2-Dichloroethane	14	U	U	14	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	79-01-6	Trichloroethene	14	U	U	14	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	108-87-2	Methylcyclohexane	25		J+	14	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	78-87-5	1,2-Dichloropropane	14	U	U	14	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	75-27-4	Bromodichloromethane	14	U	U	14	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	14	U	U	14	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	108-10-1	4-Methyl-2-pentanone	27	U	U	27	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	108-88-3	Toluene	14	JB	U	14	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	14	U	U	14	ug/kg	6100-SED13A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG594	Sediment	04/26/2021	1.0	79-00-5	1,1,2-Trichloroethane	14	U	U	14	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	127-18-4	Tetrachloroethene	14	U	U	14	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	591-78-6	2-Hexanone	27	U	U	27	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	124-48-1	Dibromochloromethane	14	U	U	14	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	106-93-4	1,2-Dibromoethane	14	U	U	14	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	108-90-7	Chlorobenzene	14	U	U	14	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	100-41-4	Ethylbenzene	14	U	U	14	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	95-47-6	o-Xylene	14	U	U	14	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	179601-23-1	m,p-Xylene	14	U	U	14	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	100-42-5	Styrene	14	U	U	14	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	75-25-2	Bromoform	14	U	U	14	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	98-82-8	Isopropylbenzene	14	U	U	14	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	96-18-4	1,2,3-Trichloropropane	14	U	U	14	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	14	U	U	14	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	541-73-1	1,3-Dichlorobenzene	14	U	U	14	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	106-46-7	1,4-Dichlorobenzene	14	U	U	14	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	95-50-1	1,2-Dichlorobenzene	14	U	U	14	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	14	U	U	14	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	14	U	U	14	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	14	U	U	14	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	120-82-1	1,2,4-trichlorobenzene	14	U	U	14	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	14	U	U	14	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	025103-09-7	Isooctyl mercaptoacetate	58	JN	JN		ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	036653-82-4	1-Hexadecanol	13	JN	JN		ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	066660-38-6	cis,trans-2-Ethylbicyclo[4.4.0]dec	15	JN	JN		ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	E966796	Total Alkanes	4000	BN	BN		ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	002958-76-1	Naphthalene, decahydro-2-methyl-	83	JN	JN		ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	002958-75-0	1-Methyldecahydronaphthalene	33	JN	JN		ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	unknown-05	unknown-05	35	J	J		ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	unknown-03	unknown-03	23	J	J		ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	unknown-01	unknown-01	13	J	J		ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	073105-67-6	1-Iodo-2-methylundecane	34	JN	JN		ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	unknown-06	unknown-06	9.0	J	J		ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	unknown-04	unknown-04	7.8	J	J		ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	unknown-02	unknown-02	12	J	J		ug/kg	6100-SED13A
VBLK108		04/26/2021	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	74-87-3	Chloromethane	5.0	U	UJ	5.0	ug/kg	
VBLK108		04/26/2021	1.0	75-01-4	Vinyl chloride	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	74-83-9	Bromomethane	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	75-00-3	Chloroethane	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	75-69-4	Trichlorofluoromethane	5.0	U	UJ	5.0	ug/kg	
VBLK108		04/26/2021	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	67-64-1	Acetone	10	U	U	10	ug/kg	
VBLK108		04/26/2021	1.0	75-15-0	Carbon disulfide	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	79-20-9	Methyl Acetate	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	75-09-2	Methylene chloride	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	78-93-3	2-Butanone	10	U	U	10	ug/kg	
VBLK108		04/26/2021	1.0	74-97-5	Bromochloromethane	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	67-66-3	Chloroform	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	110-82-7	Cyclohexane	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	71-43-2	Benzene	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	79-01-6	Trichloroethene	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/kg	
VBLK108		04/26/2021	1.0	108-88-3	Toluene	0.68	J	J	5.0	ug/kg	
VBLK108		04/26/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/kg	
VBLK108		04/26/2021	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	108-90-7	Chlorobenzene	5.0	U	U	5.0	ug/kg	

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
VBLK108		04/26/2021	1.0	100-41-4	Ethylbenzene	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	95-47-6	o-Xylene	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	100-42-5	Styrene	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	75-25-2	Bromoform	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	96-18-4	1,2,3-Trichloropropane	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK108		04/26/2021	1.0	000115-10-6	Dimethyl ether	6.2	JN	JN		ug/kg	
VBLK108		04/26/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	
VBLK109		04/27/2021	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	74-87-3	Chloromethane	5.0	U	UJ	5.0	ug/kg	
VBLK109		04/27/2021	1.0	75-01-4	Vinyl chloride	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	74-83-9	Bromomethane	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	75-00-3	Chloroethane	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	67-64-1	Acetone	10	U	U	10	ug/kg	
VBLK109		04/27/2021	1.0	75-15-0	Carbon disulfide	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	79-20-9	Methyl Acetate	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	75-09-2	Methylene chloride	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	78-93-3	2-Butanone	10	U	U	10	ug/kg	
VBLK109		04/27/2021	1.0	74-97-5	Bromochloromethane	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	67-66-3	Chloroform	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	110-82-7	Cyclohexane	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	71-43-2	Benzene	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	79-01-6	Trichloroethene	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/kg	
VBLK109		04/27/2021	1.0	108-88-3	Toluene	0.62	J	J	5.0	ug/kg	
VBLK109		04/27/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/kg	
VBLK109		04/27/2021	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	108-90-7	Chlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	100-41-4	Ethylbenzene	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	95-47-6	o-Xylene	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	100-42-5	Styrene	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	75-25-2	Bromoform	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	96-18-4	1,2,3-Trichloropropane	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK109		04/27/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
VBLK109		04/27/2021	1.0	000115-10-6	Dimethyl ether	2.6	JN	JN		ug/kg	
VBLK110		04/28/2021	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	74-87-3	Chloromethane	5.0	U	UJ	5.0	ug/kg	
VBLK110		04/28/2021	1.0	75-01-4	Vinyl chloride	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	74-83-9	Bromomethane	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	75-00-3	Chloroethane	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	67-64-1	Acetone	10	U	U	10	ug/kg	
VBLK110		04/28/2021	1.0	75-15-0	Carbon disulfide	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	79-20-9	Methyl Acetate	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	75-09-2	Methylene chloride	3.1	J	J	5.0	ug/kg	
VBLK110		04/28/2021	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	78-93-3	2-Butanone	10	U	U	10	ug/kg	
VBLK110		04/28/2021	1.0	74-97-5	Bromochloromethane	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	67-66-3	Chloroform	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	110-82-7	Cyclohexane	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	71-43-2	Benzene	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	79-01-6	Trichloroethene	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/kg	
VBLK110		04/28/2021	1.0	108-88-3	Toluene	0.82	J	J	5.0	ug/kg	
VBLK110		04/28/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/kg	
VBLK110		04/28/2021	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	108-90-7	Chlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	100-41-4	Ethylbenzene	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	95-47-6	o-Xylene	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	100-42-5	Styrene	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	75-25-2	Bromoform	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	96-18-4	1,2,3-Trichloropropane	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK110		04/28/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	
VBLK111		04/29/2021	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	74-87-3	Chloromethane	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	75-01-4	Vinyl chloride	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	74-83-9	Bromomethane	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	75-00-3	Chloroethane	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	67-64-1	Acetone	10	U	U	10	ug/kg	
VBLK111		04/29/2021	1.0	75-15-0	Carbon disulfide	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	79-20-9	Methyl Acetate	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	75-09-2	Methylene chloride	5.2			5.0	ug/kg	
VBLK111		04/29/2021	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	78-93-3	2-Butanone	10	U	U	10	ug/kg	

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
VBLK111		04/29/2021	1.0	74-97-5	Bromochloromethane	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	67-66-3	Chloroform	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	110-82-7	Cyclohexane	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	71-43-2	Benzene	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	79-01-6	Trichloroethene	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/kg	
VBLK111		04/29/2021	1.0	108-88-3	Toluene	0.80	J	J	5.0	ug/kg	
VBLK111		04/29/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/kg	
VBLK111		04/29/2021	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	108-90-7	Chlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	100-41-4	Ethylbenzene	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	95-47-6	o-Xylene	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	100-42-5	Styrene	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	75-25-2	Bromoform	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	96-18-4	1,2,3-Trichloropropane	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	
VBLK112		04/30/2021	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	74-87-3	Chloromethane	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	75-01-4	Vinyl chloride	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	74-83-9	Bromomethane	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	75-00-3	Chloroethane	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	67-64-1	Acetone	10	U	U	10	ug/kg	
VBLK112		04/30/2021	1.0	75-15-0	Carbon disulfide	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	79-20-9	Methyl Acetate	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	75-09-2	Methylene chloride	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	78-93-3	2-Butanone	10	U	U	10	ug/kg	
VBLK112		04/30/2021	1.0	74-97-5	Bromochloromethane	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	67-66-3	Chloroform	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	110-82-7	Cyclohexane	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	71-43-2	Benzene	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	79-01-6	Trichloroethene	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/kg	
VBLK112		04/30/2021	1.0	108-88-3	Toluene	0.66	J	J	5.0	ug/kg	
VBLK112		04/30/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/kg	

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
VBLK112		04/30/2021	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	108-90-7	Chlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	100-41-4	Ethylbenzene	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	95-47-6	o-Xylene	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	100-42-5	Styrene	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	75-25-2	Bromoform	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	96-18-4	1,2,3-Trichloropropane	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	
VBLK116		05/06/2021	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	74-87-3	Chloromethane	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	75-01-4	Vinyl chloride	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	74-83-9	Bromomethane	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	75-00-3	Chloroethane	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	67-64-1	Acetone	10	U	U	10	ug/kg	
VBLK116		05/06/2021	1.0	75-15-0	Carbon disulfide	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	79-20-9	Methyl Acetate	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	75-09-2	Methylene chloride	5.1			5.0	ug/kg	
VBLK116		05/06/2021	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	78-93-3	2-Butanone	10	U	U	10	ug/kg	
VBLK116		05/06/2021	1.0	74-97-5	Bromochloromethane	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	67-66-3	Chloroform	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	110-82-7	Cyclohexane	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	71-43-2	Benzene	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	79-01-6	Trichloroethene	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/kg	
VBLK116		05/06/2021	1.0	108-88-3	Toluene	0.64	J	J	5.0	ug/kg	
VBLK116		05/06/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/kg	
VBLK116		05/06/2021	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	108-90-7	Chlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	100-41-4	Ethylbenzene	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	95-47-6	o-Xylene	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	100-42-5	Styrene	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	75-25-2	Bromoform	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	96-18-4	1,2,3-Trichloropropane	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5.0	ug/kg	

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
VBLK116		05/06/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	
VBLK175		04/28/2021	1.0	75-71-8	Dichlorodifluoromethane	250	U	U	250	ug/kg	
VBLK175		04/28/2021	1.0	74-87-3	Chloromethane	250	U	U	250	ug/kg	
VBLK175		04/28/2021	1.0	75-01-4	Vinyl chloride	250	U	U	250	ug/kg	
VBLK175		04/28/2021	1.0	74-83-9	Bromomethane	250	U	U	250	ug/kg	
VBLK175		04/28/2021	1.0	75-00-3	Chloroethane	250	U	U	250	ug/kg	
VBLK175		04/28/2021	1.0	75-69-4	Trichlorofluoromethane	250	U	U	250	ug/kg	
VBLK175		04/28/2021	1.0	75-35-4	1,1-Dichloroethene	250	U	U	250	ug/kg	
VBLK175		04/28/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	250	U	U	250	ug/kg	
VBLK175		04/28/2021	1.0	67-64-1	Acetone	500	U	U	500	ug/kg	
VBLK175		04/28/2021	1.0	75-15-0	Carbon disulfide	250	U	U	250	ug/kg	
VBLK175		04/28/2021	1.0	79-20-9	Methyl Acetate	250	U	U	250	ug/kg	
VBLK175		04/28/2021	1.0	75-09-2	Methylene chloride	250	U	U	250	ug/kg	
VBLK175		04/28/2021	1.0	156-60-5	trans-1,2-Dichloroethene	250	U	U	250	ug/kg	
VBLK175		04/28/2021	1.0	1634-04-4	Methyl tert-butyl Ether	250	U	U	250	ug/kg	
VBLK175		04/28/2021	1.0	75-34-3	1,1-Dichloroethane	250	U	U	250	ug/kg	
VBLK175		04/28/2021	1.0	156-59-2	cis-1,2-Dichloroethene	250	U	U	250	ug/kg	
VBLK175		04/28/2021	1.0	78-93-3	2-Butanone	500	U	U	500	ug/kg	
VBLK175		04/28/2021	1.0	74-97-5	Bromochloromethane	250	U	U	250	ug/kg	
VBLK175		04/28/2021	1.0	67-66-3	Chloroform	250	U	U	250	ug/kg	
VBLK175		04/28/2021	1.0	71-55-6	1,1,1-Trichloroethane	250	U	U	250	ug/kg	
VBLK175		04/28/2021	1.0	110-82-7	Cyclohexane	250	U	U	250	ug/kg	
VBLK175		04/28/2021	1.0	56-23-5	Carbon tetrachloride	250	U	U	250	ug/kg	
VBLK175		04/28/2021	1.0	71-43-2	Benzene	250	U	U	250	ug/kg	
VBLK175		04/28/2021	1.0	107-06-2	1,2-Dichloroethane	250	U	U	250	ug/kg	
VBLK175		04/28/2021	1.0	79-01-6	Trichloroethene	250	U	U	250	ug/kg	
VBLK175		04/28/2021	1.0	108-87-2	Methylcyclohexane	250	U	U	250	ug/kg	
VBLK175		04/28/2021	1.0	78-87-5	1,2-Dichloropropane	250	U	U	250	ug/kg	
VBLK175		04/28/2021	1.0	75-27-4	Bromodichloromethane	250	U	U	250	ug/kg	
VBLK175		04/28/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	250	U	U	250	ug/kg	
VBLK175		04/28/2021	1.0	108-10-1	4-Methyl-2-pentanone	500	U	U	500	ug/kg	
VBLK175		04/28/2021	1.0	108-88-3	Toluene	250	U	U	250	ug/kg	
VBLK175		04/28/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	250	U	U	250	ug/kg	
VBLK175		04/28/2021	1.0	79-00-5	1,1,2-Trichloroethane	250	U	U	250	ug/kg	
VBLK175		04/28/2021	1.0	127-18-4	Tetrachloroethene	250	U	U	250	ug/kg	
VBLK175		04/28/2021	1.0	591-78-6	2-Hexanone	500	U	U	500	ug/kg	
VBLK175		04/28/2021	1.0	124-48-1	Dibromochloromethane	250	U	U	250	ug/kg	
VBLK175		04/28/2021	1.0	106-93-4	1,2-Dibromoethane	250	U	U	250	ug/kg	
VBLK175		04/28/2021	1.0	108-90-7	Chlorobenzene	250	U	U	250	ug/kg	
VBLK175		04/28/2021	1.0	100-41-4	Ethylbenzene	250	U	U	250	ug/kg	
VBLK175		04/28/2021	1.0	95-47-6	o-Xylene	250	U	U	250	ug/kg	
VBLK175		04/28/2021	1.0	179601-23-1	m,p-Xylene	250	U	U	250	ug/kg	
VBLK175		04/28/2021	1.0	100-42-5	Styrene	250	U	U	250	ug/kg	
VBLK175		04/28/2021	1.0	75-25-2	Bromoform	250	U	U	250	ug/kg	
VBLK175		04/28/2021	1.0	98-82-8	Isopropylbenzene	250	U	U	250	ug/kg	
VBLK175		04/28/2021	1.0	96-18-4	1,2,3-Trichloropropane	250	U	U	250	ug/kg	
VBLK175		04/28/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	250	U	U	250	ug/kg	
VBLK175		04/28/2021	1.0	541-73-1	1,3-Dichlorobenzene	250	U	U	250	ug/kg	
VBLK175		04/28/2021	1.0	106-46-7	1,4-Dichlorobenzene	250	U	U	250	ug/kg	
VBLK175		04/28/2021	1.0	95-50-1	1,2-Dichlorobenzene	250	U	U	250	ug/kg	
VBLK175		04/28/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	250	U	U	250	ug/kg	
VBLK175		04/28/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	250	U	U	250	ug/kg	
VBLK175		04/28/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	250	U	U	250	ug/kg	
VBLK175		04/28/2021	1.0	120-82-1	1,2,4-trichlorobenzene	250	U	U	250	ug/kg	
VBLK175		04/28/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	250	U	U	250	ug/kg	
VBLK175		04/28/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	
VBLK177		04/29/2021	1.0	75-71-8	Dichlorodifluoromethane	250	U	U	250	ug/kg	
VBLK177		04/29/2021	1.0	74-87-3	Chloromethane	250	U	U	250	ug/kg	
VBLK177		04/29/2021	1.0	75-01-4	Vinyl chloride	250	U	U	250	ug/kg	
VBLK177		04/29/2021	1.0	74-83-9	Bromomethane	250	U	U	250	ug/kg	
VBLK177		04/29/2021	1.0	75-00-3	Chloroethane	250	U	U	250	ug/kg	
VBLK177		04/29/2021	1.0	75-69-4	Trichlorofluoromethane	250	U	U	250	ug/kg	
VBLK177		04/29/2021	1.0	75-35-4	1,1-Dichloroethene	250	U	U	250	ug/kg	
VBLK177		04/29/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	250	U	U	250	ug/kg	
VBLK177		04/29/2021	1.0	67-64-1	Acetone	500	U	U	500	ug/kg	
VBLK177		04/29/2021	1.0	75-15-0	Carbon disulfide	250	U	U	250	ug/kg	
VBLK177		04/29/2021	1.0	79-20-9	Methyl Acetate	250	U	U	250	ug/kg	
VBLK177		04/29/2021	1.0	75-09-2	Methylene chloride	250	U	U	250	ug/kg	
VBLK177		04/29/2021	1.0	156-60-5	trans-1,2-Dichloroethene	250	U	U	250	ug/kg	
VBLK177		04/29/2021	1.0	1634-04-4	Methyl tert-butyl Ether	250	U	U	250	ug/kg	
VBLK177		04/29/2021	1.0	75-34-3	1,1-Dichloroethane	250	U	U	250	ug/kg	
VBLK177		04/29/2021	1.0	156-59-2	cis-1,2-Dichloroethene	250	U	U	250	ug/kg	

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
VBLK177		04/29/2021	1.0	78-93-3	2-Butanone	500	U	U	500	ug/kg	
VBLK177		04/29/2021	1.0	74-97-5	Bromochloromethane	250	U	U	250	ug/kg	
VBLK177		04/29/2021	1.0	67-66-3	Chloroform	250	U	U	250	ug/kg	
VBLK177		04/29/2021	1.0	71-55-6	1,1,1-Trichloroethane	250	U	U	250	ug/kg	
VBLK177		04/29/2021	1.0	110-82-7	Cyclohexane	250	U	U	250	ug/kg	
VBLK177		04/29/2021	1.0	56-23-5	Carbon tetrachloride	250	U	U	250	ug/kg	
VBLK177		04/29/2021	1.0	71-43-2	Benzene	250	U	U	250	ug/kg	
VBLK177		04/29/2021	1.0	107-06-2	1,2-Dichloroethane	250	U	U	250	ug/kg	
VBLK177		04/29/2021	1.0	79-01-6	Trichloroethene	250	U	U	250	ug/kg	
VBLK177		04/29/2021	1.0	108-87-2	Methylcyclohexane	250	U	U	250	ug/kg	
VBLK177		04/29/2021	1.0	78-87-5	1,2-Dichloropropane	250	U	U	250	ug/kg	
VBLK177		04/29/2021	1.0	75-27-4	Bromodichloromethane	250	U	U	250	ug/kg	
VBLK177		04/29/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	250	U	U	250	ug/kg	
VBLK177		04/29/2021	1.0	108-10-1	4-Methyl-2-pentanone	500	U	U	500	ug/kg	
VBLK177		04/29/2021	1.0	108-88-3	Toluene	250	U	U	250	ug/kg	
VBLK177		04/29/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	250	U	U	250	ug/kg	
VBLK177		04/29/2021	1.0	79-00-5	1,1,2-Trichloroethane	250	U	U	250	ug/kg	
VBLK177		04/29/2021	1.0	127-18-4	Tetrachloroethene	250	U	U	250	ug/kg	
VBLK177		04/29/2021	1.0	591-78-6	2-Hexanone	500	U	U	500	ug/kg	
VBLK177		04/29/2021	1.0	124-48-1	Dibromochloromethane	250	U	U	250	ug/kg	
VBLK177		04/29/2021	1.0	106-93-4	1,2-Dibromoethane	250	U	U	250	ug/kg	
VBLK177		04/29/2021	1.0	108-90-7	Chlorobenzene	250	U	U	250	ug/kg	
VBLK177		04/29/2021	1.0	100-41-4	Ethylbenzene	250	U	U	250	ug/kg	
VBLK177		04/29/2021	1.0	95-47-6	o-Xylene	250	U	U	250	ug/kg	
VBLK177		04/29/2021	1.0	179601-23-1	m,p-Xylene	250	U	U	250	ug/kg	
VBLK177		04/29/2021	1.0	100-42-5	Styrene	250	U	U	250	ug/kg	
VBLK177		04/29/2021	1.0	75-25-2	Bromoform	250	U	U	250	ug/kg	
VBLK177		04/29/2021	1.0	98-82-8	Isopropylbenzene	250	U	U	250	ug/kg	
VBLK177		04/29/2021	1.0	96-18-4	1,2,3-Trichloropropane	250	U	U	250	ug/kg	
VBLK177		04/29/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	250	U	U	250	ug/kg	
VBLK177		04/29/2021	1.0	541-73-1	1,3-Dichlorobenzene	250	U	U	250	ug/kg	
VBLK177		04/29/2021	1.0	106-46-7	1,4-Dichlorobenzene	250	U	U	250	ug/kg	
VBLK177		04/29/2021	1.0	95-50-1	1,2-Dichlorobenzene	250	U	U	250	ug/kg	
VBLK177		04/29/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	250	U	U	250	ug/kg	
VBLK177		04/29/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	250	U	U	250	ug/kg	
VBLK177		04/29/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	250	U	U	250	ug/kg	
VBLK177		04/29/2021	1.0	120-82-1	1,2,4-trichlorobenzene	250	U	U	250	ug/kg	
VBLK177		04/29/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	250	U	U	250	ug/kg	
VBLK177		04/29/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	
VBLK179		05/03/2021	1.0	75-71-8	Dichlorodifluoromethane	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	74-87-3	Chloromethane	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	75-01-4	Vinyl chloride	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	74-83-9	Bromomethane	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	75-00-3	Chloroethane	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	75-69-4	Trichlorofluoromethane	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	75-35-4	1,1-Dichloroethene	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	67-64-1	Acetone	500	U	U	500	ug/kg	
VBLK179		05/03/2021	1.0	75-15-0	Carbon disulfide	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	79-20-9	Methyl Acetate	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	75-09-2	Methylene chloride	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	156-60-5	trans-1,2-Dichloroethene	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	1634-04-4	Methyl tert-butyl Ether	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	75-34-3	1,1-Dichloroethane	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	156-59-2	cis-1,2-Dichloroethene	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	78-93-3	2-Butanone	500	U	U	500	ug/kg	
VBLK179		05/03/2021	1.0	74-97-5	Bromochloromethane	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	67-66-3	Chloroform	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	71-55-6	1,1,1-Trichloroethane	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	110-82-7	Cyclohexane	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	56-23-5	Carbon tetrachloride	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	71-43-2	Benzene	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	107-06-2	1,2-Dichloroethane	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	79-01-6	Trichloroethene	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	108-87-2	Methylcyclohexane	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	78-87-5	1,2-Dichloropropane	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	75-27-4	Bromodichloromethane	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	108-10-1	4-Methyl-2-pentanone	500	U	U	500	ug/kg	
VBLK179		05/03/2021	1.0	108-88-3	Toluene	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	79-00-5	1,1,2-Trichloroethane	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	127-18-4	Tetrachloroethene	250	U	U	250	ug/kg	

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
VBLK179		05/03/2021	1.0	591-78-6	2-Hexanone	500	U	U	500	ug/kg	
VBLK179		05/03/2021	1.0	124-48-1	Dibromochloromethane	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	106-93-4	1,2-Dibromoethane	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	108-90-7	Chlorobenzene	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	100-41-4	Ethylbenzene	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	95-47-6	o-Xylene	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	179601-23-1	m,p-Xylene	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	100-42-5	Styrene	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	75-25-2	Bromoform	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	98-82-8	Isopropylbenzene	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	96-18-4	1,2,3-Trichloropropane	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	541-73-1	1,3-Dichlorobenzene	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	106-46-7	1,4-Dichlorobenzene	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	95-50-1	1,2-Dichlorobenzene	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	120-82-1	1,2,4-trichlorobenzene	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	004749-35-3	Propanoic acid, 2,2,3-trichloro-,	140	JN	JN		ug/kg	
VBLK179		05/03/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	
VBLK181		05/04/2021	1.0	75-71-8	Dichlorodifluoromethane	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	74-87-3	Chloromethane	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	75-01-4	Vinyl chloride	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	74-83-9	Bromomethane	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	75-00-3	Chloroethane	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	75-69-4	Trichlorofluoromethane	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	75-35-4	1,1-Dichloroethene	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	67-64-1	Acetone	500	U	U	500	ug/kg	
VBLK181		05/04/2021	1.0	75-15-0	Carbon disulfide	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	79-20-9	Methyl Acetate	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	75-09-2	Methylene chloride	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	156-60-5	trans-1,2-Dichloroethene	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	1634-04-4	Methyl tert-butyl Ether	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	75-34-3	1,1-Dichloroethane	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	156-59-2	cis-1,2-Dichloroethene	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	78-93-3	2-Butanone	500	U	U	500	ug/kg	
VBLK181		05/04/2021	1.0	74-97-5	Bromochloromethane	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	67-66-3	Chloroform	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	71-55-6	1,1,1-Trichloroethane	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	110-82-7	Cyclohexane	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	56-23-5	Carbon tetrachloride	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	71-43-2	Benzene	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	107-06-2	1,2-Dichloroethane	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	79-01-6	Trichloroethene	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	108-87-2	Methylcyclohexane	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	78-87-5	1,2-Dichloropropane	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	75-27-4	Bromodichloromethane	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	108-10-1	4-Methyl-2-pentanone	500	U	U	500	ug/kg	
VBLK181		05/04/2021	1.0	108-88-3	Toluene	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	79-00-5	1,1,2-Trichloroethane	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	127-18-4	Tetrachloroethene	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	591-78-6	2-Hexanone	500	U	U	500	ug/kg	
VBLK181		05/04/2021	1.0	124-48-1	Dibromochloromethane	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	106-93-4	1,2-Dibromoethane	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	108-90-7	Chlorobenzene	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	100-41-4	Ethylbenzene	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	95-47-6	o-Xylene	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	179601-23-1	m,p-Xylene	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	100-42-5	Styrene	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	75-25-2	Bromoform	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	98-82-8	Isopropylbenzene	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	96-18-4	1,2,3-Trichloropropane	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	541-73-1	1,3-Dichlorobenzene	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	106-46-7	1,4-Dichlorobenzene	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	95-50-1	1,2-Dichlorobenzene	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	250	U	U	250	ug/kg	

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
VBLK181		05/04/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	120-82-1	1,2,4-trichlorobenzene	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	
VBLK181		05/04/2021	1.0	unknown-01	unknown-01	130	J	J		ug/kg	
VHBLK001		05/06/2021	1.0	75-71-8	Dichlorodifluoromethane	4.9	U	U	4.9	ug/kg	
VHBLK001		05/06/2021	1.0	74-87-3	Chloromethane	4.9	U	U	4.9	ug/kg	
VHBLK001		05/06/2021	1.0	75-01-4	Vinyl chloride	4.9	U	U	4.9	ug/kg	
VHBLK001		05/06/2021	1.0	74-83-9	Bromomethane	4.9	U	U	4.9	ug/kg	
VHBLK001		05/06/2021	1.0	75-00-3	Chloroethane	4.9	U	U	4.9	ug/kg	
VHBLK001		05/06/2021	1.0	75-69-4	Trichlorofluoromethane	4.9	U	U	4.9	ug/kg	
VHBLK001		05/06/2021	1.0	75-35-4	1,1-Dichloroethene	4.9	U	U	4.9	ug/kg	
VHBLK001		05/06/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	4.9	U	U	4.9	ug/kg	
VHBLK001		05/06/2021	1.0	67-64-1	Acetone	9.9	U	U	9.9	ug/kg	
VHBLK001		05/06/2021	1.0	75-15-0	Carbon disulfide	4.9	U	U	4.9	ug/kg	
VHBLK001		05/06/2021	1.0	79-20-9	Methyl Acetate	4.9	U	U	4.9	ug/kg	
VHBLK001		05/06/2021	1.0	75-09-2	Methylene chloride	5.4	B		4.9	ug/kg	
VHBLK001		05/06/2021	1.0	156-60-5	trans-1,2-Dichloroethene	4.9	U	U	4.9	ug/kg	
VHBLK001		05/06/2021	1.0	1634-04-4	Methyl tert-butyl Ether	4.9	U	U	4.9	ug/kg	
VHBLK001		05/06/2021	1.0	75-34-3	1,1-Dichloroethane	4.9	U	U	4.9	ug/kg	
VHBLK001		05/06/2021	1.0	156-59-2	cis-1,2-Dichloroethene	4.9	U	U	4.9	ug/kg	
VHBLK001		05/06/2021	1.0	78-93-3	2-Butanone	9.9	U	U	9.9	ug/kg	
VHBLK001		05/06/2021	1.0	74-97-5	Bromochloromethane	4.9	U	U	4.9	ug/kg	
VHBLK001		05/06/2021	1.0	67-66-3	Chloroform	4.9	U	U	4.9	ug/kg	
VHBLK001		05/06/2021	1.0	71-55-6	1,1,1-Trichloroethane	4.9	U	U	4.9	ug/kg	
VHBLK001		05/06/2021	1.0	110-82-7	Cyclohexane	4.9	U	U	4.9	ug/kg	
VHBLK001		05/06/2021	1.0	56-23-5	Carbon tetrachloride	4.9	U	U	4.9	ug/kg	
VHBLK001		05/06/2021	1.0	71-43-2	Benzene	4.9	U	U	4.9	ug/kg	
VHBLK001		05/06/2021	1.0	107-06-2	1,2-Dichloroethane	4.9	U	U	4.9	ug/kg	
VHBLK001		05/06/2021	1.0	79-01-6	Trichloroethene	4.9	U	U	4.9	ug/kg	
VHBLK001		05/06/2021	1.0	108-87-2	Methylcyclohexane	4.9	U	U	4.9	ug/kg	
VHBLK001		05/06/2021	1.0	78-87-5	1,2-Dichloropropane	4.9	U	U	4.9	ug/kg	
VHBLK001		05/06/2021	1.0	75-27-4	Bromodichloromethane	4.9	U	U	4.9	ug/kg	
VHBLK001		05/06/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	4.9	U	U	4.9	ug/kg	
VHBLK001		05/06/2021	1.0	108-10-1	4-Methyl-2-pentanone	9.9	U	U	9.9	ug/kg	
VHBLK001		05/06/2021	1.0	108-88-3	Toluene	0.63	JB	J	4.9	ug/kg	
VHBLK001		05/06/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	4.9	U	U	4.9	ug/kg	
VHBLK001		05/06/2021	1.0	79-00-5	1,1,2-Trichloroethane	4.9	U	U	4.9	ug/kg	
VHBLK001		05/06/2021	1.0	127-18-4	Tetrachloroethene	4.9	U	U	4.9	ug/kg	
VHBLK001		05/06/2021	1.0	591-78-6	2-Hexanone	9.9	U	U	9.9	ug/kg	
VHBLK001		05/06/2021	1.0	124-48-1	Dibromochloromethane	4.9	U	U	4.9	ug/kg	
VHBLK001		05/06/2021	1.0	106-93-4	1,2-Dibromoethane	4.9	U	U	4.9	ug/kg	
VHBLK001		05/06/2021	1.0	108-90-7	Chlorobenzene	4.9	U	U	4.9	ug/kg	
VHBLK001		05/06/2021	1.0	100-41-4	Ethylbenzene	4.9	U	U	4.9	ug/kg	
VHBLK001		05/06/2021	1.0	95-47-6	o-Xylene	4.9	U	U	4.9	ug/kg	
VHBLK001		05/06/2021	1.0	179601-23-1	m,p-Xylene	4.9	U	U	4.9	ug/kg	
VHBLK001		05/06/2021	1.0	100-42-5	Styrene	4.9	U	U	4.9	ug/kg	
VHBLK001		05/06/2021	1.0	75-25-2	Bromoform	4.9	U	U	4.9	ug/kg	
VHBLK001		05/06/2021	1.0	98-82-8	Isopropylbenzene	4.9	U	U	4.9	ug/kg	
VHBLK001		05/06/2021	1.0	96-18-4	1,2,3-Trichloropropane	4.9	U	U	4.9	ug/kg	
VHBLK001		05/06/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	4.9	U	U	4.9	ug/kg	
VHBLK001		05/06/2021	1.0	541-73-1	1,3-Dichlorobenzene	4.9	U	U	4.9	ug/kg	
VHBLK001		05/06/2021	1.0	106-46-7	1,4-Dichlorobenzene	4.9	U	U	4.9	ug/kg	
VHBLK001		05/06/2021	1.0	95-50-1	1,2-Dichlorobenzene	4.9	U	U	4.9	ug/kg	
VHBLK001		05/06/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	4.9	U	U	4.9	ug/kg	
VHBLK001		05/06/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	4.9	U	U	4.9	ug/kg	
VHBLK001		05/06/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	4.9	U	U	4.9	ug/kg	
VHBLK001		05/06/2021	1.0	120-82-1	1,2,4-trichlorobenzene	4.9	U	U	4.9	ug/kg	
VHBLK001		05/06/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	4.9	U	U	4.9	ug/kg	
VHBLK001		05/06/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	
BG514	Sediment	04/23/2021	1.0	123-91-1	1,4-Dioxane	88	U	U	88	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	100-52-7	Benzaldehyde	430	U	U	430	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	108-95-2	Phenol	430	U	U	430	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	430	U	U	430	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	95-57-8	2-Chlorophenol	220	U	U	220	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	95-48-7	2-Methylphenol	430	U	U	430	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	430	U	U	430	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	98-86-2	Acetophenone	430	U	U	430	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	106-44-5	4-Methylphenol	430	U	U	430	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	220	U	U	220	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	67-72-1	Hexachloroethane	220	U	U	220	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	98-95-3	Nitrobenzene	220	U	U	220	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	78-59-1	Isophorone	220	U	U	220	ug/kg	6100-SED26B

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG514	Sediment	04/23/2021	1.0	88-75-5	2-Nitrophenol	220	U	U	220	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	105-67-9	2,4-Dimethylphenol	220	U	U	220	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	220	U	U	220	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	120-83-2	2,4-Dichlorophenol	220	U	U	220	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	91-20-3	Naphthalene	220	U	U	220	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	106-47-8	4-Chloroaniline	430	U	U	430	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	87-68-3	Hexachlorobutadiene	220	U	U	220	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	105-60-2	Caprolactam	430	U	U	430	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	59-50-7	4-Chloro-3-methylphenol	220	U	U	220	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	90-12-0	1-Methylnaphthalene	220	U	U	220	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	91-57-6	2-Methylnaphthalene	220	U	U	220	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	77-47-4	Hexachlorocyclopentadiene	430	U	U	430	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	88-06-2	2,4,6-Trichlorophenol	220	U	U	220	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	95-95-4	2,4,5-Trichlorophenol	220	U	U	220	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	92-52-4	1,1-Biphenyl	220	U	U	220	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	91-58-7	2-Chloronaphthalene	220	U	U	220	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	88-74-4	2-Nitroaniline	220	U	U	220	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	131-11-3	Dimethylphthalate	77	J	J	220	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	606-20-2	2,6-Dinitrotoluene	220	U	U	220	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	208-96-8	Acenaphthylene	220	U	U	220	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	99-09-2	3-Nitroaniline	430	U	U	430	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	83-32-9	Acenaphthene	230			220	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	51-28-5	2,4-Dinitrophenol	430	U	U	430	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	100-02-7	4-Nitrophenol	430	U	U	430	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	132-64-9	Dibenzofuran	220	U	U	220	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	121-14-2	2,4-Dinitrotoluene	220	U	U	220	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	84-66-2	Diethylphthalate	220	U	U	220	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	86-73-7	Fluorene	120	J	J	220	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	220	U	U	220	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	100-01-6	4-Nitroaniline	430	U	U	430	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	430	U	U	430	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	86-30-6	N-Nitrosodiphenylamine	220	U	U	220	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	220	U	U	220	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	101-55-3	4-Bromophenyl-phenylether	220	U	U	220	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	118-74-1	Hexachlorobenzene	220	U	U	220	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	1912-24-9	Atrazine	430	U	U	430	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	87-86-5	Pentachlorophenol	430	U	U	430	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	85-01-8	Phenanthrene	2200			220	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	120-12-7	Anthracene	470			220	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	86-74-8	Carbazole	390	J	J	430	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	84-74-2	Di-n-butylphthalate	220	U	U	220	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	5.0	206-44-0	Fluoranthene	4500	D	J	1100	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	5.0	129-00-0	Pyrene	3700	D		1100	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	85-68-7	Butylbenzylphthalate	220	U	U	220	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	91-94-1	3,3-Dichlorobenzidine	430	U	U	430	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	56-55-3	Benzo(a)anthracene	2100			220	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	218-01-9	Chrysene	2100			220	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	790			220	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	117-84-0	Di-n-octyl phthalate	430	U	U	430	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	205-99-2	Benzo(b)fluoranthene	2900			220	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	207-08-9	Benzo(k)fluoranthene	820			220	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	50-32-8	Benzo(a)pyrene	2300			220	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	1200			220	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	380			220	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	191-24-2	Benzo(g,h,i)perylene	1300			220	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	220	U	U	220	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	000239-35-0	Benzo[b]naphtho[2,1-d]thiophene	110	JN	JN		ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	000243-17-4	11H-Benzo[b]fluorene	170	JN	JN		ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	000612-94-2	Naphthalene, 2-phenyl-	100	JN	JN		ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	000613-12-7	Anthracene, 2-methyl-	150	JN	JN		ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	002531-84-2	Phenanthrene, 2-methyl-	420	JN	JN		ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	025732-74-5	Cyclopenta(cd)pyrene, 3,4-dihydro-	110	JN	JN		ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	033543-31-6	Fluoranthene, 2-methyl-	190	JN	JN		ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	329912-72-3	Bicyclo[4.1.0]heptane-7-carboxamid	120	JN	JN		ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	000203-64-5	4H-Cyclopenta[def]phenanthrene	460	JN	JN		ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	000132-65-0	Dibenzothiophene	240	JN	JN		ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	unknown-01	unknown-01	160	J	J		ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	E966796	Total Alkanes	220	B	B		ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	000192-97-2	Benzo[e]pyrene	840	JN	JN		ug/kg	6100-SED26B
BG515	Sediment	04/26/2021	1.0	123-91-1	1,4-Dioxane	180	U	U	180	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	100-52-7	Benzaldehyde	890	U	U	890	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	108-95-2	Phenol	890	U	U	890	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	890	U	U	890	ug/kg	6100-SED26C

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG515	Sediment	04/26/2021	1.0	95-57-8	2-Chlorophenol	460	U	U	460	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	95-48-7	2-Methylphenol	890	U	U	890	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	890	U	U	890	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	98-86-2	Acetophenone	890	U	U	890	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	106-44-5	4-Methylphenol	890	U	U	890	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	460	U	U	460	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	67-72-1	Hexachloroethane	460	U	U	460	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	98-95-3	Nitrobenzene	460	U	U	460	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	78-59-1	Isophorone	460	U	U	460	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	88-75-5	2-Nitrophenol	460	U	U	460	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	105-67-9	2,4-Dimethylphenol	460	U	U	460	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	460	U	U	460	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	120-83-2	2,4-Dichlorophenol	460	U	U	460	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	91-20-3	Naphthalene	460	U	U	460	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	106-47-8	4-Chloroaniline	890	U	U	890	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	87-68-3	Hexachlorobutadiene	460	U	U	460	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	105-60-2	Caprolactam	890	U	U	890	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	59-50-7	4-Chloro-3-methylphenol	460	U	U	460	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	90-12-0	1-Methylnaphthalene	460	U	U	460	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	91-57-6	2-Methylnaphthalene	460	U	U	460	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	77-47-4	Hexachlorocyclopentadiene	890	U	U	890	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	88-06-2	2,4,6-Trichlorophenol	460	U	U	460	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	95-95-4	2,4,5-Trichlorophenol	460	U	U	460	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	92-52-4	1,1-Biphenyl	460	U	U	460	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	91-58-7	2-Chloronaphthalene	460	U	U	460	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	88-74-4	2-Nitroaniline	460	U	UJ	460	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	131-11-3	Dimethylphthalate	460	U	U	460	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	606-20-2	2,6-Dinitrotoluene	460	U	U	460	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	208-96-8	Acenaphthylene	460	U	U	460	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	99-09-2	3-Nitroaniline	890	U	UJ	890	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	83-32-9	Acenaphthene	460	U	U	460	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	51-28-5	2,4-Dinitrophenol	890	U	UJ	890	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	100-02-7	4-Nitrophenol	890	U	UJ	890	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	132-64-9	Dibenzofuran	460	U	U	460	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	121-14-2	2,4-Dinitrotoluene	460	U	U	460	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	84-66-2	Diethylphthalate	460	U	U	460	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	86-73-7	Fluorene	460	U	U	460	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	460	U	U	460	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	100-01-6	4-Nitroaniline	890	U	UJ	890	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	890	U	UJ	890	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	86-30-6	N-Nitrosodiphenylamine	460	U	U	460	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	460	U	U	460	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	101-55-3	4-Bromophenyl-phenylether	460	U	U	460	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	118-74-1	Hexachlorobenzene	460	U	U	460	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	1912-24-9	Atrazine	890	U	U	890	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	87-86-5	Pentachlorophenol	890	U	U	890	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	85-01-8	Phenanthrene	460	U	U	460	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	120-12-7	Anthracene	460	U	U	460	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	86-74-8	Carbazole	890	U	U	890	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	84-74-2	Di-n-butylphthalate	460	U	U	460	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	206-44-0	Fluoranthene	460	U	U	460	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	129-00-0	Pyrene	460	U	U	460	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	85-68-7	Butylbenzylphthalate	460	U	U	460	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	91-94-1	3,3-Dichlorobenzidine	890	U	U	890	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	56-55-3	Benzo(a)anthracene	460	U	U	460	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	218-01-9	Chrysene	460	U	U	460	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	160	J	J	460	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	117-84-0	Di-n-octyl phthalate	890	U	U	890	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	205-99-2	Benzo(b)fluoranthene	460	U	U	460	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	207-08-9	Benzo(k)fluoranthene	460	U	U	460	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	50-32-8	Benzo(a)pyrene	460	U	U	460	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	460	U	U	460	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	460	U	U	460	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	191-24-2	Benzo(g,h,i)perylene	460	U	U	460	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	460	U	U	460	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	E966796	Total Alkanes	840	B	B		ug/kg	6100-SED26C
BG576	Sediment	04/26/2021	1.0	123-91-1	1,4-Dioxane	200	U	U	200	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	100-52-7	Benzaldehyde	1000	U	U	1000	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	108-95-2	Phenol	1000	U	U	1000	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	1000	U	U	1000	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	95-57-8	2-Chlorophenol	520	U	U	520	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	95-48-7	2-Methylphenol	1000	U	U	1000	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	1000	U	U	1000	ug/kg	6100-SED07A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG576	Sediment	04/26/2021	1.0	98-86-2	Acetophenone	1000	U	U	1000	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	106-44-5	4-Methylphenol	1000	U	U	1000	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	520	U	U	520	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	67-72-1	Hexachloroethane	520	U	U	520	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	98-95-3	Nitrobenzene	520	U	U	520	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	78-59-1	Isophorone	520	U	U	520	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	88-75-5	2-Nitrophenol	520	U	U	520	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	105-67-9	2,4-Dimethylphenol	520	U	U	520	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	520	U	U	520	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	120-83-2	2,4-Dichlorophenol	520	U	U	520	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	91-20-3	Naphthalene	520	U	U	520	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	106-47-8	4-Chloroaniline	1000	U	U	1000	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	87-68-3	Hexachlorobutadiene	520	U	U	520	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	105-60-2	Caprolactam	1000	U	U	1000	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	59-50-7	4-Chloro-3-methylphenol	520	U	U	520	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	90-12-0	1-Methylnaphthalene	520	U	U	520	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	91-57-6	2-Methylnaphthalene	520	U	U	520	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	77-47-4	Hexachlorocyclopentadiene	1000	U	U	1000	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	88-06-2	2,4,6-Trichlorophenol	520	U	U	520	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	95-95-4	2,4,5-Trichlorophenol	520	U	U	520	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	92-52-4	1,1-Biphenyl	520	U	U	520	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	91-58-7	2-Chloronaphthalene	520	U	U	520	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	88-74-4	2-Nitroaniline	520	U	UJ	520	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	131-11-3	Dimethylphthalate	520	U	U	520	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	606-20-2	2,6-Dinitrotoluene	520	U	U	520	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	208-96-8	Acenaphthylene	520	U	U	520	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	99-09-2	3-Nitroaniline	1000	U	UJ	1000	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	83-32-9	Acenaphthene	520	U	U	520	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	51-28-5	2,4-Dinitrophenol	1000	U	UJ	1000	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	100-02-7	4-Nitrophenol	1000	U	UJ	1000	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	132-64-9	Dibenzofuran	520	U	U	520	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	121-14-2	2,4-Dinitrotoluene	520	U	U	520	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	84-66-2	Diethylphthalate	520	U	U	520	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	86-73-7	Fluorene	520	U	U	520	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	520	U	U	520	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	100-01-6	4-Nitroaniline	1000	U	UJ	1000	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	1000	U	UJ	1000	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	86-30-6	N-Nitrosodiphenylamine	520	U	U	520	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	520	U	U	520	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	101-55-3	4-Bromophenyl-phenylether	520	U	U	520	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	118-74-1	Hexachlorobenzene	520	U	U	520	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	1912-24-9	Atrazine	1000	U	U	1000	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	87-86-5	Pentachlorophenol	1000	U	U	1000	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	85-01-8	Phenanthrene	520	U	U	520	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	120-12-7	Anthracene	520	U	U	520	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	86-74-8	Carbazole	1000	U	U	1000	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	84-74-2	Di-n-butylphthalate	520	U	U	520	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	206-44-0	Fluoranthene	520	U	U	520	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	129-00-0	Pyrene	520	U	U	520	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	85-68-7	Butylbenzylphthalate	520	U	U	520	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	91-94-1	3,3-Dichlorobenzidine	1000	U	U	1000	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	56-55-3	Benzo(a)anthracene	520	U	U	520	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	218-01-9	Chrysene	520	U	U	520	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	110	J	J	520	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	117-84-0	Di-n-octyl phthalate	1000	U	U	1000	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	205-99-2	Benzo(b)fluoranthene	520	U	U	520	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	207-08-9	Benzo(k)fluoranthene	520	U	U	520	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	50-32-8	Benzo(a)pyrene	520	U	U	520	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	520	U	U	520	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	520	U	U	520	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	191-24-2	Benzo(g,h,i)perylene	520	U	U	520	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	520	U	U	520	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	1000351-75-2	Eicosyl trifluoroacetate	240	JN	JN		ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	6100-SED07A
BG577	Sediment	04/26/2021	1.0	123-91-1	1,4-Dioxane	180	U	U	180	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	100-52-7	Benzaldehyde	890	U	U	890	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	108-95-2	Phenol	890	U	U	890	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	890	U	U	890	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	95-57-8	2-Chlorophenol	460	U	U	460	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	95-48-7	2-Methylphenol	890	U	U	890	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	890	U	U	890	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	98-86-2	Acetophenone	890	U	U	890	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	106-44-5	4-Methylphenol	890	U	U	890	ug/kg	6100-SED07B

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG577	Sediment	04/26/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	460	U	U	460	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	67-72-1	Hexachloroethane	460	U	U	460	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	98-95-3	Nitrobenzene	460	U	U	460	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	78-59-1	Isophorone	460	U	U	460	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	88-75-5	2-Nitrophenol	460	U	U	460	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	105-67-9	2,4-Dimethylphenol	460	U	U	460	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	460	U	U	460	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	120-83-2	2,4-Dichlorophenol	460	U	U	460	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	91-20-3	Naphthalene	460	U	U	460	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	106-47-8	4-Chloroaniline	890	U	U	890	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	87-68-3	Hexachlorobutadiene	460	U	U	460	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	105-60-2	Caprolactam	890	U	U	890	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	59-50-7	4-Chloro-3-methylphenol	460	U	U	460	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	90-12-0	1-Methylnaphthalene	460	U	U	460	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	91-57-6	2-Methylnaphthalene	460	U	U	460	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	77-47-4	Hexachlorocyclopentadiene	890	U	U	890	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	88-06-2	2,4,6-Trichlorophenol	460	U	U	460	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	95-95-4	2,4,5-Trichlorophenol	460	U	U	460	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	92-52-4	1,1-Biphenyl	460	U	U	460	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	91-58-7	2-Chloronaphthalene	460	U	U	460	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	88-74-4	2-Nitroaniline	460	U	UJ	460	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	131-11-3	Dimethylphthalate	460	U	U	460	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	606-20-2	2,6-Dinitrotoluene	460	U	U	460	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	208-96-8	Acenaphthylene	460	U	U	460	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	99-09-2	3-Nitroaniline	890	U	UJ	890	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	83-32-9	Acenaphthene	460	U	U	460	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	51-28-5	2,4-Dinitrophenol	890	U	UJ	890	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	100-02-7	4-Nitrophenol	890	U	UJ	890	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	132-64-9	Dibenzofuran	460	U	U	460	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	121-14-2	2,4-Dinitrotoluene	460	U	U	460	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	84-66-2	Diethylphthalate	460	U	U	460	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	86-73-7	Fluorene	460	U	U	460	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	460	U	U	460	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	100-01-6	4-Nitroaniline	890	U	UJ	890	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	890	U	UJ	890	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	86-30-6	N-Nitrosodiphenylamine	460	U	U	460	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	460	U	U	460	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	101-55-3	4-Bromophenyl-phenylether	460	U	U	460	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	118-74-1	Hexachlorobenzene	460	U	U	460	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	1912-24-9	Atrazine	890	U	U	890	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	87-86-5	Pentachlorophenol	890	U	U	890	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	85-01-8	Phenanthrene	460	U	U	460	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	120-12-7	Anthracene	460	U	U	460	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	86-74-8	Carbazole	890	U	U	890	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	84-74-2	Di-n-butylphthalate	460	U	U	460	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	206-44-0	Fluoranthene	460	U	U	460	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	129-00-0	Pyrene	460	U	U	460	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	85-68-7	Butylbenzylphthalate	460	U	U	460	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	91-94-1	3,3-Dichlorobenzidine	890	U	U	890	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	56-55-3	Benzo(a)anthracene	460	U	U	460	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	218-01-9	Chrysene	460	U	U	460	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	170	J	J	460	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	117-84-0	Di-n-octyl phthalate	890	U	U	890	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	205-99-2	Benzo(b)fluoranthene	460	U	U	460	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	207-08-9	Benzo(k)fluoranthene	460	U	U	460	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	50-32-8	Benzo(a)pyrene	460	U	U	460	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	460	U	U	460	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	460	U	U	460	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	191-24-2	Benzo(g,h,i)perylene	460	U	U	460	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	460	U	U	460	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	6100-SED07B
BG578	Sediment	04/26/2021	1.0	123-91-1	1,4-Dioxane	150	U	U	150	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	100-52-7	Benzaldehyde	740	U	U	740	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	108-95-2	Phenol	740	U	U	740	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	740	U	U	740	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	95-57-8	2-Chlorophenol	380	U	U	380	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	95-48-7	2-Methylphenol	740	U	U	740	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	740	U	U	740	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	98-86-2	Acetophenone	740	U	U	740	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	106-44-5	4-Methylphenol	740	U	U	740	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	380	U	U	380	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	67-72-1	Hexachloroethane	380	U	U	380	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	98-95-3	Nitrobenzene	380	U	U	380	ug/kg	6100-SED07C

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG578	Sediment	04/26/2021	1.0	78-59-1	Isophorone	380	U	U	380	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	88-75-5	2-Nitrophenol	380	U	U	380	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	105-67-9	2,4-Dimethylphenol	380	U	U	380	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	380	U	U	380	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	120-83-2	2,4-Dichlorophenol	380	U	U	380	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	91-20-3	Naphthalene	380	U	U	380	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	106-47-8	4-Chloroaniline	740	U	U	740	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	87-68-3	Hexachlorobutadiene	380	U	U	380	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	105-60-2	Caprolactam	740	U	U	740	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	59-50-7	4-Chloro-3-methylphenol	380	U	U	380	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	90-12-0	1-Methylnaphthalene	380	U	U	380	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	91-57-6	2-Methylnaphthalene	380	U	U	380	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	77-47-4	Hexachlorocyclopentadiene	740	U	U	740	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	88-06-2	2,4,6-Trichlorophenol	380	U	U	380	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	95-95-4	2,4,5-Trichlorophenol	380	U	U	380	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	92-52-4	1,1-Biphenyl	380	U	U	380	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	91-58-7	2-Chloronaphthalene	380	U	U	380	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	88-74-4	2-Nitroaniline	380	U	UJ	380	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	131-11-3	Dimethylphthalate	380	U	U	380	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	606-20-2	2,6-Dinitrotoluene	380	U	U	380	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	208-96-8	Acenaphthylene	380	U	U	380	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	99-09-2	3-Nitroaniline	740	U	UJ	740	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	83-32-9	Acenaphthene	380	U	U	380	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	51-28-5	2,4-Dinitrophenol	740	U	UJ	740	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	100-02-7	4-Nitrophenol	740	U	UJ	740	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	132-64-9	Dibenzofuran	380	U	U	380	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	121-14-2	2,4-Dinitrotoluene	380	U	U	380	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	84-66-2	Diethylphthalate	380	U	U	380	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	86-73-7	Fluorene	380	U	U	380	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	380	U	U	380	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	100-01-6	4-Nitroaniline	740	U	UJ	740	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	740	U	UJ	740	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	86-30-6	N-Nitrosodiphenylamine	380	U	U	380	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	380	U	U	380	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	101-55-3	4-Bromophenyl-phenylether	380	U	U	380	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	118-74-1	Hexachlorobenzene	380	U	U	380	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	1912-24-9	Atrazine	740	U	U	740	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	87-86-5	Pentachlorophenol	740	U	U	740	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	85-01-8	Phenanthrene	380	U	U	380	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	120-12-7	Anthracene	380	U	U	380	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	86-74-8	Carbazole	740	U	U	740	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	84-74-2	Di-n-butylphthalate	380	U	U	380	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	206-44-0	Fluoranthene	380	U	U	380	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	129-00-0	Pyrene	380	U	U	380	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	85-68-7	Butylbenzylphthalate	380	U	U	380	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	91-94-1	3,3-Dichlorobenzidine	740	U	U	740	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	56-55-3	Benzo(a)anthracene	380	U	U	380	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	218-01-9	Chrysene	380	U	U	380	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	78	J	J	380	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	117-84-0	Di-n-octyl phthalate	740	U	U	740	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	205-99-2	Benzo(b)fluoranthene	380	U	U	380	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	207-08-9	Benzo(k)fluoranthene	380	U	U	380	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	50-32-8	Benzo(a)pyrene	380	U	U	380	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	380	U	U	380	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	380	U	U	380	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	191-24-2	Benzo(g,h,i)perylene	380	U	U	380	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	380	U	U	380	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	6100-SED07C
BG579	Sediment	04/23/2021	1.0	123-91-1	1,4-Dioxane	93	U	U	93	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	100-52-7	Benzaldehyde	460	U	U	460	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	108-95-2	Phenol	460	U	U	460	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	460	U	U	460	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	95-57-8	2-Chlorophenol	240	U	U	240	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	95-48-7	2-Methylphenol	460	U	U	460	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	460	U	U	460	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	98-86-2	Acetophenone	460	U	U	460	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	106-44-5	4-Methylphenol	460	U	U	460	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	240	U	U	240	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	67-72-1	Hexachloroethane	240	U	U	240	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	98-95-3	Nitrobenzene	240	U	U	240	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	78-59-1	Isophorone	240	U	U	240	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	88-75-5	2-Nitrophenol	240	U	U	240	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	105-67-9	2,4-Dimethylphenol	240	U	U	240	ug/kg	6100-SED08A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG579	Sediment	04/23/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	240	U	U	240	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	120-83-2	2,4-Dichlorophenol	240	U	U	240	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	91-20-3	Naphthalene	240	U	U	240	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	106-47-8	4-Chloroaniline	460	U	U	460	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	87-68-3	Hexachlorobutadiene	240	U	U	240	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	105-60-2	Caprolactam	460	U	U	460	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	59-50-7	4-Chloro-3-methylphenol	240	U	U	240	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	90-12-0	1-Methylnaphthalene	240	U	U	240	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	91-57-6	2-Methylnaphthalene	240	U	U	240	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	77-47-4	Hexachlorocyclopentadiene	460	U	U	460	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	88-06-2	2,4,6-Trichlorophenol	240	U	U	240	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	95-95-4	2,4,5-Trichlorophenol	240	U	U	240	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	92-52-4	1,1-Biphenyl	240	U	U	240	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	91-58-7	2-Chloronaphthalene	240	U	U	240	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	88-74-4	2-Nitroaniline	240	U	UJ	240	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	131-11-3	Dimethylphthalate	240	U	U	240	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	606-20-2	2,6-Dinitrotoluene	240	U	U	240	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	208-96-8	Acenaphthylene	240	U	U	240	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	99-09-2	3-Nitroaniline	460	U	UJ	460	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	83-32-9	Acenaphthene	240	U	U	240	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	51-28-5	2,4-Dinitrophenol	460	U	UJ	460	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	100-02-7	4-Nitrophenol	460	U	UJ	460	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	132-64-9	Dibenzofuran	240	U	UJ	240	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	121-14-2	2,4-Dinitrotoluene	240	U	U	240	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	84-66-2	Diethylphthalate	240	U	U	240	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	86-73-7	Fluorene	240	U	UJ	240	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	240	U	UJ	240	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	100-01-6	4-Nitroaniline	460	U	UJ	460	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	460	U	UJ	460	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	86-30-6	N-Nitrosodiphenylamine	240	U	U	240	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	240	U	U	240	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	101-55-3	4-Bromophenyl-phenylether	240	U	UJ	240	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	118-74-1	Hexachlorobenzene	240	U	U	240	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	1912-24-9	Atrazine	460	U	U	460	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	87-86-5	Pentachlorophenol	460	U	U	460	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	85-01-8	Phenanthrene	47	J	J	240	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	120-12-7	Anthracene	240	U	U	240	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	86-74-8	Carbazole	460	U	UJ	460	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	84-74-2	Di-n-butylphthalate	240	U	U	240	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	206-44-0	Fluoranthene	120	J	J	240	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	129-00-0	Pyrene	250			240	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	85-68-7	Butylbenzylphthalate	240	U	U	240	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	91-94-1	3,3-Dichlorobenzidine	460	U	U	460	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	56-55-3	Benzo(a)anthracene	73	J	J	240	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	218-01-9	Chrysene	85	J	J	240	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	95	J	J	240	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	117-84-0	Di-n-octyl phthalate	460	U	U	460	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	205-99-2	Benzo(b)fluoranthene	91	J	J	240	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	207-08-9	Benzo(k)fluoranthene	240	U	U	240	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	50-32-8	Benzo(a)pyrene	96	J	J	240	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	240	U	U	240	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	240	U	U	240	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	191-24-2	Benzo(g,h,i)perylene	54	J	J	240	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	240	U	U	240	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	6100-SED08A
BG580	Sediment	04/23/2021	1.0	123-91-1	1,4-Dioxane	85	U	U	85	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	100-52-7	Benzaldehyde	420	U	U	420	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	108-95-2	Phenol	420	U	U	420	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	420	U	U	420	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	95-57-8	2-Chlorophenol	220	U	U	220	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	95-48-7	2-Methylphenol	420	U	U	420	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	420	U	U	420	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	98-86-2	Acetophenone	420	U	U	420	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	106-44-5	4-Methylphenol	420	U	U	420	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	220	U	U	220	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	67-72-1	Hexachloroethane	220	U	U	220	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	98-95-3	Nitrobenzene	220	U	U	220	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	78-59-1	Isophorone	220	U	U	220	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	88-75-5	2-Nitrophenol	220	U	U	220	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	105-67-9	2,4-Dimethylphenol	220	U	U	220	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	220	U	U	220	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	120-83-2	2,4-Dichlorophenol	220	U	U	220	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	91-20-3	Naphthalene	220	U	U	220	ug/kg	6100-SED08B

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG580	Sediment	04/23/2021	1.0	106-47-8	4-Chloroaniline	420	U	U	420	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	87-68-3	Hexachlorobutadiene	220	U	U	220	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	105-60-2	Caprolactam	420	U	U	420	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	59-50-7	4-Chloro-3-methylphenol	220	U	U	220	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	90-12-0	1-Methylnaphthalene	220	U	U	220	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	91-57-6	2-Methylnaphthalene	220	U	U	220	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	77-47-4	Hexachlorocyclopentadiene	420	U	U	420	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	88-06-2	2,4,6-Trichlorophenol	220	U	U	220	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	95-95-4	2,4,5-Trichlorophenol	220	U	U	220	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	92-52-4	1,1-Biphenyl	220	U	U	220	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	91-58-7	2-Chloronaphthalene	220	U	U	220	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	88-74-4	2-Nitroaniline	220	U	U	220	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	131-11-3	Dimethylphthalate	220	U	U	220	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	606-20-2	2,6-Dinitrotoluene	220	U	U	220	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	208-96-8	Acenaphthylene	220	U	U	220	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	99-09-2	3-Nitroaniline	420	U	U	420	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	83-32-9	Acenaphthene	220	U	U	220	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	51-28-5	2,4-Dinitrophenol	420	U	U	420	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	100-02-7	4-Nitrophenol	420	U	U	420	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	132-64-9	Dibenzofuran	220	U	U	220	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	121-14-2	2,4-Dinitrotoluene	220	U	U	220	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	84-66-2	Diethylphthalate	220	U	U	220	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	86-73-7	Fluorene	220	U	U	220	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	220	U	U	220	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	100-01-6	4-Nitroaniline	420	U	U	420	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	420	U	U	420	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	86-30-6	N-Nitrosodiphenylamine	220	U	U	220	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	220	U	U	220	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	101-55-3	4-Bromophenyl-phenylether	220	U	U	220	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	118-74-1	Hexachlorobenzene	220	U	U	220	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	1912-24-9	Atrazine	420	U	U	420	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	87-86-5	Pentachlorophenol	420	U	U	420	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	85-01-8	Phenanthrene	220	U	U	220	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	120-12-7	Anthracene	220	U	U	220	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	86-74-8	Carbazole	420	U	U	420	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	84-74-2	Di-n-butylphthalate	220	U	U	220	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	206-44-0	Fluoranthene	220	U	U	220	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	129-00-0	Pyrene	44	J	J	220	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	85-68-7	Butylbenzylphthalate	220	U	U	220	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	91-94-1	3,3-Dichlorobenzidine	420	U	U	420	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	56-55-3	Benzo(a)anthracene	220	U	U	220	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	218-01-9	Chrysene	220	U	U	220	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	220	U	U	220	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	117-84-0	Di-n-octyl phthalate	420	U	U	420	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	205-99-2	Benzo(b)fluoranthene	220	U	U	220	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	207-08-9	Benzo(k)fluoranthene	220	U	U	220	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	50-32-8	Benzo(a)pyrene	220	U	U	220	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	220	U	U	220	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	220	U	U	220	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	191-24-2	Benzo(g,h,i)perylene	220	U	U	220	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	220	U	U	220	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	6100-SED08B
BG581	Sediment	04/23/2021	1.0	123-91-1	1,4-Dioxane	85	U	U	85	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	100-52-7	Benzaldehyde	420	U	U	420	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	108-95-2	Phenol	420	U	U	420	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	420	U	U	420	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	95-57-8	2-Chlorophenol	220	U	U	220	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	95-48-7	2-Methylphenol	420	U	U	420	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	420	U	U	420	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	98-86-2	Acetophenone	420	U	U	420	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	106-44-5	4-Methylphenol	420	U	U	420	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	220	U	U	220	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	67-72-1	Hexachloroethane	220	U	U	220	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	98-95-3	Nitrobenzene	220	U	U	220	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	78-59-1	Isophorone	220	U	U	220	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	88-75-5	2-Nitrophenol	220	U	U	220	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	105-67-9	2,4-Dimethylphenol	220	U	U	220	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	220	U	U	220	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	120-83-2	2,4-Dichlorophenol	220	U	U	220	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	91-20-3	Naphthalene	220	U	U	220	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	106-47-8	4-Chloroaniline	420	U	U	420	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	87-68-3	Hexachlorobutadiene	220	U	U	220	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	105-60-2	Caprolactam	420	U	U	420	ug/kg	6100-SED08C

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG581	Sediment	04/23/2021	1.0	59-50-7	4-Chloro-3-methylphenol	220	U	U	220	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	90-12-0	1-Methylnaphthalene	220	U	U	220	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	91-57-6	2-Methylnaphthalene	220	U	U	220	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	77-47-4	Hexachlorocyclopentadiene	420	U	U	420	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	88-06-2	2,4,6-Trichlorophenol	220	U	U	220	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	95-95-4	2,4,5-Trichlorophenol	220	U	U	220	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	92-52-4	1,1-Biphenyl	220	U	U	220	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	91-58-7	2-Chloronaphthalene	220	U	U	220	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	88-74-4	2-Nitroaniline	220	U	UJ	220	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	131-11-3	Dimethylphthalate	220	U	U	220	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	606-20-2	2,6-Dinitrotoluene	220	U	U	220	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	208-96-8	Acenaphthylene	220	U	U	220	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	99-09-2	3-Nitroaniline	420	U	UJ	420	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	83-32-9	Acenaphthene	220	U	U	220	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	51-28-5	2,4-Dinitrophenol	420	U	UJ	420	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	100-02-7	4-Nitrophenol	420	U	UJ	420	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	132-64-9	Dibenzofuran	220	U	U	220	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	121-14-2	2,4-Dinitrotoluene	220	U	U	220	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	84-66-2	Diethylphthalate	220	U	U	220	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	86-73-7	Fluorene	220	U	U	220	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	220	U	U	220	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	100-01-6	4-Nitroaniline	420	U	UJ	420	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	420	U	U	420	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	86-30-6	N-Nitrosodiphenylamine	220	U	U	220	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	220	U	U	220	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	101-55-3	4-Bromophenyl-phenylether	220	U	U	220	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	118-74-1	Hexachlorobenzene	220	U	U	220	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	1912-24-9	Atrazine	420	U	U	420	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	87-86-5	Pentachlorophenol	420	U	U	420	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	85-01-8	Phenanthrene	42	J	J	220	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	120-12-7	Anthracene	220	U	U	220	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	86-74-8	Carbazole	420	U	U	420	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	84-74-2	Di-n-butylphthalate	220	U	U	220	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	206-44-0	Fluoranthene	120	J	J	220	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	129-00-0	Pyrene	130	J	J	220	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	85-68-7	Butylbenzylphthalate	220	U	U	220	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	91-94-1	3,3-Dichlorobenzidine	420	U	U	420	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	56-55-3	Benzo(a)anthracene	59	J	J	220	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	218-01-9	Chrysene	60	J	J	220	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	45	J	J	220	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	117-84-0	Di-n-octyl phthalate	420	U	U	420	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	205-99-2	Benzo(b)fluoranthene	65	J	J	220	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	207-08-9	Benzo(k)fluoranthene	220	U	U	220	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	50-32-8	Benzo(a)pyrene	55	J	J	220	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	220	U	U	220	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	220	U	U	220	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	191-24-2	Benzo(g,h,i)perylene	220	U	U	220	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	220	U	U	220	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	E966796	Total Alkanes	270	B	B		ug/kg	6100-SED08C
BG582	Sediment	04/23/2021	1.0	123-91-1	1,4-Dioxane	110	U	U	110	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	100-52-7	Benzaldehyde	540	U	U	540	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	108-95-2	Phenol	89	J	J	540	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	540	U	U	540	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	95-57-8	2-Chlorophenol	280	U	U	280	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	95-48-7	2-Methylphenol	540	U	U	540	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	540	U	U	540	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	98-86-2	Acetophenone	540	U	U	540	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	106-44-5	4-Methylphenol	79	J	J	540	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	280	U	U	280	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	67-72-1	Hexachloroethane	280	U	U	280	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	98-95-3	Nitrobenzene	280	U	U	280	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	78-59-1	Isophorone	280	U	U	280	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	88-75-5	2-Nitrophenol	280	U	U	280	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	105-67-9	2,4-Dimethylphenol	280	U	U	280	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	280	U	U	280	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	120-83-2	2,4-Dichlorophenol	280	U	U	280	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	91-20-3	Naphthalene	74	J	J	280	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	106-47-8	4-Chloroaniline	540	U	U	540	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	87-68-3	Hexachlorobutadiene	280	U	U	280	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	105-60-2	Caprolactam	540	U	U	540	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	59-50-7	4-Chloro-3-methylphenol	280	U	U	280	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	90-12-0	1-Methylnaphthalene	280	U	U	280	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	91-57-6	2-Methylnaphthalene	70	J	J	280	ug/kg	6100-SED09A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG582	Sediment	04/23/2021	1.0	77-47-4	Hexachlorocyclopentadiene	540	U	U	540	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	88-06-2	2,4,6-Trichlorophenol	280	U	U	280	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	95-95-4	2,4,5-Trichlorophenol	280	U	U	280	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	92-52-4	1,1-Biphenyl	280	U	U	280	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	91-58-7	2-Chloronaphthalene	280	U	U	280	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	88-74-4	2-Nitroaniline	280	U	U	280	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	131-11-3	Dimethylphthalate	280	U	U	280	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	606-20-2	2,6-Dinitrotoluene	280	U	U	280	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	208-96-8	Acenaphthylene	280	U	U	280	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	99-09-2	3-Nitroaniline	540	U	U	540	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	83-32-9	Acenaphthene	81	J	J	280	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	51-28-5	2,4-Dinitrophenol	540	U	U	540	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	100-02-7	4-Nitrophenol	540	U	U	540	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	132-64-9	Dibenzofuran	280	U	U	280	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	121-14-2	2,4-Dinitrotoluene	280	U	U	280	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	84-66-2	Diethylphthalate	280	U	U	280	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	86-73-7	Fluorene	280	U	U	280	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	280	U	U	280	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	100-01-6	4-Nitroaniline	540	U	U	540	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	540	U	U	540	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	86-30-6	N-Nitrosodiphenylamine	280	U	U	280	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	280	U	U	280	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	101-55-3	4-Bromophenyl-phenylether	280	U	U	280	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	118-74-1	Hexachlorobenzene	280	U	U	280	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	1912-24-9	Atrazine	540	U	U	540	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	87-86-5	Pentachlorophenol	540	U	U	540	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	85-01-8	Phenanthrene	480			280	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	120-12-7	Anthracene	110	J	J	280	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	86-74-8	Carbazole	540	U	U	540	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	84-74-2	Di-n-butylphthalate	280	U	U	280	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	206-44-0	Fluoranthene	1000			280	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	129-00-0	Pyrene	990			280	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	85-68-7	Butylbenzylphthalate	280	U	U	280	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	91-94-1	3,3-Dichlorobenzidine	540	U	U	540	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	56-55-3	Benzo(a)anthracene	350			280	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	218-01-9	Chrysene	450			280	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	970			280	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	117-84-0	Di-n-octyl phthalate	540	U	U	540	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	205-99-2	Benzo(b)fluoranthene	410			280	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	207-08-9	Benzo(k)fluoranthene	120	J	J	280	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	50-32-8	Benzo(a)pyrene	300			280	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	160	J	J	280	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	57	J	J	280	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	191-24-2	Benzo(g,h,i)perylene	200	J	J	280	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	280	U	U	280	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	000829-26-5	Naphthalene, 2,3,6-trimethyl-	570	JN	JN		ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	000949-41-7	1H-Cyclopropa[l]phenanthrene,1a,9b	380	JN	JN		ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	002131-41-1	Naphthalene, 1,4,5-trimethyl-	750	JN	JN		ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	002131-42-2	Naphthalene, 1,4,6-trimethyl-	380	JN	JN		ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	002958-76-1	Naphthalene, decahydro-2-methyl-	370	JN	JN		ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	003031-15-0	Naphthalene, 1,2,3,4-tetramethyl-	340	JN	JN		ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	003674-66-6	Phenanthrene, 2,5-dimethyl-	570	JN	JN		ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	005989-27-5	D-Limonene	230	JN	JN		ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	006566-19-4	10,18-Bisnorabieta-5,7,9(10),11,13	940	JN	JN		ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	013066-51-8	6-Octen-1-ol, 7-methyl-3-methylene	640	JN	JN		ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	033930-85-7	Benzene, (4,5,5-trimethyl-1,3-cycl	300	JN	JN		ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	066660-41-1	cis,trans-3-Ethylbicyclo[4.4.0]dec	540	JN	JN		ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	074793-36-5	Zinc, bis[2-(1,1-dimethylethyl)-3,	900	JN	JN		ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	080655-44-3	Decahydro-4,4,8,9,10-pentamethylna	510	JN	JN		ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	E966796	Total Alkanes	15000	B	B		ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	unknown-03	unknown-03	110	J	J		ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	unknown-01	unknown-01	160	J	J		ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	unknown-05	unknown-05	110	J	J		ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	unknown-04	unknown-04	110	J	J		ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	unknown-02	unknown-02	200	J	J		ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	unknown-06	unknown-06	130	J	J		ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	unknown-08	unknown-08	130	J	J		ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	unknown-07	unknown-07	400	J	J		ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	unknown-09	unknown-09	280	J	J		ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	unknown-12	unknown-12	320	J	J		ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	unknown-11	unknown-11	620	J	J		ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	unknown-10	unknown-10	990	J	J		ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	000473-08-5	7-Isopropenyl-1,4a-dimethyl-4,4a,5	2800	JN	JN		ug/kg	6100-SED09A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG582	Sediment	04/23/2021	1.0	000483-65-8	Retene	2100	JN	JN		ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	000581-40-8	Naphthalene, 2,3-dimethyl-	600	JN	JN		ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	000779-02-2	Anthracene, 9-methyl-	520	JN	JN		ug/kg	6100-SED09A
BG583	Sediment	04/23/2021	1.0	123-91-1	1,4-Dioxane	110	U	U	110	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	100-52-7	Benzaldehyde	550	U	U	550	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	108-95-2	Phenol	62	J	J	550	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	550	U	U	550	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	95-57-8	2-Chlorophenol	280	U	U	280	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	95-48-7	2-Methylphenol	550	U	U	550	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	550	U	U	550	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	98-86-2	Acetophenone	550	U	U	550	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	106-44-5	4-Methylphenol	550	U	U	550	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	280	U	U	280	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	67-72-1	Hexachloroethane	280	U	U	280	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	98-95-3	Nitrobenzene	280	U	U	280	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	78-59-1	Isophorone	280	U	U	280	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	88-75-5	2-Nitrophenol	280	U	U	280	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	105-67-9	2,4-Dimethylphenol	280	U	U	280	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	280	U	U	280	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	120-83-2	2,4-Dichlorophenol	280	U	U	280	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	91-20-3	Naphthalene	280	U	U	280	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	106-47-8	4-Chloroaniline	100	J	J	550	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	87-68-3	Hexachlorobutadiene	280	U	U	280	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	105-60-2	Caprolactam	550	U	U	550	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	59-50-7	4-Chloro-3-methylphenol	280	U	U	280	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	90-12-0	1-Methylnaphthalene	61	J	J	280	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	91-57-6	2-Methylnaphthalene	76	J	J	280	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	77-47-4	Hexachlorocyclopentadiene	550	U	U	550	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	88-06-2	2,4,6-Trichlorophenol	280	U	U	280	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	95-95-4	2,4,5-Trichlorophenol	280	U	U	280	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	92-52-4	1,1-Biphenyl	280	U	U	280	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	91-58-7	2-Chloronaphthalene	280	U	U	280	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	88-74-4	2-Nitroaniline	280	U	U	280	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	131-11-3	Dimethylphthalate	63	J	J	280	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	606-20-2	2,6-Dinitrotoluene	280	U	U	280	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	208-96-8	Acenaphthylene	280	U	U	280	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	99-09-2	3-Nitroaniline	550	U	U	550	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	83-32-9	Acenaphthene	280	U	U	280	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	51-28-5	2,4-Dinitrophenol	550	U	U	550	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	100-02-7	4-Nitrophenol	550	U	U	550	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	132-64-9	Dibenzofuran	280	U	U	280	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	121-14-2	2,4-Dinitrotoluene	280	U	U	280	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	84-66-2	Diethylphthalate	280	U	U	280	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	86-73-7	Fluorene	280	U	U	280	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	280	U	U	280	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	100-01-6	4-Nitroaniline	550	U	U	550	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	550	U	U	550	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	86-30-6	N-Nitrosodiphenylamine	280	U	U	280	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	280	U	U	280	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	101-55-3	4-Bromophenyl-phenylether	280	U	U	280	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	118-74-1	Hexachlorobenzene	280	U	U	280	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	1912-24-9	Atrazine	550	U	U	550	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	87-86-5	Pentachlorophenol	550	U	U	550	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	85-01-8	Phenanthrene	130	J	J	280	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	120-12-7	Anthracene	280	U	U	280	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	86-74-8	Carbazole	550	U	U	550	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	84-74-2	Di-n-butylphthalate	280	U	U	280	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	206-44-0	Fluoranthene	370			280	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	129-00-0	Pyrene	380			280	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	85-68-7	Butylbenzylphthalate	120	J	J	280	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	91-94-1	3,3-Dichlorobenzidine	550	U	U	550	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	56-55-3	Benzo(a)anthracene	130	J	J	280	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	218-01-9	Chrysene	160	J	J	280	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	2500			280	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	117-84-0	Di-n-octyl phthalate	550	U	U	550	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	205-99-2	Benzo(b)fluoranthene	180	J	J	280	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	207-08-9	Benzo(k)fluoranthene	58	J	J	280	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	50-32-8	Benzo(a)pyrene	130	J	J	280	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	69	J	J	280	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	280	U	U	280	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	191-24-2	Benzo(g,h,i)perylene	87	J	J	280	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	280	U	U	280	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	unknown-03	unknown-03	210	J	J		ug/kg	6100-SED09B

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG583	Sediment	04/23/2021	1.0	000488-23-3	Benzene, 1,2,3,4-tetramethyl-	150	JN	JN		ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	000526-73-8	Benzene, 1,2,3-trimethyl-	130	JN	JN		ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	000527-84-4	o-Cymene	190	JN	JN		ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	000934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	270	JN	JN		ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	001758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	160	JN	JN		ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	002039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	180	JN	JN		ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	003320-83-0	Benzene, 1-chloro-2-isocyanato-	190	JN	JN		ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	006682-71-9	1H-Indene, 2,3-dihydro-4,7-dimethy	130	JN	JN		ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	1000309-19-2	Sulfurous acid, 2-ethylhexyl nonyl	410	JN	JN		ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	E966796	Total Alkanes	4200	B	B		ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	unknown-01	unknown-01	260	J	J		ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	unknown-02	unknown-02	310	J	J		ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	000095-93-2	Benzene, 1,2,4,5-tetramethyl-	210	JN	JN		ug/kg	6100-SED09B
BG584	Sediment	04/23/2021	1.0	123-91-1	1,4-Dioxane	110	U	U	110	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	100-52-7	Benzaldehyde	540	U	U	540	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	108-95-2	Phenol	75	J	J	540	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	540	U	U	540	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	95-57-8	2-Chlorophenol	280	U	U	280	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	95-48-7	2-Methylphenol	540	U	U	540	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	540	U	U	540	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	98-86-2	Acetophenone	77	J	J	540	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	106-44-5	4-Methylphenol	540	U	U	540	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	280	U	U	280	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	67-72-1	Hexachloroethane	280	U	U	280	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	98-95-3	Nitrobenzene	280	U	U	280	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	78-59-1	Isophorone	280	U	U	280	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	88-75-5	2-Nitrophenol	280	U	U	280	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	105-67-9	2,4-Dimethylphenol	280	U	U	280	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	280	U	U	280	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	120-83-2	2,4-Dichlorophenol	280	U	U	280	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	91-20-3	Naphthalene	550			280	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	106-47-8	4-Chloroaniline	540	U	U	540	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	87-68-3	Hexachlorobutadiene	280	U	U	280	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	105-60-2	Caprolactam	540	U	U	540	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	59-50-7	4-Chloro-3-methylphenol	280	U	U	280	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	90-12-0	1-Methylnaphthalene	80	J	J	280	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	91-57-6	2-Methylnaphthalene	150	J	J	280	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	77-47-4	Hexachlorocyclopentadiene	540	U	U	540	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	88-06-2	2,4,6-Trichlorophenol	280	U	U	280	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	95-95-4	2,4,5-Trichlorophenol	280	U	U	280	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	92-52-4	1,1-Biphenyl	280	U	U	280	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	91-58-7	2-Chloronaphthalene	280	U	U	280	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	88-74-4	2-Nitroaniline	280	U	U	280	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	131-11-3	Dimethylphthalate	56	J	J	280	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	606-20-2	2,6-Dinitrotoluene	280	U	U	280	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	208-96-8	Acenaphthylene	280	U	U	280	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	99-09-2	3-Nitroaniline	540	U	U	540	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	83-32-9	Acenaphthene	350			280	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	51-28-5	2,4-Dinitrophenol	540	U	U	540	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	100-02-7	4-Nitrophenol	540	U	U	540	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	132-64-9	Dibenzofuran	310			280	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	121-14-2	2,4-Dinitrotoluene	280	U	U	280	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	84-66-2	Diethylphthalate	280	U	U	280	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	86-73-7	Fluorene	290			280	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	280	U	U	280	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	100-01-6	4-Nitroaniline	540	U	U	540	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	540	U	U	540	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	86-30-6	N-Nitrosodiphenylamine	280	U	U	280	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	280	U	U	280	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	101-55-3	4-Bromophenyl-phenylether	280	U	U	280	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	118-74-1	Hexachlorobenzene	280	U	U	280	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	1912-24-9	Atrazine	540	U	U	540	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	87-86-5	Pentachlorophenol	540	U	U	540	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	85-01-8	Phenanthrene	2600			280	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	120-12-7	Anthracene	290			280	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	86-74-8	Carbazole	260	J	J	540	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	84-74-2	Di-n-butylphthalate	280	U	U	280	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	206-44-0	Fluoranthene	3100			280	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	129-00-0	Pyrene	2300			280	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	85-68-7	Butylbenzylphthalate	81	J	J	280	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	91-94-1	3,3-Dichlorobenzidine	540	U	U	540	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	56-55-3	Benzo(a)anthracene	1000			280	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	218-01-9	Chrysene	1200			280	ug/kg	6100-SED09C

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG584	Sediment	04/23/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	2100			280	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	117-84-0	Di-n-octyl phthalate	540	U	U	540	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	205-99-2	Benzo(b)fluoranthene	1400			280	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	207-08-9	Benzo(k)fluoranthene	400			280	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	50-32-8	Benzo(a)pyrene	890			280	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	460			280	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	160	J	J	280	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	191-24-2	Benzo(g,h,i)perylene	500			280	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	280	U	U	280	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	000832-69-9	Phenanthrene, 1-methyl-	400	JN	JN		ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	003218-36-8	[1,1-Biphenyl]-4-carboxaldehyde	130	JN	JN		ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	082520-37-4	Benzophenone, 3-methoxy-4-methyl-	130	JN	JN		ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	000613-12-7	Anthracene, 2-methyl-	180	JN	JN		ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	000486-25-9	9H-Fluoren-9-one	270	JN	JN		ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	000203-64-5	4H-Cyclopenta[def]phenanthrene	300	JN	JN		ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	000132-65-0	Dibenzothiophene	340	JN	JN		ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	000084-65-1	9,10-Anthracenedione	320	JN	JN		ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	E966796	Total Alkanes	630	B	B		ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	unknown-02	unknown-02	150	J	J		ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	unknown-01	unknown-01	180	J	J		ug/kg	6100-SED09C
BG585	Sediment	04/26/2021	1.0	123-91-1	1,4-Dioxane	150	U	U	150	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	100-52-7	Benzaldehyde	750	U	U	750	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	108-95-2	Phenol	750	U	U	750	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	750	U	U	750	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	95-57-8	2-Chlorophenol	390	U	U	390	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	95-48-7	2-Methylphenol	750	U	U	750	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	750	U	U	750	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	98-86-2	Acetophenone	750	U	U	750	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	106-44-5	4-Methylphenol	750	U	U	750	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	390	U	U	390	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	67-72-1	Hexachloroethane	390	U	U	390	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	98-95-3	Nitrobenzene	390	U	U	390	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	78-59-1	Isophorone	390	U	U	390	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	88-75-5	2-Nitrophenol	390	U	U	390	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	105-67-9	2,4-Dimethylphenol	390	U	U	390	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	390	U	U	390	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	120-83-2	2,4-Dichlorophenol	390	U	U	390	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	91-20-3	Naphthalene	390	U	U	390	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	106-47-8	4-Chloroaniline	750	U	U	750	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	87-68-3	Hexachlorobutadiene	390	U	U	390	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	105-60-2	Caprolactam	750	U	U	750	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	59-50-7	4-Chloro-3-methylphenol	390	U	U	390	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	90-12-0	1-Methylnaphthalene	390	U	U	390	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	91-57-6	2-Methylnaphthalene	390	U	U	390	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	77-47-4	Hexachlorocyclopentadiene	750	U	U	750	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	88-06-2	2,4,6-Trichlorophenol	390	U	U	390	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	95-95-4	2,4,5-Trichlorophenol	390	U	U	390	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	92-52-4	1,1-Biphenyl	390	U	U	390	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	91-58-7	2-Chloronaphthalene	390	U	U	390	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	88-74-4	2-Nitroaniline	390	U	U	390	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	131-11-3	Dimethylphthalate	390	U	U	390	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	606-20-2	2,6-Dinitrotoluene	390	U	U	390	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	208-96-8	Acenaphthylene	390	U	U	390	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	99-09-2	3-Nitroaniline	750	U	U	750	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	83-32-9	Acenaphthene	390	U	U	390	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	51-28-5	2,4-Dinitrophenol	750	U	U	750	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	100-02-7	4-Nitrophenol	750	U	U	750	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	132-64-9	Dibenzofuran	390	U	U	390	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	121-14-2	2,4-Dinitrotoluene	390	U	U	390	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	84-66-2	Diethylphthalate	390	U	U	390	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	86-73-7	Fluorene	390	U	U	390	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	390	U	U	390	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	100-01-6	4-Nitroaniline	750	U	U	750	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	750	U	U	750	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	86-30-6	N-Nitrosodiphenylamine	390	U	U	390	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	390	U	U	390	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	101-55-3	4-Bromophenyl-phenylether	390	U	U	390	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	118-74-1	Hexachlorobenzene	390	U	U	390	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	1912-24-9	Atrazine	750	U	U	750	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	87-86-5	Pentachlorophenol	750	U	U	750	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	85-01-8	Phenanthrene	140	J	J	390	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	120-12-7	Anthracene	390	U	U	390	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	86-74-8	Carbazole	750	U	U	750	ug/kg	6100-SED10A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG585	Sediment	04/26/2021	1.0	84-74-2	Di-n-butylphthalate	390	U	U	390	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	206-44-0	Fluoranthene	210	J	J	390	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	129-00-0	Pyrene	270	J	J	390	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	85-68-7	Butylbenzylphthalate	390	U	U	390	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	91-94-1	3,3-Dichlorobenzidine	750	U	U	750	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	56-55-3	Benzo(a)anthracene	110	J	J	390	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	218-01-9	Chrysene	100	J	J	390	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	90	J	J	390	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	117-84-0	Di-n-octyl phthalate	750	U	U	750	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	205-99-2	Benzo(b)fluoranthene	110	J	J	390	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	207-08-9	Benzo(k)fluoranthene	390	U	U	390	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	50-32-8	Benzo(a)pyrene	95	J	J	390	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	390	U	U	390	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	390	U	U	390	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	191-24-2	Benzo(g,h,i)perylene	390	U	U	390	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	390	U	U	390	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	002136-72-3	Ethanol, 2-(octadecyloxy)-	180	JN	JN		ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	6100-SED10A
BG586	Sediment	04/26/2021	1.0	123-91-1	1,4-Dioxane	160	U	U	160	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	100-52-7	Benzaldehyde	770	U	U	770	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	108-95-2	Phenol	89	J	J	770	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	770	U	U	770	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	95-57-8	2-Chlorophenol	400	U	U	400	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	95-48-7	2-Methylphenol	770	U	U	770	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	770	U	U	770	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	98-86-2	Acetophenone	770	U	U	770	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	106-44-5	4-Methylphenol	770	U	U	770	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	400	U	U	400	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	67-72-1	Hexachloroethane	400	U	U	400	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	98-95-3	Nitrobenzene	400	U	U	400	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	78-59-1	Isophorone	400	U	U	400	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	88-75-5	2-Nitrophenol	400	U	U	400	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	105-67-9	2,4-Dimethylphenol	400	U	U	400	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	400	U	U	400	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	120-83-2	2,4-Dichlorophenol	400	U	U	400	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	91-20-3	Naphthalene	400	U	U	400	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	106-47-8	4-Chloroaniline	770	U	U	770	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	87-68-3	Hexachlorobutadiene	400	U	U	400	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	105-60-2	Caprolactam	770	U	U	770	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	59-50-7	4-Chloro-3-methylphenol	400	U	U	400	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	90-12-0	1-Methylnaphthalene	400	U	U	400	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	91-57-6	2-Methylnaphthalene	400	U	U	400	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	77-47-4	Hexachlorocyclopentadiene	770	U	U	770	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	88-06-2	2,4,6-Trichlorophenol	400	U	U	400	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	95-95-4	2,4,5-Trichlorophenol	400	U	U	400	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	92-52-4	1,1-Biphenyl	400	U	U	400	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	91-58-7	2-Chloronaphthalene	400	U	U	400	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	88-74-4	2-Nitroaniline	400	U	UJ	400	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	131-11-3	Dimethylphthalate	400	U	U	400	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	606-20-2	2,6-Dinitrotoluene	400	U	U	400	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	208-96-8	Acenaphthylene	400	U	U	400	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	99-09-2	3-Nitroaniline	770	U	UJ	770	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	83-32-9	Acenaphthene	400	U	U	400	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	51-28-5	2,4-Dinitrophenol	770	U	UJ	770	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	100-02-7	4-Nitrophenol	770	U	UJ	770	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	132-64-9	Dibenzofuran	400	U	U	400	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	121-14-2	2,4-Dinitrotoluene	400	U	U	400	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	84-66-2	Diethylphthalate	400	U	U	400	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	86-73-7	Fluorene	400	U	U	400	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	400	U	U	400	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	100-01-6	4-Nitroaniline	770	U	UJ	770	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	770	U	UJ	770	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	86-30-6	N-Nitrosodiphenylamine	400	U	U	400	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	400	U	U	400	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	101-55-3	4-Bromophenyl-phenylether	400	U	U	400	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	118-74-1	Hexachlorobenzene	400	U	U	400	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	1912-24-9	Atrazine	770	U	U	770	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	87-86-5	Pentachlorophenol	770	U	U	770	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	85-01-8	Phenanthrene	400	U	U	400	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	120-12-7	Anthracene	400	U	U	400	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	86-74-8	Carbazole	770	U	U	770	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	84-74-2	Di-n-butylphthalate	400	U	U	400	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	206-44-0	Fluoranthene	260	J	J	400	ug/kg	6100-SED10B

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG586	Sediment	04/26/2021	1.0	129-00-0	Pyrene	250	J	J	400	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	85-68-7	Butylbenzylphthalate	400	U	U	400	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	91-94-1	3,3-Dichlorobenzidine	770	U	U	770	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	56-55-3	Benzo(a)anthracene	400	U	U	400	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	218-01-9	Chrysene	100	J	J	400	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	2200			400	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	117-84-0	Di-n-octyl phthalate	770	U	U	770	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	205-99-2	Benzo(b)fluoranthene	85	J	J	400	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	207-08-9	Benzo(k)fluoranthene	400	U	U	400	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	50-32-8	Benzo(a)pyrene	400	U	U	400	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	400	U	U	400	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	400	U	U	400	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	191-24-2	Benzo(g,h,i)perylene	400	U	U	400	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	400	U	U	400	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	unknown-02	unknown-02	180	J	J		ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	unknown-01	unknown-01	230	J	J		ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	000057-10-3	n-Hexadecanoic acid	480	JN	JN		ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	002245-38-7	Naphthalene, 1,6,7-trimethyl-	160	JN	JN		ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	158748-69-7	Phosphine, methyl-(2,4,6-triisopro	4200	JN	JN		ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	166273-37-6	Pentanoic acid, 5-hydroxy-, p-t-bu	180	JN	JN		ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	E966796	Total Alkanes	3300	B	B		ug/kg	6100-SED10B
BG587	Sediment	04/26/2021	1.0	123-91-1	1,4-Dioxane	87	U	U	87	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	100-52-7	Benzaldehyde	430	U	U	430	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	108-95-2	Phenol	430	U	U	430	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	430	U	U	430	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	95-57-8	2-Chlorophenol	220	U	U	220	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	95-48-7	2-Methylphenol	430	U	U	430	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	430	U	U	430	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	98-86-2	Acetophenone	430	U	U	430	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	106-44-5	4-Methylphenol	430	U	U	430	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	220	U	U	220	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	67-72-1	Hexachloroethane	220	U	U	220	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	98-95-3	Nitrobenzene	220	U	U	220	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	78-59-1	Isophorone	220	U	U	220	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	88-75-5	2-Nitrophenol	220	U	U	220	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	105-67-9	2,4-Dimethylphenol	220	U	U	220	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	220	U	U	220	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	120-83-2	2,4-Dichlorophenol	220	U	U	220	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	91-20-3	Naphthalene	220	U	U	220	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	106-47-8	4-Chloroaniline	430	U	U	430	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	87-68-3	Hexachlorobutadiene	220	U	U	220	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	105-60-2	Caprolactam	430	U	U	430	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	59-50-7	4-Chloro-3-methylphenol	220	U	U	220	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	90-12-0	1-Methylnaphthalene	220	U	U	220	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	91-57-6	2-Methylnaphthalene	220	U	U	220	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	77-47-4	Hexachlorocyclopentadiene	430	U	U	430	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	88-06-2	2,4,6-Trichlorophenol	220	U	U	220	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	95-95-4	2,4,5-Trichlorophenol	220	U	U	220	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	92-52-4	1,1-Biphenyl	220	U	U	220	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	91-58-7	2-Chloronaphthalene	220	U	U	220	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	88-74-4	2-Nitroaniline	220	U	UJ	220	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	131-11-3	Dimethylphthalate	50	J	J	220	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	606-20-2	2,6-Dinitrotoluene	220	U	U	220	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	208-96-8	Acenaphthylene	220	U	U	220	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	99-09-2	3-Nitroaniline	430	U	UJ	430	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	83-32-9	Acenaphthene	71	J	J	220	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	51-28-5	2,4-Dinitrophenol	430	U	UJ	430	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	100-02-7	4-Nitrophenol	430	U	UJ	430	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	132-64-9	Dibenzofuran	220	U	U	220	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	121-14-2	2,4-Dinitrotoluene	220	U	U	220	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	84-66-2	Diethylphthalate	220	U	U	220	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	86-73-7	Fluorene	220	U	U	220	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	220	U	U	220	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	100-01-6	4-Nitroaniline	430	U	UJ	430	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	430	U	UJ	430	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	86-30-6	N-Nitrosodiphenylamine	220	U	U	220	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	220	U	U	220	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	101-55-3	4-Bromophenyl-phenylether	220	U	U	220	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	118-74-1	Hexachlorobenzene	220	U	U	220	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	1912-24-9	Atrazine	430	U	U	430	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	87-86-5	Pentachlorophenol	430	U	U	430	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	85-01-8	Phenanthrene	260			220	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	120-12-7	Anthracene	79	J	J	220	ug/kg	6100-SED10C

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG587	Sediment	04/26/2021	1.0	86-74-8	Carbazole	430	U	U	430	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	84-74-2	Di-n-butylphthalate	220	U	U	220	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	206-44-0	Fluoranthene	430			220	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	129-00-0	Pyrene	460			220	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	85-68-7	Butylbenzylphthalate	220	U	U	220	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	91-94-1	3,3-Dichlorobenzidine	430	U	U	430	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	56-55-3	Benzo(a)anthracene	140	J	J	220	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	218-01-9	Chrysene	160	J	J	220	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	480			220	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	117-84-0	Di-n-octyl phthalate	430	U	U	430	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	205-99-2	Benzo(b)fluoranthene	150	J	J	220	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	207-08-9	Benzo(k)fluoranthene	220	U	U	220	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	50-32-8	Benzo(a)pyrene	100	J	J	220	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	51	J	J	220	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	220	U	U	220	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	191-24-2	Benzo(g,h,i)perylene	62	J	J	220	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	220	U	U	220	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	000832-69-9	Phenanthrene, 1-methyl-	220	JN	JN		ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	001576-67-6	Phenanthrene, 3,6-dimethyl-	280	JN	JN		ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	002131-41-1	Naphthalene, 1,4,5-trimethyl-	530	JN	JN		ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	002131-42-2	Naphthalene, 1,4,6-trimethyl-	400	JN	JN		ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	002245-38-7	Naphthalene, 1,6,7-trimethyl-	340	JN	JN		ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	002717-39-7	1,4,5,8-Tetramethylnaphthalene	160	JN	JN		ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	003031-15-0	Naphthalene, 1,2,3,4-tetramethyl-	220	JN	JN		ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	003674-66-6	Phenanthrene, 2,5-dimethyl-	400	JN	JN		ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	006566-19-4	10,18-Bisnorabieta-5,7,9(10),11,13	350	JN	JN		ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	019780-56-4	Methyl ethyl cyclopentene	140	JN	JN		ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	054934-88-2	1,1-Bicyclohexyl, 2-propyl-, cis-	160	JN	JN		ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	000829-26-5	Naphthalene, 2,3,6-trimethyl-	450	JN	JN		ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	000779-02-2	Anthracene, 9-methyl-	280	JN	JN		ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	000613-33-2	4,4-Dimethylbiphenyl	230	JN	JN		ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	E966796	Total Alkanes	5900	B	B		ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	000581-40-8	Naphthalene, 2,3-dimethyl-	430	JN	JN		ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	000575-41-7	Naphthalene, 1,3-dimethyl-	290	JN	JN		ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	000573-98-8	Naphthalene, 1,2-dimethyl-	250	JN	JN		ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	000490-65-3	Naphthalene, 1-methyl-7-(1-methyle	170	JN	JN		ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	000483-65-8	Retene	550	JN	JN		ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	000473-08-5	7-Isopropenyl-1,4a-dimethyl-4,4a,5	450	JN	JN		ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	unknown-09	unknown-09	640	J	J		ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	unknown-04	unknown-04	370	J	J		ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	unknown-08	unknown-08	150	J	J		ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	unknown-05	unknown-05	180	J	J		ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	unknown-07	unknown-07	180	J	J		ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	unknown-03	unknown-03	90	J	J		ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	unknown-06	unknown-06	87	J	J		ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	unknown-01	unknown-01	98	J	J		ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	unknown-02	unknown-02	98	J	J		ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	000611-61-0	1,1-Biphenyl, 2,4-dimethyl-	220	JN	JN		ug/kg	6100-SED10C
BG588	Sediment	04/26/2021	1.0	123-91-1	1,4-Dioxane	78	U	U	78	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	100-52-7	Benzaldehyde	390	U	U	390	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	108-95-2	Phenol	390	U	U	390	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	390	U	U	390	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	95-57-8	2-Chlorophenol	200	U	U	200	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	95-48-7	2-Methylphenol	390	U	U	390	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	390	U	U	390	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	98-86-2	Acetophenone	390	U	U	390	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	106-44-5	4-Methylphenol	390	U	U	390	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	200	U	U	200	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	67-72-1	Hexachloroethane	200	U	U	200	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	98-95-3	Nitrobenzene	200	U	U	200	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	78-59-1	Isophorone	200	U	U	200	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	88-75-5	2-Nitrophenol	200	U	U	200	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	105-67-9	2,4-Dimethylphenol	200	U	U	200	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	200	U	U	200	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	120-83-2	2,4-Dichlorophenol	200	U	U	200	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	91-20-3	Naphthalene	200	U	U	200	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	106-47-8	4-Chloroaniline	390	U	U	390	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	87-68-3	Hexachlorobutadiene	200	U	U	200	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	105-60-2	Caprolactam	390	U	U	390	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	59-50-7	4-Chloro-3-methylphenol	200	U	U	200	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	90-12-0	1-Methylnaphthalene	200	U	U	200	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	91-57-6	2-Methylnaphthalene	200	U	U	200	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	77-47-4	Hexachlorocyclopentadiene	390	U	U	390	ug/kg	6100-SED11A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG588	Sediment	04/26/2021	1.0	88-06-2	2,4,6-Trichlorophenol	200	U	U	200	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	95-95-4	2,4,5-Trichlorophenol	200	U	U	200	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	92-52-4	1,1-Biphenyl	200	U	U	200	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	91-58-7	2-Chloronaphthalene	200	U	U	200	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	88-74-4	2-Nitroaniline	200	U	UJ	200	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	131-11-3	Dimethylphthalate	57	J	J	200	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	606-20-2	2,6-Dinitrotoluene	200	U	U	200	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	208-96-8	Acenaphthylene	200	U	U	200	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	99-09-2	3-Nitroaniline	390	U	UJ	390	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	83-32-9	Acenaphthene	200	U	U	200	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	51-28-5	2,4-Dinitrophenol	390	U	UJ	390	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	100-02-7	4-Nitrophenol	390	U	UJ	390	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	132-64-9	Dibenzofuran	200	U	U	200	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	121-14-2	2,4-Dinitrotoluene	200	U	U	200	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	84-66-2	Diethylphthalate	200	U	U	200	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	86-73-7	Fluorene	200	U	U	200	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	200	U	U	200	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	100-01-6	4-Nitroaniline	390	U	UJ	390	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	390	U	U	390	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	86-30-6	N-Nitrosodiphenylamine	200	U	U	200	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	200	U	U	200	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	101-55-3	4-Bromophenyl-phenylether	200	U	U	200	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	118-74-1	Hexachlorobenzene	200	U	U	200	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	1912-24-9	Atrazine	390	U	U	390	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	87-86-5	Pentachlorophenol	390	U	U	390	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	85-01-8	Phenanthrene	200	U	U	200	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	120-12-7	Anthracene	200	U	U	200	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	86-74-8	Carbazole	390	U	U	390	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	84-74-2	Di-n-butylphthalate	200	U	U	200	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	206-44-0	Fluoranthene	200	U	U	200	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	129-00-0	Pyrene	48	J	J	200	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	85-68-7	Butylbenzylphthalate	200	U	U	200	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	91-94-1	3,3-Dichlorobenzidine	390	U	U	390	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	56-55-3	Benzo(a)anthracene	200	U	U	200	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	218-01-9	Chrysene	200	U	U	200	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	61	J	J	200	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	117-84-0	Di-n-octyl phthalate	390	U	U	390	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	205-99-2	Benzo(b)fluoranthene	200	U	U	200	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	207-08-9	Benzo(k)fluoranthene	200	U	U	200	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	50-32-8	Benzo(a)pyrene	200	U	U	200	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	200	U	U	200	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	200	U	U	200	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	191-24-2	Benzo(g,h,i)perylene	200	U	U	200	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	200	U	U	200	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	E966796	Total Alkanes	80	B	B		ug/kg	6100-SED11A
BG589	Sediment	04/26/2021	1.0	123-91-1	1,4-Dioxane	82	U	U	82	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	100-52-7	Benzaldehyde	400	U	U	400	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	108-95-2	Phenol	400	U	U	400	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	400	U	U	400	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	95-57-8	2-Chlorophenol	210	U	U	210	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	95-48-7	2-Methylphenol	400	U	U	400	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	400	U	U	400	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	98-86-2	Acetophenone	46	J	J	400	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	106-44-5	4-Methylphenol	400	U	U	400	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	210	U	U	210	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	67-72-1	Hexachloroethane	210	U	U	210	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	98-95-3	Nitrobenzene	210	U	U	210	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	78-59-1	Isophorone	210	U	U	210	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	88-75-5	2-Nitrophenol	210	U	U	210	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	105-67-9	2,4-Dimethylphenol	210	U	U	210	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	210	U	U	210	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	120-83-2	2,4-Dichlorophenol	210	U	U	210	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	91-20-3	Naphthalene	210	U	U	210	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	106-47-8	4-Chloroaniline	400	U	U	400	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	87-68-3	Hexachlorobutadiene	210	U	U	210	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	105-60-2	Caprolactam	400	U	U	400	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	59-50-7	4-Chloro-3-methylphenol	210	U	U	210	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	90-12-0	1-Methylnaphthalene	210	U	U	210	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	91-57-6	2-Methylnaphthalene	210	U	U	210	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	77-47-4	Hexachlorocyclopentadiene	400	U	U	400	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	88-06-2	2,4,6-Trichlorophenol	210	U	U	210	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	95-95-4	2,4,5-Trichlorophenol	210	U	U	210	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	92-52-4	1,1-Biphenyl	210	U	U	210	ug/kg	6100-SED11B

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG589	Sediment	04/26/2021	1.0	91-58-7	2-Chloronaphthalene	210	U	U	210	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	88-74-4	2-Nitroaniline	210	U	UJ	210	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	131-11-3	Dimethylphthalate	50	J	J	210	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	606-20-2	2,6-Dinitrotoluene	210	U	U	210	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	208-96-8	Acenaphthylene	210	U	U	210	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	99-09-2	3-Nitroaniline	400	U	UJ	400	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	83-32-9	Acenaphthene	210	U	U	210	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	51-28-5	2,4-Dinitrophenol	400	U	UJ	400	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	100-02-7	4-Nitrophenol	400	U	UJ	400	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	132-64-9	Dibenzofuran	210	U	U	210	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	121-14-2	2,4-Dinitrotoluene	210	U	U	210	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	84-66-2	Diethylphthalate	210	U	U	210	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	86-73-7	Fluorene	210	U	U	210	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	210	U	U	210	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	100-01-6	4-Nitroaniline	400	U	UJ	400	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	400	U	UJ	400	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	86-30-6	N-Nitrosodiphenylamine	210	U	U	210	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	210	U	U	210	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	101-55-3	4-Bromophenyl-phenylether	210	U	U	210	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	118-74-1	Hexachlorobenzene	210	U	U	210	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	1912-24-9	Atrazine	400	U	U	400	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	87-86-5	Pentachlorophenol	400	U	U	400	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	85-01-8	Phenanthrene	210	U	U	210	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	120-12-7	Anthracene	210	U	U	210	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	86-74-8	Carbazole	400	U	U	400	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	84-74-2	Di-n-butylphthalate	210	U	U	210	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	206-44-0	Fluoranthene	71	J	J	210	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	129-00-0	Pyrene	74	J	J	210	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	85-68-7	Butylbenzylphthalate	210	U	U	210	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	91-94-1	3,3-Dichlorobenzidine	400	U	U	400	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	56-55-3	Benzo(a)anthracene	210	U	U	210	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	218-01-9	Chrysene	210	U	U	210	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	590			210	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	117-84-0	Di-n-octyl phthalate	400	U	U	400	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	205-99-2	Benzo(b)fluoranthene	210	U	U	210	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	207-08-9	Benzo(k)fluoranthene	210	U	U	210	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	50-32-8	Benzo(a)pyrene	210	U	U	210	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	210	U	U	210	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	210	U	U	210	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	191-24-2	Benzo(g,h,i)perylene	210	U	U	210	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	210	U	U	210	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	1000130-75-8	Z-2-Tridecen-1-ol	82	JN	JN		ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	E966796	Total Alkanes	240	B	B		ug/kg	6100-SED11B
BG590	Sediment	04/26/2021	1.0	123-91-1	1,4-Dioxane	94	U	UJ	94	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	100-52-7	Benzaldehyde	460	U	U	460	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	108-95-2	Phenol	460	U	U	460	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	460	U	U	460	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	95-57-8	2-Chlorophenol	240	U	U	240	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	95-48-7	2-Methylphenol	460	U	U	460	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	460	U	U	460	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	98-86-2	Acetophenone	460	U	U	460	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	106-44-5	4-Methylphenol	460	U	U	460	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	240	U	U	240	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	67-72-1	Hexachloroethane	240	U	U	240	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	98-95-3	Nitrobenzene	240	U	U	240	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	78-59-1	Isophorone	240	U	U	240	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	88-75-5	2-Nitrophenol	240	U	U	240	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	105-67-9	2,4-Dimethylphenol	240	U	U	240	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	240	U	U	240	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	120-83-2	2,4-Dichlorophenol	240	U	U	240	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	91-20-3	Naphthalene	240	U	U	240	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	106-47-8	4-Chloroaniline	460	U	U	460	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	87-68-3	Hexachlorobutadiene	240	U	U	240	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	105-60-2	Caprolactam	460	U	U	460	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	59-50-7	4-Chloro-3-methylphenol	240	U	U	240	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	90-12-0	1-Methylnaphthalene	240	U	U	240	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	91-57-6	2-Methylnaphthalene	240	U	U	240	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	77-47-4	Hexachlorocyclopentadiene	460	U	U	460	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	88-06-2	2,4,6-Trichlorophenol	240	U	U	240	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	95-95-4	2,4,5-Trichlorophenol	240	U	U	240	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	92-52-4	1,1-Biphenyl	240	U	U	240	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	91-58-7	2-Chloronaphthalene	240	U	U	240	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	88-74-4	2-Nitroaniline	240	U	UJ	240	ug/kg	6100-SED11C

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG590	Sediment	04/26/2021	1.0	131-11-3	Dimethylphthalate	240	U	U	240	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	606-20-2	2,6-Dinitrotoluene	240	U	U	240	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	208-96-8	Acenaphthylene	240	U	U	240	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	99-09-2	3-Nitroaniline	460	U	UJ	460	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	83-32-9	Acenaphthene	240	U	U	240	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	51-28-5	2,4-Dinitrophenol	460	U	UJ	460	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	100-02-7	4-Nitrophenol	460	U	UJ	460	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	132-64-9	Dibenzofuran	240	U	U	240	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	121-14-2	2,4-Dinitrotoluene	240	U	U	240	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	84-66-2	Diethylphthalate	240	U	U	240	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	86-73-7	Fluorene	240	U	U	240	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	240	U	U	240	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	100-01-6	4-Nitroaniline	460	U	UJ	460	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	460	U	UJ	460	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	86-30-6	N-Nitrosodiphenylamine	240	U	U	240	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	240	U	U	240	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	101-55-3	4-Bromophenyl-phenylether	240	U	U	240	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	118-74-1	Hexachlorobenzene	240	U	U	240	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	1912-24-9	Atrazine	460	U	U	460	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	87-86-5	Pentachlorophenol	460	U	U	460	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	85-01-8	Phenanthrene	59	J	J	240	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	120-12-7	Anthracene	240	U	U	240	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	86-74-8	Carbazole	460	U	U	460	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	84-74-2	Di-n-butylphthalate	240	U	U	240	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	206-44-0	Fluoranthene	270			240	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	129-00-0	Pyrene	300			240	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	85-68-7	Butylbenzylphthalate	240	U	U	240	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	91-94-1	3,3-Dichlorobenzidine	460	U	U	460	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	56-55-3	Benzo(a)anthracene	110	J	J	240	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	218-01-9	Chrysene	120	J	J	240	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	110	J	J	240	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	117-84-0	Di-n-octyl phthalate	460	U	U	460	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	205-99-2	Benzo(b)fluoranthene	110	J	J	240	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	207-08-9	Benzo(k)fluoranthene	240	U	U	240	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	50-32-8	Benzo(a)pyrene	87	J	J	240	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	240	U	U	240	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	240	U	U	240	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	191-24-2	Benzo(g,h,i)perylene	240	U	U	240	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	240	U	U	240	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	unknown-01	unknown-01	100	J	J		ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	unknown-02	unknown-02	100	J	J		ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	unknown-04	unknown-04	180	J	J		ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	unknown-03	unknown-03	230	J	J		ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	unknown-05	unknown-05	240	J	J		ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	E966796	Total Alkanes	280	B	B		ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	002131-42-2	Naphthalene, 1,4,6-trimethyl-	110	JN	JN		ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	086544-79-8	1,3-Diphenyl-3-methylcyclopropene	95	JN	JN		ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	1000104-10-8	3-Methyl-4-(methoxycarbonyl)hexa-2	160	JN	JN		ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	1000271-23-8	Propanenitrile, 3-[1-methyl-5-(4-m	280	JN	JN		ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	000473-08-5	7-Isopropenyl-1,4a-dimethyl-4,4a,5	560	JN	JN		ug/kg	6100-SED11C
BG591	Sediment	04/26/2021	1.0	123-91-1	1,4-Dioxane	90	U	U	90	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	100-52-7	Benzaldehyde	450	U	U	450	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	108-95-2	Phenol	450	U	U	450	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	450	U	U	450	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	95-57-8	2-Chlorophenol	230	U	U	230	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	95-48-7	2-Methylphenol	450	U	U	450	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	450	U	U	450	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	98-86-2	Acetophenone	450	U	U	450	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	106-44-5	4-Methylphenol	450	U	U	450	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	230	U	U	230	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	67-72-1	Hexachloroethane	230	U	U	230	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	98-95-3	Nitrobenzene	230	U	U	230	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	78-59-1	Isophorone	230	U	U	230	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	88-75-5	2-Nitrophenol	230	U	U	230	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	105-67-9	2,4-Dimethylphenol	230	U	U	230	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	230	U	U	230	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	120-83-2	2,4-Dichlorophenol	230	U	U	230	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	91-20-3	Naphthalene	270			230	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	106-47-8	4-Chloroaniline	450	U	U	450	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	87-68-3	Hexachlorobutadiene	230	U	U	230	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	105-60-2	Caprolactam	450	U	U	450	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	59-50-7	4-Chloro-3-methylphenol	230	U	U	230	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	90-12-0	1-Methylnaphthalene	140	J	J	230	ug/kg	6100-SED12A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG591	Sediment	04/26/2021	1.0	91-57-6	2-Methylnaphthalene	150	J	J	230	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	77-47-4	Hexachlorocyclopentadiene	450	U	U	450	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	88-06-2	2,4,6-Trichlorophenol	230	U	U	230	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	95-95-4	2,4,5-Trichlorophenol	230	U	U	230	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	92-52-4	1,1-Biphenyl	230	U	U	230	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	91-58-7	2-Chloronaphthalene	230	U	U	230	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	88-74-4	2-Nitroaniline	230	U	U	230	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	131-11-3	Dimethylphthalate	230	U	U	230	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	606-20-2	2,6-Dinitrotoluene	230	U	U	230	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	208-96-8	Acenaphthylene	230	U	U	230	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	99-09-2	3-Nitroaniline	450	U	U	450	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	83-32-9	Acenaphthene	350			230	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	51-28-5	2,4-Dinitrophenol	450	U	U	450	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	100-02-7	4-Nitrophenol	450	U	U	450	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	132-64-9	Dibenzofuran	110	J	J	230	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	121-14-2	2,4-Dinitrotoluene	230	U	U	230	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	84-66-2	Diethylphthalate	230	U	U	230	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	86-73-7	Fluorene	210	J	J	230	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	230	U	U	230	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	100-01-6	4-Nitroaniline	450	U	U	450	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	450	U	U	450	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	86-30-6	N-Nitrosodiphenylamine	230	U	U	230	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	230	U	U	230	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	101-55-3	4-Bromophenyl-phenylether	230	U	U	230	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	118-74-1	Hexachlorobenzene	230	U	U	230	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	1912-24-9	Atrazine	450	U	U	450	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	87-86-5	Pentachlorophenol	450	U	U	450	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	85-01-8	Phenanthrene	1900			230	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	120-12-7	Anthracene	310			230	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	86-74-8	Carbazole	170	J	J	450	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	84-74-2	Di-n-butylphthalate	230	U	U	230	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	206-44-0	Fluoranthene	2400		J	230	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	129-00-0	Pyrene	2000			230	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	85-68-7	Butylbenzylphthalate	230	U	U	230	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	91-94-1	3,3-Dichlorobenzidine	450	U	U	450	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	56-55-3	Benzo(a)anthracene	1100			230	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	218-01-9	Chrysene	1000			230	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	100	J	J	230	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	117-84-0	Di-n-octyl phthalate	450	U	U	450	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	205-99-2	Benzo(b)fluoranthene	1400			230	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	207-08-9	Benzo(k)fluoranthene	430			230	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	50-32-8	Benzo(a)pyrene	1100			230	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	600			230	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	180	J	J	230	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	191-24-2	Benzo(g,h,i)perylene	590			230	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	230	U	U	230	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	000613-12-7	Anthracene, 2-methyl-	130	JN	JN		ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	000832-69-9	Phenanthrene, 1-methyl-	270	JN	JN		ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	027208-37-3	Cyclopenta[cd]pyrene	100	JN	JN		ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	093327-56-1	6-Phenylbenzocyclohepten-7-one	140	JN	JN		ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	1000151-80-0	Cycloisolongifolene, 8,9-dehydro-9	90	JN	JN		ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	000084-65-1	9,10-Anthracenedione	210	JN	JN		ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	000132-65-0	Dibenzothiophene	110	JN	JN		ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	000192-97-2	Benzo[e]pyrene	210	JN	JN		ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	000203-64-5	4H-Cyclopenta[def]phenanthrene	420	JN	JN		ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	000243-17-4	11H-Benzo[b]fluorene	99	JN	JN		ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	002531-84-2	Phenanthrene, 2-methyl-	210	JN	JN		ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	003674-66-6	Phenanthrene, 2,5-dimethyl-	120	JN	JN		ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	000575-43-9	Naphthalene, 1,6-dimethyl-	110	JN	JN		ug/kg	6100-SED12A
BG592	Sediment	04/26/2021	1.0	123-91-1	1,4-Dioxane	79	U	U	79	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	100-52-7	Benzaldehyde	390	U	U	390	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	108-95-2	Phenol	390	U	U	390	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	390	U	U	390	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	95-57-8	2-Chlorophenol	200	U	U	200	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	95-48-7	2-Methylphenol	390	U	U	390	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	390	U	U	390	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	98-86-2	Acetophenone	390	U	U	390	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	106-44-5	4-Methylphenol	390	U	U	390	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	200	U	U	200	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	67-72-1	Hexachloroethane	200	U	U	200	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	98-95-3	Nitrobenzene	200	U	U	200	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	78-59-1	Isophorone	200	U	U	200	ug/kg	6100-SED12B

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG592	Sediment	04/26/2021	1.0	88-75-5	2-Nitrophenol	200	U	U	200	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	105-67-9	2,4-Dimethylphenol	200	U	U	200	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	200	U	U	200	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	120-83-2	2,4-Dichlorophenol	200	U	U	200	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	91-20-3	Naphthalene	200			200	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	106-47-8	4-Chloroaniline	390	U	U	390	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	87-68-3	Hexachlorobutadiene	200	U	U	200	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	105-60-2	Caprolactam	390	U	U	390	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	59-50-7	4-Chloro-3-methylphenol	200	U	U	200	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	90-12-0	1-Methylnaphthalene	42	J	J	200	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	91-57-6	2-Methylnaphthalene	57	J	J	200	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	77-47-4	Hexachlorocyclopentadiene	390	U	U	390	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	88-06-2	2,4,6-Trichlorophenol	200	U	U	200	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	95-95-4	2,4,5-Trichlorophenol	200	U	U	200	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	92-52-4	1,1-Biphenyl	200	U	U	200	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	91-58-7	2-Chloronaphthalene	200	U	U	200	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	88-74-4	2-Nitroaniline	200	U	UJ	200	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	131-11-3	Dimethylphthalate	200	U	U	200	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	606-20-2	2,6-Dinitrotoluene	200	U	U	200	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	208-96-8	Acenaphthylene	200	U	U	200	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	99-09-2	3-Nitroaniline	390	U	UJ	390	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	83-32-9	Acenaphthene	140	J	J	200	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	51-28-5	2,4-Dinitrophenol	390	U	UJ	390	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	100-02-7	4-Nitrophenol	390	U	UJ	390	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	132-64-9	Dibenzofuran	100	J	J-	200	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	121-14-2	2,4-Dinitrotoluene	200	U	U	200	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	84-66-2	Diethylphthalate	200	U	U	200	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	86-73-7	Fluorene	140	J	J-	200	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	200	U	UJ	200	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	100-01-6	4-Nitroaniline	390	U	UJ	390	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	390	U	UJ	390	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	86-30-6	N-Nitrosodiphenylamine	200	U	U	200	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	200	U	U	200	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	101-55-3	4-Bromophenyl-phenylether	200	U	UJ	200	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	118-74-1	Hexachlorobenzene	200	U	U	200	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	1912-24-9	Atrazine	390	U	U	390	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	87-86-5	Pentachlorophenol	390	U	U	390	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	85-01-8	Phenanthrene	1300			200	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	120-12-7	Anthracene	220			200	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	86-74-8	Carbazole	120	J	J-	390	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	84-74-2	Di-n-butylphthalate	200	U	U	200	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	206-44-0	Fluoranthene	1600			200	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	129-00-0	Pyrene	1200			200	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	85-68-7	Butylbenzylphthalate	200	U	U	200	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	91-94-1	3,3-Dichlorobenzidine	390	U	U	390	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	56-55-3	Benzo(a)anthracene	510			200	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	218-01-9	Chrysene	480			200	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	44	J	J	200	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	117-84-0	Di-n-octyl phthalate	390	U	U	390	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	205-99-2	Benzo(b)fluoranthene	540			200	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	207-08-9	Benzo(k)fluoranthene	150	J	J	200	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	50-32-8	Benzo(a)pyrene	390			200	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	190	J	J	200	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	60	J	J	200	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	191-24-2	Benzo(g,h,i)perylene	180	J	J	200	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	200	U	U	200	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	unknown-02	unknown-02	91	J	J		ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	002531-84-2	Phenanthrene, 2-methyl-	280	JN	JN		ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	002756-56-1	Isobornyl propionate	280	JN	JN		ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	003674-66-6	Phenanthrene, 2,5-dimethyl-	120	JN	JN		ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	003674-69-9	Phenanthrene, 4,5-dimethyl-	80	JN	JN		ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	027208-37-3	Cyclopenta[cd]pyrene	90	JN	JN		ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	1000104-10-8	3-Methyl-4-(methoxycarbonyl)hexa-2	97	JN	JN		ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	000483-65-8	Retene	340	JN	JN		ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	unknown-03	unknown-03	79	J	J		ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	E966796	Total Alkanes	420	B	B		ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	unknown-01	unknown-01	120	J	J		ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	000084-65-1	9,10-Anthracenedione	150	JN	JN		ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	000203-64-5	4H-Cyclopenta[def]phenanthrene	340	JN	JN		ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	000233-02-3	Naphtho[2,1-b]thiophene	170	JN	JN		ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	000243-17-4	11H-Benzo[b]fluorene	110	JN	JN		ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	000256-81-5	5H-Dibenzo[a,d]cycloheptene	130	JN	JN		ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	000473-08-5	7-Isopropenyl-1,4a-dimethyl-4,4a,5	500	JN	JN		ug/kg	6100-SED12B

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG592	Sediment	04/26/2021	1.0	000479-79-8	11H-Benzo[a]fluoren-11-one	150	JN	JN		ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	000832-71-3	Phenanthrene, 3-methyl-	78	JN	JN		ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	000613-12-7	Anthracene, 2-methyl-	180	JN	JN		ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	000612-94-2	Naphthalene, 2-phenyl-	100	JN	JN		ug/kg	6100-SED12B
BG594	Sediment	04/26/2021	1.0	123-91-1	1,4-Dioxane	150	U	U	150	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	100-52-7	Benzaldehyde	730	U	U	730	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	108-95-2	Phenol	730	U	U	730	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	730	U	U	730	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	95-57-8	2-Chlorophenol	380	U	U	380	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	95-48-7	2-Methylphenol	730	U	U	730	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	730	U	U	730	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	98-86-2	Acetophenone	730	U	U	730	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	106-44-5	4-Methylphenol	730	U	U	730	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	380	U	U	380	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	67-72-1	Hexachloroethane	380	U	U	380	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	98-95-3	Nitrobenzene	380	U	U	380	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	78-59-1	Isophorone	380	U	U	380	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	88-75-5	2-Nitrophenol	380	U	U	380	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	105-67-9	2,4-Dimethylphenol	380	U	U	380	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	380	U	U	380	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	120-83-2	2,4-Dichlorophenol	380	U	U	380	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	91-20-3	Naphthalene	380	U	U	380	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	106-47-8	4-Chloroaniline	730	U	U	730	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	87-68-3	Hexachlorobutadiene	380	U	U	380	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	105-60-2	Caprolactam	730	U	U	730	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	59-50-7	4-Chloro-3-methylphenol	380	U	U	380	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	90-12-0	1-Methylnaphthalene	110	J	J	380	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	91-57-6	2-Methylnaphthalene	380	U	U	380	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	77-47-4	Hexachlorocyclopentadiene	730	U	U	730	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	88-06-2	2,4,6-Trichlorophenol	380	U	U	380	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	95-95-4	2,4,5-Trichlorophenol	380	U	U	380	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	92-52-4	1,1-Biphenyl	380	U	U	380	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	91-58-7	2-Chloronaphthalene	380	U	U	380	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	88-74-4	2-Nitroaniline	380	U	U	380	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	131-11-3	Dimethylphthalate	380	U	U	380	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	606-20-2	2,6-Dinitrotoluene	380	U	U	380	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	208-96-8	Acenaphthylene	380	U	U	380	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	99-09-2	3-Nitroaniline	730	U	U	730	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	83-32-9	Acenaphthene	97	J	J	380	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	51-28-5	2,4-Dinitrophenol	730	U	U	730	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	100-02-7	4-Nitrophenol	730	U	U	730	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	132-64-9	Dibenzofuran	380	U	U	380	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	121-14-2	2,4-Dinitrotoluene	380	U	U	380	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	84-66-2	Diethylphthalate	380	U	U	380	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	86-73-7	Fluorene	94	J	J	380	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	380	U	U	380	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	100-01-6	4-Nitroaniline	730	U	U	730	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	730	U	U	730	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	86-30-6	N-Nitrosodiphenylamine	380	U	U	380	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	380	U	U	380	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	101-55-3	4-Bromophenyl-phenylether	380	U	U	380	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	118-74-1	Hexachlorobenzene	380	U	U	380	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	1912-24-9	Atrazine	730	U	U	730	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	87-86-5	Pentachlorophenol	730	U	U	730	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	85-01-8	Phenanthrene	690			380	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	120-12-7	Anthracene	170	J	J	380	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	86-74-8	Carbazole	730	U	U	730	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	84-74-2	Di-n-butylphthalate	380	U	U	380	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	206-44-0	Fluoranthene	710		J	380	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	129-00-0	Pyrene	990			380	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	85-68-7	Butylbenzylphthalate	380	U	U	380	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	91-94-1	3,3-Dichlorobenzidine	730	U	U	730	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	56-55-3	Benzo(a)anthracene	400			380	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	218-01-9	Chrysene	460			380	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	76	J	J	380	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	117-84-0	Di-n-octyl phthalate	730	U	U	730	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	205-99-2	Benzo(b)fluoranthene	330	J	J	380	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	207-08-9	Benzo(k)fluoranthene	100	J	J	380	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	50-32-8	Benzo(a)pyrene	340	J	J	380	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	140	J	J	380	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	380	U	U	380	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	191-24-2	Benzo(g,h,i)perylene	170	J	J	380	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	380	U	U	380	ug/kg	6100-SED13A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG594	Sediment	04/26/2021	1.0	000723-98-8	1H-Cyclopenta[l]phenanthrene, 2,3-	880	JN	JN		ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	000781-43-1	9,10-Dimethylanthracene	650	JN	JN		ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	000829-26-5	Naphthalene, 2,3,6-trimethyl-	520	JN	JN		ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	002027-17-0	Naphthalene, 2-(1-methylethyl)-	220	JN	JN		ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	002131-41-1	Naphthalene, 1,4,5-trimethyl-	630	JN	JN		ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	002131-42-2	Naphthalene, 1,4,6-trimethyl-	370	JN	JN		ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	002531-84-2	Phenanthrene, 2-methyl-	480	JN	JN		ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	002547-27-5	trans-4a-Methyl-decahydronaphthale	190	JN	JN		ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	003674-73-5	Phenanthrene, 2,3,5-trimethyl-	290	JN	JN		ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	017085-91-5	Naphthalene, 1-(1,1-dimethylethyl)	160	JN	JN		ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	002245-38-7	Naphthalene, 1,6,7-trimethyl-	420	JN	JN		ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	000613-12-7	Anthracene, 2-methyl-	720	JN	JN		ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	000610-48-0	Anthracene, 1-methyl-	500	JN	JN		ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	000581-40-8	Naphthalene, 2,3-dimethyl-	420	JN	JN		ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	000575-43-9	Naphthalene, 1,6-dimethyl-	280	JN	JN		ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	000483-87-4	Phenanthrene, 1,7-dimethyl-	380	JN	JN		ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	unknown-04	unknown-04	570	J	J		ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	unknown-03	unknown-03	310	J	J		ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	unknown-02	unknown-02	150	J	J		ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	unknown-01	unknown-01	230	J	J		ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	1000329-83-0	Succinic acid, di(2-methylcyclohex	200	JN	JN		ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	1000309-18-5	Sulfurous acid, butyl octadecyl es	270	JN	JN		ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	1000155-85-6	cis-Decalin, 2-syn-methyl-	230	JN	JN		ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	E966796	Total Alkanes	13000	B	B		ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	054934-94-0	Cyclohexane, 1-(cyclohexylmethyl)-	170	JN	JN		ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	095906-83-5	3H-3,10a-Methano-1,2-benzodioxocin	190	JN	JN		ug/kg	6100-SED13A
SLCS039		05/10/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	
SLCS039		05/10/2021	1.0	123-91-1	1,4-Dioxane	430			67	ug/kg	
SLCS039		05/10/2021	1.0	100-52-7	Benzaldehyde	940			330	ug/kg	
SLCS039		05/10/2021	1.0	108-95-2	Phenol	1000			330	ug/kg	
SLCS039		05/10/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	1000			330	ug/kg	
SLCS039		05/10/2021	1.0	95-57-8	2-Chlorophenol	1100			170	ug/kg	
SLCS039		05/10/2021	1.0	95-48-7	2-Methylphenol	1000			330	ug/kg	
SLCS039		05/10/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	1100			330	ug/kg	
SLCS039		05/10/2021	1.0	98-86-2	Acetophenone	1000			330	ug/kg	
SLCS039		05/10/2021	1.0	106-44-5	4-Methylphenol	1000			330	ug/kg	
SLCS039		05/10/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	1100			170	ug/kg	
SLCS039		05/10/2021	1.0	67-72-1	Hexachloroethane	1100			170	ug/kg	
SLCS039		05/10/2021	1.0	98-95-3	Nitrobenzene	1200		J	170	ug/kg	
SLCS039		05/10/2021	1.0	78-59-1	Isophorone	1100			170	ug/kg	
SLCS039		05/10/2021	1.0	88-75-5	2-Nitrophenol	1100			170	ug/kg	
SLCS039		05/10/2021	1.0	105-67-9	2,4-Dimethylphenol	1000			170	ug/kg	
SLCS039		05/10/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	1100			170	ug/kg	
SLCS039		05/10/2021	1.0	120-83-2	2,4-Dichlorophenol	1100			170	ug/kg	
SLCS039		05/10/2021	1.0	91-20-3	Naphthalene	1000			170	ug/kg	
SLCS039		05/10/2021	1.0	106-47-8	4-Chloroaniline	880			330	ug/kg	
SLCS039		05/10/2021	1.0	87-68-3	Hexachlorobutadiene	1000			170	ug/kg	
SLCS039		05/10/2021	1.0	105-60-2	Caprolactam	1200			330	ug/kg	
SLCS039		05/10/2021	1.0	59-50-7	4-Chloro-3-methylphenol	1100			170	ug/kg	
SLCS039		05/10/2021	1.0	90-12-0	1-Methylnaphthalene	1000			170	ug/kg	
SLCS039		05/10/2021	1.0	91-57-6	2-Methylnaphthalene	1000			170	ug/kg	
SLCS039		05/10/2021	1.0	77-47-4	Hexachlorocyclopentadiene	960			330	ug/kg	
SLCS039		05/10/2021	1.0	88-06-2	2,4,6-Trichlorophenol	1100			170	ug/kg	
SLCS039		05/10/2021	1.0	95-95-4	2,4,5-Trichlorophenol	1100			170	ug/kg	
SLCS039		05/10/2021	1.0	92-52-4	1,1-Biphenyl	1000			170	ug/kg	
SLCS039		05/10/2021	1.0	91-58-7	2-Chloronaphthalene	1000			170	ug/kg	
SLCS039		05/10/2021	1.0	88-74-4	2-Nitroaniline	1300		J	170	ug/kg	
SLCS039		05/10/2021	1.0	131-11-3	Dimethylphthalate	1100			170	ug/kg	
SLCS039		05/10/2021	1.0	606-20-2	2,6-Dinitrotoluene	1200			170	ug/kg	
SLCS039		05/10/2021	1.0	208-96-8	Acenaphthylene	1000			170	ug/kg	
SLCS039		05/10/2021	1.0	99-09-2	3-Nitroaniline	1000			330	ug/kg	
SLCS039		05/10/2021	1.0	83-32-9	Acenaphthene	1100			170	ug/kg	
SLCS039		05/10/2021	1.0	51-28-5	2,4-Dinitrophenol	1100			330	ug/kg	
SLCS039		05/10/2021	1.0	100-02-7	4-Nitrophenol	1200			330	ug/kg	
SLCS039		05/10/2021	1.0	132-64-9	Dibenzofuran	1100			170	ug/kg	
SLCS039		05/10/2021	1.0	121-14-2	2,4-Dinitrotoluene	1300			170	ug/kg	
SLCS039		05/10/2021	1.0	84-66-2	Diethylphthalate	1100			170	ug/kg	
SLCS039		05/10/2021	1.0	86-73-7	Fluorene	1100			170	ug/kg	
SLCS039		05/10/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	1100			170	ug/kg	
SLCS039		05/10/2021	1.0	100-01-6	4-Nitroaniline	1100			330	ug/kg	
SLCS039		05/10/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	1100			330	ug/kg	
SLCS039		05/10/2021	1.0	86-30-6	N-Nitrosodiphenylamine	1100			170	ug/kg	
SLCS039		05/10/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	1000			170	ug/kg	

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
SLCS039		05/10/2021	1.0	101-55-3	4-Bromophenyl-phenylether	1100			170	ug/kg	
SLCS039		05/10/2021	1.0	118-74-1	Hexachlorobenzene	1100			170	ug/kg	
SLCS039		05/10/2021	1.0	1912-24-9	Atrazine	1100			330	ug/kg	
SLCS039		05/10/2021	1.0	87-86-5	Pentachlorophenol	1100			330	ug/kg	
SLCS039		05/10/2021	1.0	85-01-8	Phenanthrene	1100			170	ug/kg	
SLCS039		05/10/2021	1.0	120-12-7	Anthracene	1100			170	ug/kg	
SLCS039		05/10/2021	1.0	86-74-8	Carbazole	1100			330	ug/kg	
SLCS039		05/10/2021	1.0	84-74-2	Di-n-butylphthalate	1200			170	ug/kg	
SLCS039		05/10/2021	1.0	206-44-0	Fluoranthene	1300			170	ug/kg	
SLCS039		05/10/2021	1.0	129-00-0	Pyrene	1300			170	ug/kg	
SLCS039		05/10/2021	1.0	85-68-7	Butylbenzylphthalate	1500			170	ug/kg	
SLCS039		05/10/2021	1.0	91-94-1	3,3-Dichlorobenzidine	1000			330	ug/kg	
SLCS039		05/10/2021	1.0	56-55-3	Benzo(a)anthracene	1200			170	ug/kg	
SLCS039		05/10/2021	1.0	218-01-9	Chrysene	1200			170	ug/kg	
SLCS039		05/10/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	1400			170	ug/kg	
SLCS039		05/10/2021	1.0	117-84-0	Di-n-octyl phthalate	1400			330	ug/kg	
SLCS039		05/10/2021	1.0	205-99-2	Benzo(b)fluoranthene	1300			170	ug/kg	
SLCS039		05/10/2021	1.0	207-08-9	Benzo(k)fluoranthene	1200			170	ug/kg	
SLCS039		05/10/2021	1.0	50-32-8	Benzo(a)pyrene	1200			170	ug/kg	
SLCS039		05/10/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	1100			170	ug/kg	
SLCS039		05/10/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	1100			170	ug/kg	
SLCS039		05/10/2021	1.0	191-24-2	Benzo(g,h,i)perylene	1100			170	ug/kg	
SLCS039		05/10/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	1100			170	ug/kg	
SBLK039		05/10/2021	1.0	123-91-1	1,4-Dioxane	67	U	U	67	ug/kg	
SBLK039		05/10/2021	1.0	100-52-7	Benzaldehyde	330	U	U	330	ug/kg	
SBLK039		05/10/2021	1.0	108-95-2	Phenol	330	U	U	330	ug/kg	
SBLK039		05/10/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	330	U	U	330	ug/kg	
SBLK039		05/10/2021	1.0	95-57-8	2-Chlorophenol	170	U	U	170	ug/kg	
SBLK039		05/10/2021	1.0	95-48-7	2-Methylphenol	330	U	U	330	ug/kg	
SBLK039		05/10/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	330	U	U	330	ug/kg	
SBLK039		05/10/2021	1.0	98-86-2	Acetophenone	330	U	U	330	ug/kg	
SBLK039		05/10/2021	1.0	106-44-5	4-Methylphenol	330	U	U	330	ug/kg	
SBLK039		05/10/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	170	U	U	170	ug/kg	
SBLK039		05/10/2021	1.0	67-72-1	Hexachloroethane	170	U	U	170	ug/kg	
SBLK039		05/10/2021	1.0	98-95-3	Nitrobenzene	170	U	U	170	ug/kg	
SBLK039		05/10/2021	1.0	78-59-1	Isophorone	170	U	U	170	ug/kg	
SBLK039		05/10/2021	1.0	88-75-5	2-Nitrophenol	170	U	U	170	ug/kg	
SBLK039		05/10/2021	1.0	105-67-9	2,4-Dimethylphenol	170	U	U	170	ug/kg	
SBLK039		05/10/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	170	U	U	170	ug/kg	
SBLK039		05/10/2021	1.0	120-83-2	2,4-Dichlorophenol	170	U	U	170	ug/kg	
SBLK039		05/10/2021	1.0	91-20-3	Naphthalene	170	U	U	170	ug/kg	
SBLK039		05/10/2021	1.0	106-47-8	4-Chloroaniline	330	U	U	330	ug/kg	
SBLK039		05/10/2021	1.0	87-68-3	Hexachlorobutadiene	170	U	U	170	ug/kg	
SBLK039		05/10/2021	1.0	105-60-2	Caprolactam	330	U	U	330	ug/kg	
SBLK039		05/10/2021	1.0	59-50-7	4-Chloro-3-methylphenol	170	U	U	170	ug/kg	
SBLK039		05/10/2021	1.0	90-12-0	1-Methylnaphthalene	170	U	U	170	ug/kg	
SBLK039		05/10/2021	1.0	91-57-6	2-Methylnaphthalene	170	U	U	170	ug/kg	
SBLK039		05/10/2021	1.0	77-47-4	Hexachlorocyclopentadiene	330	U	U	330	ug/kg	
SBLK039		05/10/2021	1.0	88-06-2	2,4,6-Trichlorophenol	170	U	U	170	ug/kg	
SBLK039		05/10/2021	1.0	95-95-4	2,4,5-Trichlorophenol	170	U	U	170	ug/kg	
SBLK039		05/10/2021	1.0	92-52-4	1,1-Biphenyl	170	U	U	170	ug/kg	
SBLK039		05/10/2021	1.0	91-58-7	2-Chloronaphthalene	170	U	U	170	ug/kg	
SBLK039		05/10/2021	1.0	88-74-4	2-Nitroaniline	170	U	U	170	ug/kg	
SBLK039		05/10/2021	1.0	131-11-3	Dimethylphthalate	170	U	U	170	ug/kg	
SBLK039		05/10/2021	1.0	606-20-2	2,6-Dinitrotoluene	170	U	U	170	ug/kg	
SBLK039		05/10/2021	1.0	208-96-8	Acenaphthylene	170	U	U	170	ug/kg	
SBLK039		05/10/2021	1.0	99-09-2	3-Nitroaniline	330	U	U	330	ug/kg	
SBLK039		05/10/2021	1.0	83-32-9	Acenaphthene	170	U	U	170	ug/kg	
SBLK039		05/10/2021	1.0	51-28-5	2,4-Dinitrophenol	330	U	U	330	ug/kg	
SBLK039		05/10/2021	1.0	100-02-7	4-Nitrophenol	330	U	U	330	ug/kg	
SBLK039		05/10/2021	1.0	132-64-9	Dibenzofuran	170	U	U	170	ug/kg	
SBLK039		05/10/2021	1.0	121-14-2	2,4-Dinitrotoluene	170	U	U	170	ug/kg	
SBLK039		05/10/2021	1.0	84-66-2	Diethylphthalate	170	U	U	170	ug/kg	
SBLK039		05/10/2021	1.0	86-73-7	Fluorene	170	U	U	170	ug/kg	
SBLK039		05/10/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	170	U	U	170	ug/kg	
SBLK039		05/10/2021	1.0	100-01-6	4-Nitroaniline	330	U	U	330	ug/kg	
SBLK039		05/10/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	330	U	U	330	ug/kg	
SBLK039		05/10/2021	1.0	86-30-6	N-Nitrosodiphenylamine	170	U	U	170	ug/kg	
SBLK039		05/10/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	170	U	U	170	ug/kg	
SBLK039		05/10/2021	1.0	101-55-3	4-Bromophenyl-phenylether	170	U	U	170	ug/kg	
SBLK039		05/10/2021	1.0	118-74-1	Hexachlorobenzene	170	U	U	170	ug/kg	
SBLK039		05/10/2021	1.0	1912-24-9	Atrazine	330	U	U	330	ug/kg	
SBLK039		05/10/2021	1.0	87-86-5	Pentachlorophenol	330	U	U	330	ug/kg	

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
SBLK039		05/10/2021	1.0	85-01-8	Phenanthrene	170	U	U	170	ug/kg	
SBLK039		05/10/2021	1.0	120-12-7	Anthracene	170	U	U	170	ug/kg	
SBLK039		05/10/2021	1.0	86-74-8	Carbazole	330	U	U	330	ug/kg	
SBLK039		05/10/2021	1.0	84-74-2	Di-n-butylphthalate	170	U	U	170	ug/kg	
SBLK039		05/10/2021	1.0	206-44-0	Fluoranthene	170	U	U	170	ug/kg	
SBLK039		05/10/2021	1.0	129-00-0	Pyrene	170	U	U	170	ug/kg	
SBLK039		05/10/2021	1.0	85-68-7	Butylbenzylphthalate	170	U	U	170	ug/kg	
SBLK039		05/10/2021	1.0	91-94-1	3,3-Dichlorobenzidine	330	U	U	330	ug/kg	
SBLK039		05/10/2021	1.0	56-55-3	Benzo(a)anthracene	170	U	U	170	ug/kg	
SBLK039		05/10/2021	1.0	218-01-9	Chrysene	170	U	U	170	ug/kg	
SBLK039		05/10/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	170	U	U	170	ug/kg	
SBLK039		05/10/2021	1.0	117-84-0	Di-n-octyl phthalate	330	U	U	330	ug/kg	
SBLK039		05/10/2021	1.0	205-99-2	Benzo(b)fluoranthene	170	U	U	170	ug/kg	
SBLK039		05/10/2021	1.0	207-08-9	Benzo(k)fluoranthene	170	U	U	170	ug/kg	
SBLK039		05/10/2021	1.0	50-32-8	Benzo(a)pyrene	170	U	U	170	ug/kg	
SBLK039		05/10/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	170	U	U	170	ug/kg	
SBLK039		05/10/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	170	U	U	170	ug/kg	
SBLK039		05/10/2021	1.0	191-24-2	Benzo(g,h,i)perylene	170	U	U	170	ug/kg	
SBLK039		05/10/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	170	U	U	170	ug/kg	
SBLK039		05/10/2021	1.0	E966796	Total Alkanes	76	B	B		ug/kg	
BG514	Sediment	04/23/2021	1.0	319-84-6	alpha-BHC	2.2	U	U	2.2	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	319-85-7	beta-BHC	2.2	U	U	2.2	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	319-86-8	delta-BHC	1.3	JP	J	2.2	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	58-89-9	gamma-BHC (Lindane)	2.2	U	U	2.2	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	76-44-8	Heptachlor	2.2	U	U	2.2	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	309-00-2	Aldrin	2.2	U	U	2.2	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	1024-57-3	Heptachlor epoxide	2.2	U	U	2.2	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	959-98-8	Endosulfan I	2.2	U	U	2.2	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	60-57-1	Dieldrin	1.9	JP	J	4.3	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	72-55-9	4,4'-DDE	3.2	JP	J	4.3	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	72-20-8	Endrin	0.78	JP	J	4.3	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	33213-65-9	Endosulfan II	4.3	U	U	4.3	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	72-54-8	4,4'-DDD	17			4.3	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	1031-07-8	Endosulfan Sulfate	4.3	U	U	4.3	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	50-29-3	4,4'-DDT	0.40	JP	NJ	4.3	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	72-43-5	Methoxychlor	22	U	U	22	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	53494-70-5	Endrin ketone	4.3	U	U	4.3	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	7421-93-4	Endrin Aldehyde	4.3	U	U	4.3	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	5103-71-9	cis-Chlordane	5.6			2.2	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	5103-74-2	trans-Chlordane	7.3	P	J	2.2	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	8001-35-2	Toxaphene	220	U	U	220	ug/kg	6100-SED26B
BG515	Sediment	04/26/2021	1.0	319-84-6	alpha-BHC	4.6	U	U	4.6	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	319-85-7	beta-BHC	4.6	U	U	4.6	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	319-86-8	delta-BHC	1.8	JP	J	4.6	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	58-89-9	gamma-BHC (Lindane)	0.60	JP	J	4.6	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	76-44-8	Heptachlor	4.6	U	U	4.6	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	309-00-2	Aldrin	4.6	U	U	4.6	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	1024-57-3	Heptachlor epoxide	4.6	U	U	4.6	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	959-98-8	Endosulfan I	4.6	U	U	4.6	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	60-57-1	Dieldrin	1.5	JP	NJ	8.9	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	72-55-9	4,4'-DDE	4.3	JP	J	8.9	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	72-20-8	Endrin	0.92	JP	J	8.9	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	33213-65-9	Endosulfan II	8.9	U	U	8.9	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	72-54-8	4,4'-DDD	2.3	JP	J	8.9	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	1031-07-8	Endosulfan Sulfate	8.9	U	U	8.9	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	50-29-3	4,4'-DDT	8.9	U	U	8.9	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	72-43-5	Methoxychlor	46	U	U	46	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	53494-70-5	Endrin ketone	8.9	U	U	8.9	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	7421-93-4	Endrin Aldehyde	8.9	U	U	8.9	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	5103-71-9	cis-Chlordane	2.7	JP	J	4.6	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	5103-74-2	trans-Chlordane	4.0	JP	J	4.6	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	8001-35-2	Toxaphene	460	U	U	460	ug/kg	6100-SED26C
BG576	Sediment	04/26/2021	1.0	319-84-6	alpha-BHC	5.2	U	U	5.2	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	319-85-7	beta-BHC	5.2	U	U	5.2	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	319-86-8	delta-BHC	5.2	U	U	5.2	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	58-89-9	gamma-BHC (Lindane)	5.2	U	U	5.2	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	76-44-8	Heptachlor	5.2	U	U	5.2	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	309-00-2	Aldrin	5.2	U	U	5.2	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	1024-57-3	Heptachlor epoxide	5.2	U	U	5.2	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	959-98-8	Endosulfan I	5.2	U	U	5.2	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	60-57-1	Dieldrin	10	U	U	10	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	72-55-9	4,4'-DDE	0.50	JP	J	10	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	72-20-8	Endrin	10	U	U	10	ug/kg	6100-SED07A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG576	Sediment	04/26/2021	1.0	33213-65-9	Endosulfan II	0.97	J	J	10	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	72-54-8	4,4'-DDD	0.52	JP	J	10	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	1031-07-8	Endosulfan Sulfate	10	U	U	10	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	50-29-3	4,4'-DDT	10	U	U	10	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	72-43-5	Methoxychlor	52	U	U	52	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	53494-70-5	Endrin ketone	10	U	U	10	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	7421-93-4	Endrin Aldehyde	10	U	U	10	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	5103-71-9	cis-Chlordane	0.74	JP	J	5.2	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	5103-74-2	trans-Chlordane	0.93	JP	NJ	5.2	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	8001-35-2	Toxaphene	520	U	U	520	ug/kg	6100-SED07A
BG577	Sediment	04/26/2021	1.0	319-84-6	alpha-BHC	4.6	U	U	4.6	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	319-85-7	beta-BHC	4.6	U	U	4.6	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	319-86-8	delta-BHC	2.0	JP	J	4.6	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	58-89-9	gamma-BHC (Lindane)	4.6	U	U	4.6	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	76-44-8	Heptachlor	4.6	U	U	4.6	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	309-00-2	Aldrin	4.6	U	U	4.6	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	1024-57-3	Heptachlor epoxide	4.6	U	U	4.6	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	959-98-8	Endosulfan I	4.6	U	U	4.6	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	60-57-1	Dieldrin	1.2	JP	NJ	8.9	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	72-55-9	4,4'-DDE	2.7	JP	J	8.9	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	72-20-8	Endrin	1.0	JP	NJ	8.9	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	33213-65-9	Endosulfan II	2.6	J	J	8.9	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	72-54-8	4,4'-DDD	3.1	JP	J	8.9	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	1031-07-8	Endosulfan Sulfate	0.88	J	J	8.9	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	50-29-3	4,4'-DDT	0.84	JP	NJ	8.9	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	72-43-5	Methoxychlor	46	U	U	46	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	53494-70-5	Endrin ketone	8.9	U	U	8.9	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	7421-93-4	Endrin Aldehyde	8.9	U	U	8.9	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	5103-71-9	cis-Chlordane	3.4	J	J	4.6	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	5103-74-2	trans-Chlordane	3.0	JP	NJ	4.6	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	8001-35-2	Toxaphene	460	U	U	460	ug/kg	6100-SED07B
BG578	Sediment	04/26/2021	1.0	319-84-6	alpha-BHC	3.8	U	U	3.8	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	319-85-7	beta-BHC	3.8	U	U	3.8	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	319-86-8	delta-BHC	1.3	JP	J	3.8	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	58-89-9	gamma-BHC (Lindane)	0.55	JP	NJ	3.8	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	76-44-8	Heptachlor	3.8	U	U	3.8	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	309-00-2	Aldrin	3.8	U	U	3.8	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	1024-57-3	Heptachlor epoxide	3.8	U	U	3.8	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	959-98-8	Endosulfan I	3.8	U	U	3.8	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	60-57-1	Dieldrin	1.5	JP	J	7.4	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	72-55-9	4,4'-DDE	3.2	JP	J	7.4	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	72-20-8	Endrin	1.2	JP	J	7.4	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	33213-65-9	Endosulfan II	7.4	U	U	7.4	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	72-54-8	4,4'-DDD	2.9	JP	J	7.4	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	1031-07-8	Endosulfan Sulfate	7.4	U	U	7.4	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	50-29-3	4,4'-DDT	0.32	JP	J	7.4	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	72-43-5	Methoxychlor	38	U	U	38	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	53494-70-5	Endrin ketone	7.4	U	U	7.4	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	7421-93-4	Endrin Aldehyde	7.4	U	U	7.4	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	5103-71-9	cis-Chlordane	2.7	J	J	3.8	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	5103-74-2	trans-Chlordane	3.6	JP	J	3.8	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	8001-35-2	Toxaphene	380	U	U	380	ug/kg	6100-SED07C
BG579	Sediment	04/23/2021	1.0	319-84-6	alpha-BHC	2.4	U	U	2.4	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	319-85-7	beta-BHC	2.4	U	U	2.4	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	319-86-8	delta-BHC	0.72	JP	J	2.4	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	58-89-9	gamma-BHC (Lindane)	2.4	U	U	2.4	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	76-44-8	Heptachlor	2.4	U	U	2.4	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	309-00-2	Aldrin	2.4	U	U	2.4	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	1024-57-3	Heptachlor epoxide	2.4	U	U	2.4	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	959-98-8	Endosulfan I	2.4	U	U	2.4	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	60-57-1	Dieldrin	1.0	JP	J	4.6	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	72-55-9	4,4'-DDE	2.4	JP	J	4.6	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	72-20-8	Endrin	0.65	JP	J	4.6	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	33213-65-9	Endosulfan II	4.6	U	U	4.6	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	72-54-8	4,4'-DDD	7.8	P	J	4.6	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	1031-07-8	Endosulfan Sulfate	4.6	U	U	4.6	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	50-29-3	4,4'-DDT	0.56	JP	NJ	4.6	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	72-43-5	Methoxychlor	24	U	U	24	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	53494-70-5	Endrin ketone	4.6	U	U	4.6	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	7421-93-4	Endrin Aldehyde	4.6	U	U	4.6	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	5103-71-9	cis-Chlordane	3.0			2.4	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	5103-74-2	trans-Chlordane	4.0			2.4	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	8001-35-2	Toxaphene	240	U	U	240	ug/kg	6100-SED08A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG580	Sediment	04/23/2021	1.0	319-84-6	alpha-BHC	2.2	U	U	2.2	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	319-85-7	beta-BHC	2.2	U	U	2.2	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	319-86-8	delta-BHC	2.2	U	U	2.2	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	58-89-9	gamma-BHC (Lindane)	2.2	U	U	2.2	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	76-44-8	Heptachlor	2.2	U	U	2.2	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	309-00-2	Aldrin	2.2	U	U	2.2	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	1024-57-3	Heptachlor epoxide	2.2	U	U	2.2	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	959-98-8	Endosulfan I	2.2	U	U	2.2	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	60-57-1	Dieldrin	4.2	U	U	4.2	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	72-55-9	4,4'-DDE	2.3	JP	J	4.2	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	72-20-8	Endrin	4.2	U	U	4.2	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	33213-65-9	Endosulfan II	4.2	U	U	4.2	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	72-54-8	4,4'-DDD	5.6	P	J	4.2	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	1031-07-8	Endosulfan Sulfate	4.2	U	U	4.2	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	50-29-3	4,4'-DDT	3.5	JP	NJ	4.2	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	72-43-5	Methoxychlor	22	U	U	22	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	53494-70-5	Endrin ketone	4.2	U	U	4.2	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	7421-93-4	Endrin Aldehyde	4.2	U	U	4.2	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	5103-71-9	cis-Chlordane	2.2	U	U	2.2	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	5103-74-2	trans-Chlordane	2.2	U	U	2.2	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	8001-35-2	Toxaphene	220	U	U	220	ug/kg	6100-SED08B
BG581	Sediment	04/23/2021	1.0	319-84-6	alpha-BHC	2.2	U	U	2.2	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	319-85-7	beta-BHC	2.2	U	U	2.2	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	319-86-8	delta-BHC	0.23	JP	J	2.2	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	58-89-9	gamma-BHC (Lindane)	2.2	U	U	2.2	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	76-44-8	Heptachlor	2.2	U	U	2.2	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	309-00-2	Aldrin	2.2	U	U	2.2	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	1024-57-3	Heptachlor epoxide	2.2	U	U	2.2	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	959-98-8	Endosulfan I	2.2	U	U	2.2	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	60-57-1	Dieldrin	4.2	U	U	4.2	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	72-55-9	4,4'-DDE	2.6	JP	J	4.2	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	72-20-8	Endrin	0.40	JP	J	4.2	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	33213-65-9	Endosulfan II	4.2	U	U	4.2	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	72-54-8	4,4'-DDD	2.4	JP	J	4.2	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	1031-07-8	Endosulfan Sulfate	4.2	U	U	4.2	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	50-29-3	4,4'-DDT	0.40	JP	NJ	4.2	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	72-43-5	Methoxychlor	22	U	U	22	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	53494-70-5	Endrin ketone	4.2	U	U	4.2	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	7421-93-4	Endrin Aldehyde	4.2	U	U	4.2	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	5103-71-9	cis-Chlordane	0.22	JP	NJ	2.2	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	5103-74-2	trans-Chlordane	1.3	JP	J	2.2	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	8001-35-2	Toxaphene	220	U	U	220	ug/kg	6100-SED08C
BG582	Sediment	04/23/2021	1.0	319-84-6	alpha-BHC	2.8	U	U	2.8	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	319-85-7	beta-BHC	2.8	U	U	2.8	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	319-86-8	delta-BHC	2.5	J	J	2.8	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	58-89-9	gamma-BHC (Lindane)	0.28	JP	NJ	2.8	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	76-44-8	Heptachlor	2.8	U	U	2.8	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	309-00-2	Aldrin	0.94	JP	J	2.8	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	1024-57-3	Heptachlor epoxide	1.4	JP	J	2.8	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	959-98-8	Endosulfan I	2.8	U	U	2.8	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	60-57-1	Dieldrin	1.4	JP	J	5.4	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	72-55-9	4,4'-DDE	23	P	J	5.4	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	72-20-8	Endrin	1.5	JP	NJ	5.4	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	33213-65-9	Endosulfan II	0.80	JP	NJ	5.4	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	72-54-8	4,4'-DDD	46			5.4	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	1031-07-8	Endosulfan Sulfate	1.5	JP	J	5.4	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	50-29-3	4,4'-DDT	5.4	U	U	5.4	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	72-43-5	Methoxychlor	28	U	U	28	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	53494-70-5	Endrin ketone	5.4	U	U	5.4	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	7421-93-4	Endrin Aldehyde	5.4	U	U	5.4	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	5103-71-9	cis-Chlordane	7.7	P	J	2.8	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	5103-74-2	trans-Chlordane	14			2.8	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	8001-35-2	Toxaphene	280	U	U	280	ug/kg	6100-SED09A
BG583	Sediment	04/23/2021	1.0	319-84-6	alpha-BHC	2.8	U	UJ	2.8	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	319-85-7	beta-BHC	2.8	U	UJ	2.8	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	319-86-8	delta-BHC	2.3	JP	J-	2.8	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	58-89-9	gamma-BHC (Lindane)	0.44	JP	J+	2.8	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	76-44-8	Heptachlor	2.8	U	UJ	2.8	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	309-00-2	Aldrin	0.31	JP	J-	2.8	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	1024-57-3	Heptachlor epoxide	0.43	JP	NJ	2.8	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	959-98-8	Endosulfan I	2.8	U	UJ	2.8	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	60-57-1	Dieldrin	1.7	JP	NJ	5.5	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	72-55-9	4,4'-DDE	3.8	JP	J+	5.5	ug/kg	6100-SED09B

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG583	Sediment	04/23/2021	1.0	72-20-8	Endrin	3.2	JP	J-	5.5	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	33213-65-9	Endosulfan II	5.5	U	UJ	5.5	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	72-54-8	4,4'-DDD	11		J+	5.5	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	1031-07-8	Endosulfan Sulfate	5.5	U	UJ	5.5	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	50-29-3	4,4'-DDT	0.99	JP	NJ	5.5	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	72-43-5	Methoxychlor	28	U	UJ	28	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	53494-70-5	Endrin ketone	5.5	U	UJ	5.5	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	7421-93-4	Endrin Aldehyde	5.5	U	UJ	5.5	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	5103-71-9	cis-Chlordane	13		J+	2.8	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	5103-74-2	trans-Chlordane	16	P	J+	2.8	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	8001-35-2	Toxaphene	280	U	UJ	280	ug/kg	6100-SED09B
BG584	Sediment	04/23/2021	1.0	319-84-6	alpha-BHC	2.8	U	U	2.8	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	319-85-7	beta-BHC	2.8	U	U	2.8	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	319-86-8	delta-BHC	1.7	JP	J	2.8	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	58-89-9	gamma-BHC (Lindane)	0.49	JP	J	2.8	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	76-44-8	Heptachlor	2.8	U	U	2.8	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	309-00-2	Aldrin	2.8	U	U	2.8	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	1024-57-3	Heptachlor epoxide	2.8	U	U	2.8	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	959-98-8	Endosulfan I	2.8	U	U	2.8	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	60-57-1	Dieldrin	1.1	JP	NJ	5.4	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	72-55-9	4,4'-DDE	2.9	JP	J	5.4	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	72-20-8	Endrin	2.0	JP	J	5.4	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	33213-65-9	Endosulfan II	9.3			5.4	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	72-54-8	4,4'-DDD	11			5.4	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	1031-07-8	Endosulfan Sulfate	5.4	U	U	5.4	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	50-29-3	4,4'-DDT	0.49	JP	NJ	5.4	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	72-43-5	Methoxychlor	28	U	U	28	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	53494-70-5	Endrin ketone	5.4	U	U	5.4	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	7421-93-4	Endrin Aldehyde	5.4	U	U	5.4	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	5103-71-9	cis-Chlordane	9.1	P	J	2.8	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	5103-74-2	trans-Chlordane	8.8	P	NJ	2.8	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	8001-35-2	Toxaphene	280	U	U	280	ug/kg	6100-SED09C
BG585	Sediment	04/26/2021	1.0	319-84-6	alpha-BHC	3.9	U	U	3.9	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	319-85-7	beta-BHC	3.9	U	U	3.9	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	319-86-8	delta-BHC	1.5	JP	J	3.9	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	58-89-9	gamma-BHC (Lindane)	0.45	J	J	3.9	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	76-44-8	Heptachlor	3.9	U	U	3.9	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	309-00-2	Aldrin	3.9	U	U	3.9	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	1024-57-3	Heptachlor epoxide	3.9	U	U	3.9	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	959-98-8	Endosulfan I	3.9	U	U	3.9	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	60-57-1	Dieldrin	0.98	JP	NJ	7.5	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	72-55-9	4,4'-DDE	3.1	JP	J	7.5	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	72-20-8	Endrin	2.3	JP	J	7.5	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	33213-65-9	Endosulfan II	8.2			7.5	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	72-54-8	4,4'-DDD	6.4	JP	J	7.5	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	1031-07-8	Endosulfan Sulfate	7.5	U	U	7.5	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	50-29-3	4,4'-DDT	7.5	U	U	7.5	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	72-43-5	Methoxychlor	1.9	JP	NJ	39	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	53494-70-5	Endrin ketone	7.5	U	U	7.5	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	7421-93-4	Endrin Aldehyde	7.5	U	U	7.5	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	5103-71-9	cis-Chlordane	9.6			3.9	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	5103-74-2	trans-Chlordane	7.3	P	NJ	3.9	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	8001-35-2	Toxaphene	390	U	U	390	ug/kg	6100-SED10A
BG586	Sediment	04/26/2021	1.0	319-84-6	alpha-BHC	4.0	U	U	4.0	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	319-85-7	beta-BHC	4.0	U	U	4.0	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	319-86-8	delta-BHC	3.9	JP	J+	4.0	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	58-89-9	gamma-BHC (Lindane)	0.67	J	J+	4.0	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	76-44-8	Heptachlor	4.0	U	U	4.0	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	309-00-2	Aldrin	4.0	U	U	4.0	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	1024-57-3	Heptachlor epoxide	1.0	JP	NJ	4.0	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	959-98-8	Endosulfan I	4.0	U	U	4.0	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	60-57-1	Dieldrin	1.6	JP	J+	7.7	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	72-55-9	4,4'-DDE	6.6	JP	J+	7.7	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	72-20-8	Endrin	3.6	JP	J+	7.7	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	33213-65-9	Endosulfan II	8.6		J+	7.7	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	72-54-8	4,4'-DDD	6.0	JP	J+	7.7	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	1031-07-8	Endosulfan Sulfate	7.7	U	U	7.7	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	50-29-3	4,4'-DDT	7.7	U	U	7.7	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	72-43-5	Methoxychlor	1.1	JP	NJ	40	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	53494-70-5	Endrin ketone	7.7	U	U	7.7	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	7421-93-4	Endrin Aldehyde	7.7	U	U	7.7	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	5103-71-9	cis-Chlordane	13		J+	4.0	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	5103-74-2	trans-Chlordane	14	P	J+	4.0	ug/kg	6100-SED10B

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG586	Sediment	04/26/2021	1.0	8001-35-2	Toxaphene	400	U	U	400	ug/kg	6100-SED10B
BG587	Sediment	04/26/2021	1.0	319-84-6	alpha-BHC	2.2	U	U	2.2	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	319-85-7	beta-BHC	2.2	U	U	2.2	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	319-86-8	delta-BHC	3.0	P	J	2.2	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	58-89-9	gamma-BHC (Lindane)	0.60	JP	J	2.2	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	76-44-8	Heptachlor	2.2	U	U	2.2	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	309-00-2	Aldrin	2.2	U	U	2.2	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	1024-57-3	Heptachlor epoxide	0.64	JP	NJ	2.2	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	959-98-8	Endosulfan I	2.2	U	U	2.2	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	60-57-1	Dieldrin	2.8	JP	NJ	4.3	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	72-55-9	4,4'-DDE	7.3	P	J	4.3	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	72-20-8	Endrin	0.99	JP	NJ	4.3	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	33213-65-9	Endosulfan II	4.3	U	U	4.3	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	72-54-8	4,4'-DDD	21			4.3	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	1031-07-8	Endosulfan Sulfate	4.3	U	U	4.3	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	50-29-3	4,4'-DDT	1.5	JP	NJ	4.3	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	72-43-5	Methoxychlor	1.3	JP	NJ	22	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	53494-70-5	Endrin ketone	4.3	U	U	4.3	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	7421-93-4	Endrin Aldehyde	4.3	U	U	4.3	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	5103-71-9	cis-Chlordane	7.8			2.2	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	5103-74-2	trans-Chlordane	10			2.2	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	8001-35-2	Toxaphene	220	U	U	220	ug/kg	6100-SED10C
BG588	Sediment	04/26/2021	1.0	319-84-6	alpha-BHC	2.0	U	U	2.0	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	319-85-7	beta-BHC	2.0	U	U	2.0	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	319-86-8	delta-BHC	0.34	JP	NJ	2.0	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	58-89-9	gamma-BHC (Lindane)	2.0	U	U	2.0	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	76-44-8	Heptachlor	2.0	U	U	2.0	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	309-00-2	Aldrin	2.0	U	U	2.0	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	1024-57-3	Heptachlor epoxide	2.0	U	U	2.0	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	959-98-8	Endosulfan I	2.0	U	U	2.0	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	60-57-1	Dieldrin	0.50	JP	NJ	3.8	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	72-55-9	4,4'-DDE	0.89	JP	J	3.8	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	72-20-8	Endrin	0.28	J	J	3.8	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	33213-65-9	Endosulfan II	3.8	U	U	3.8	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	72-54-8	4,4'-DDD	5.3	P	J	3.8	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	1031-07-8	Endosulfan Sulfate	3.8	U	U	3.8	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	50-29-3	4,4'-DDT	0.29	JP	NJ	3.8	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	72-43-5	Methoxychlor	20	U	U	20	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	53494-70-5	Endrin ketone	3.8	U	U	3.8	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	7421-93-4	Endrin Aldehyde	3.8	U	U	3.8	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	5103-71-9	cis-Chlordane	0.71	JP	J	2.0	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	5103-74-2	trans-Chlordane	1.4	JP	NJ	2.0	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	8001-35-2	Toxaphene	200	U	U	200	ug/kg	6100-SED11A
BG589	Sediment	04/26/2021	1.0	319-84-6	alpha-BHC	2.1	U	U	2.1	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	319-85-7	beta-BHC	2.1	U	U	2.1	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	319-86-8	delta-BHC	1.3	JP	J	2.1	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	58-89-9	gamma-BHC (Lindane)	2.1	U	U	2.1	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	76-44-8	Heptachlor	2.1	U	U	2.1	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	309-00-2	Aldrin	2.1	U	U	2.1	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	1024-57-3	Heptachlor epoxide	0.37	JP	J	2.1	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	959-98-8	Endosulfan I	2.1	U	U	2.1	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	60-57-1	Dieldrin	2.7	JP	J	4.0	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	72-55-9	4,4'-DDE	6.1	P	J	4.0	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	72-20-8	Endrin	0.76	JP	J	4.0	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	33213-65-9	Endosulfan II	4.0	U	U	4.0	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	72-54-8	4,4'-DDD	35			4.0	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	1031-07-8	Endosulfan Sulfate	4.0	U	U	4.0	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	50-29-3	4,4'-DDT	4.0	U	U	4.0	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	72-43-5	Methoxychlor	21	U	U	21	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	53494-70-5	Endrin ketone	4.0	U	U	4.0	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	7421-93-4	Endrin Aldehyde	4.0	U	U	4.0	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	5103-71-9	cis-Chlordane	6.1			2.1	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	5103-74-2	trans-Chlordane	9.8			2.1	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	8001-35-2	Toxaphene	210	U	U	210	ug/kg	6100-SED11B
BG590	Sediment	04/26/2021	1.0	319-84-6	alpha-BHC	2.4	U	U	2.4	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	319-85-7	beta-BHC	2.4	U	U	2.4	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	319-86-8	delta-BHC	1.4	JP	J	2.4	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	58-89-9	gamma-BHC (Lindane)	2.4	U	U	2.4	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	76-44-8	Heptachlor	2.4	U	U	2.4	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	309-00-2	Aldrin	0.45	JP	J	2.4	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	1024-57-3	Heptachlor epoxide	0.72	JP	J	2.4	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	959-98-8	Endosulfan I	2.4	U	U	2.4	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	60-57-1	Dieldrin	4.6	U	U	4.6	ug/kg	6100-SED11C

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG590	Sediment	04/26/2021	1.0	72-55-9	4,4'-DDE	8.7	P	J	4.6	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	72-20-8	Endrin	0.79	JP	J	4.6	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	33213-65-9	Endosulfan II	4.6	U	U	4.6	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	72-54-8	4,4'-DDD	21			4.6	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	1031-07-8	Endosulfan Sulfate	4.6	U	U	4.6	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	50-29-3	4,4'-DDT	4.6	U	U	4.6	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	72-43-5	Methoxychlor	24	U	U	24	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	53494-70-5	Endrin ketone	4.6	U	U	4.6	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	7421-93-4	Endrin Aldehyde	4.6	U	U	4.6	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	5103-71-9	cis-Chlordane	2.6	P	J	2.4	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	5103-74-2	trans-Chlordane	7.3	P	J	2.4	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	8001-35-2	Toxaphene	240	U	U	240	ug/kg	6100-SED11C
BG591	Sediment	04/26/2021	1.0	319-84-6	alpha-BHC	2.3	U	U	2.3	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	319-85-7	beta-BHC	2.3	U	U	2.3	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	319-86-8	delta-BHC	1.8	J	J	2.3	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	58-89-9	gamma-BHC (Lindane)	0.47	JP	NJ	2.3	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	76-44-8	Heptachlor	2.3	U	U	2.3	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	309-00-2	Aldrin	2.3	U	U	2.3	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	1024-57-3	Heptachlor epoxide	2.3	U	U	2.3	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	959-98-8	Endosulfan I	2.3	U	U	2.3	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	60-57-1	Dieldrin	1.6	JP	J	4.5	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	72-55-9	4,4'-DDE	2.1	JP	J	4.5	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	72-20-8	Endrin	0.78	JP	J	4.5	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	33213-65-9	Endosulfan II	4.5	U	U	4.5	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	72-54-8	4,4'-DDD	15			4.5	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	1031-07-8	Endosulfan Sulfate	4.5	U	U	4.5	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	50-29-3	4,4'-DDT	1.1	JP	J	4.5	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	72-43-5	Methoxychlor	23	U	U	23	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	53494-70-5	Endrin ketone	4.5	U	U	4.5	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	7421-93-4	Endrin Aldehyde	4.5	U	U	4.5	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	5103-71-9	cis-Chlordane	6.9			2.3	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	5103-74-2	trans-Chlordane	8.3	P	J	2.3	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	8001-35-2	Toxaphene	230	U	U	230	ug/kg	6100-SED12A
BG592	Sediment	04/26/2021	1.0	319-84-6	alpha-BHC	2.0	U	U	2.0	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	319-85-7	beta-BHC	2.0	U	U	2.0	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	319-86-8	delta-BHC	2.3			2.0	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	58-89-9	gamma-BHC (Lindane)	0.71	JP	NJ	2.0	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	76-44-8	Heptachlor	2.0	U	U	2.0	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	309-00-2	Aldrin	2.0	U	U	2.0	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	1024-57-3	Heptachlor epoxide	2.0	U	U	2.0	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	959-98-8	Endosulfan I	2.0	U	U	2.0	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	60-57-1	Dieldrin	1.6	JP	NJ	3.9	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	72-55-9	4,4'-DDE	3.7	JP	J	3.9	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	72-20-8	Endrin	1.5	JP	J	3.9	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	33213-65-9	Endosulfan II	3.9	U	U	3.9	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	72-54-8	4,4'-DDD	38			3.9	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	1031-07-8	Endosulfan Sulfate	3.9	U	U	3.9	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	10.0	50-29-3	4,4'-DDT	290	D		39	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	72-43-5	Methoxychlor	20	U	U	20	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	53494-70-5	Endrin ketone	3.9	U	U	3.9	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	7421-93-4	Endrin Aldehyde	3.9	U	U	3.9	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	5103-71-9	cis-Chlordane	8.1			2.0	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	5103-74-2	trans-Chlordane	11	P	J	2.0	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	8001-35-2	Toxaphene	200	U	U	200	ug/kg	6100-SED12B
BG594	Sediment	04/26/2021	1.0	319-84-6	alpha-BHC	3.8	U	U	3.8	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	319-85-7	beta-BHC	3.8	U	U	3.8	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	319-86-8	delta-BHC	1.8	JP	J	3.8	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	58-89-9	gamma-BHC (Lindane)	0.56	JP	NJ	3.8	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	76-44-8	Heptachlor	3.8	U	U	3.8	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	309-00-2	Aldrin	0.91	JP	J	3.8	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	1024-57-3	Heptachlor epoxide	1.7	J	J	3.8	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	959-98-8	Endosulfan I	3.8	U	U	3.8	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	60-57-1	Dieldrin	1.7	JP	J	7.3	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	72-55-9	4,4'-DDE	14	P	J	7.3	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	72-20-8	Endrin	0.88	J	J	7.3	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	33213-65-9	Endosulfan II	7.3	U	U	7.3	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	72-54-8	4,4'-DDD	4.8	JP	J	7.3	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	1031-07-8	Endosulfan Sulfate	7.3	U	U	7.3	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	50-29-3	4,4'-DDT	7.3	U	U	7.3	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	72-43-5	Methoxychlor	38	U	U	38	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	53494-70-5	Endrin ketone	7.3	U	U	7.3	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	7421-93-4	Endrin Aldehyde	7.3	U	U	7.3	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	5103-71-9	cis-Chlordane	2.4	JP	J	3.8	ug/kg	6100-SED13A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG594	Sediment	04/26/2021	1.0	5103-74-2	trans-Chlordane	7.9	P	J	3.8	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	8001-35-2	Toxaphene	380	U	U	380	ug/kg	6100-SED13A
PLCS040		04/30/2021	1.0	8001-35-2	Toxaphene	170	U	U	170	ug/kg	
PLCS040		04/30/2021	1.0	319-84-6	alpha-BHC	1.5	J	J	1.7	ug/kg	
PLCS040		04/30/2021	1.0	319-85-7	beta-BHC	1.6	J	J	1.7	ug/kg	
PLCS040		04/30/2021	1.0	319-86-8	delta-BHC	1.4	J	J	1.7	ug/kg	
PLCS040		04/30/2021	1.0	58-89-9	gamma-BHC (Lindane)	1.5	J	J	1.7	ug/kg	
PLCS040		04/30/2021	1.0	76-44-8	Heptachlor	1.5	J	J	1.7	ug/kg	
PLCS040		04/30/2021	1.0	309-00-2	Aldrin	1.5	J	J	1.7	ug/kg	
PLCS040		04/30/2021	1.0	1024-57-3	Heptachlor epoxide	1.5	J	J	1.7	ug/kg	
PLCS040		04/30/2021	1.0	959-98-8	Endosulfan I	1.5	J	J	1.7	ug/kg	
PLCS040		04/30/2021	1.0	60-57-1	Dieldrin	3.0	J	J	3.3	ug/kg	
PLCS040		04/30/2021	1.0	72-55-9	4,4'-DDE	2.9	J	J	3.3	ug/kg	
PLCS040		04/30/2021	1.0	72-20-8	Endrin	3.1	J	J	3.3	ug/kg	
PLCS040		04/30/2021	1.0	33213-65-9	Endosulfan II	3.2	J	J	3.3	ug/kg	
PLCS040		04/30/2021	1.0	72-54-8	4,4'-DDD	3.0	J	J	3.3	ug/kg	
PLCS040		04/30/2021	1.0	1031-07-8	Endosulfan Sulfate	2.9	J	J	3.3	ug/kg	
PLCS040		04/30/2021	1.0	50-29-3	4,4'-DDT	2.5	J	J	3.3	ug/kg	
PLCS040		04/30/2021	1.0	72-43-5	Methoxychlor	15	J	J	17	ug/kg	
PLCS040		04/30/2021	1.0	53494-70-5	Endrin ketone	3.2	J	J	3.3	ug/kg	
PLCS040		04/30/2021	1.0	7421-93-4	Endrin Aldehyde	3.3			3.3	ug/kg	
PLCS040		04/30/2021	1.0	5103-71-9	cis-Chlordane	1.5	J	J	1.7	ug/kg	
PLCS040		04/30/2021	1.0	5103-74-2	trans-Chlordane	1.5	J	J	1.7	ug/kg	
BG576MS	Sediment	04/26/2021	1.0	8001-35-2	Toxaphene	520	U	U	520	ug/kg	6100-SED07A
BG576MS	Sediment	04/26/2021	1.0	319-84-6	alpha-BHC	26	*		5.2	ug/kg	6100-SED07A
BG576MS	Sediment	04/26/2021	1.0	319-85-7	beta-BHC	26	*		5.2	ug/kg	6100-SED07A
BG576MS	Sediment	04/26/2021	1.0	319-86-8	delta-BHC	13	*		5.2	ug/kg	6100-SED07A
BG576MS	Sediment	04/26/2021	1.0	58-89-9	gamma-BHC (Lindane)	27			5.2	ug/kg	6100-SED07A
BG576MS	Sediment	04/26/2021	1.0	76-44-8	Heptachlor	28			5.2	ug/kg	6100-SED07A
BG576MS	Sediment	04/26/2021	1.0	309-00-2	Aldrin	28			5.2	ug/kg	6100-SED07A
BG576MS	Sediment	04/26/2021	1.0	1024-57-3	Heptachlor epoxide	27	*		5.2	ug/kg	6100-SED07A
BG576MS	Sediment	04/26/2021	1.0	959-98-8	Endosulfan I	27	*		5.2	ug/kg	6100-SED07A
BG576MS	Sediment	04/26/2021	1.0	60-57-1	Dieldrin	54			10	ug/kg	6100-SED07A
BG576MS	Sediment	04/26/2021	1.0	72-55-9	4,4'-DDE	53	*		10	ug/kg	6100-SED07A
BG576MS	Sediment	04/26/2021	1.0	72-20-8	Endrin	55			10	ug/kg	6100-SED07A
BG576MS	Sediment	04/26/2021	1.0	33213-65-9	Endosulfan II	57	*		10	ug/kg	6100-SED07A
BG576MS	Sediment	04/26/2021	1.0	72-54-8	4,4'-DDD	58	*		10	ug/kg	6100-SED07A
BG576MS	Sediment	04/26/2021	1.0	1031-07-8	Endosulfan Sulfate	46	*		10	ug/kg	6100-SED07A
BG576MS	Sediment	04/26/2021	1.0	50-29-3	4,4'-DDT	54			10	ug/kg	6100-SED07A
BG576MS	Sediment	04/26/2021	1.0	72-43-5	Methoxychlor	260	*		52	ug/kg	6100-SED07A
BG576MS	Sediment	04/26/2021	1.0	53494-70-5	Endrin ketone	54	*		10	ug/kg	6100-SED07A
BG576MS	Sediment	04/26/2021	1.0	7421-93-4	Endrin Aldehyde	53	*		10	ug/kg	6100-SED07A
BG576MS	Sediment	04/26/2021	1.0	5103-71-9	cis-Chlordane	28	*		5.2	ug/kg	6100-SED07A
BG576MS	Sediment	04/26/2021	1.0	5103-74-2	trans-Chlordane	30	*		5.2	ug/kg	6100-SED07A
BG576MSD	Sediment	04/26/2021	1.0	8001-35-2	Toxaphene	520	U	U	520	ug/kg	6100-SED07A
BG576MSD	Sediment	04/26/2021	1.0	319-84-6	alpha-BHC	26	*		5.2	ug/kg	6100-SED07A
BG576MSD	Sediment	04/26/2021	1.0	319-85-7	beta-BHC	26	*		5.2	ug/kg	6100-SED07A
BG576MSD	Sediment	04/26/2021	1.0	319-86-8	delta-BHC	13	*		5.2	ug/kg	6100-SED07A
BG576MSD	Sediment	04/26/2021	1.0	58-89-9	gamma-BHC (Lindane)	27			5.2	ug/kg	6100-SED07A
BG576MSD	Sediment	04/26/2021	1.0	76-44-8	Heptachlor	28			5.2	ug/kg	6100-SED07A
BG576MSD	Sediment	04/26/2021	1.0	309-00-2	Aldrin	28			5.2	ug/kg	6100-SED07A
BG576MSD	Sediment	04/26/2021	1.0	1024-57-3	Heptachlor epoxide	27	*		5.2	ug/kg	6100-SED07A
BG576MSD	Sediment	04/26/2021	1.0	959-98-8	Endosulfan I	27	*		5.2	ug/kg	6100-SED07A
BG576MSD	Sediment	04/26/2021	1.0	60-57-1	Dieldrin	55			10	ug/kg	6100-SED07A
BG576MSD	Sediment	04/26/2021	1.0	72-55-9	4,4'-DDE	54	*		10	ug/kg	6100-SED07A
BG576MSD	Sediment	04/26/2021	1.0	72-20-8	Endrin	56			10	ug/kg	6100-SED07A
BG576MSD	Sediment	04/26/2021	1.0	33213-65-9	Endosulfan II	59	*		10	ug/kg	6100-SED07A
BG576MSD	Sediment	04/26/2021	1.0	72-54-8	4,4'-DDD	58	*		10	ug/kg	6100-SED07A
BG576MSD	Sediment	04/26/2021	1.0	1031-07-8	Endosulfan Sulfate	47	*		10	ug/kg	6100-SED07A
BG576MSD	Sediment	04/26/2021	1.0	50-29-3	4,4'-DDT	55			10	ug/kg	6100-SED07A
BG576MSD	Sediment	04/26/2021	1.0	72-43-5	Methoxychlor	270	*		52	ug/kg	6100-SED07A
BG576MSD	Sediment	04/26/2021	1.0	53494-70-5	Endrin ketone	55	*		10	ug/kg	6100-SED07A
BG576MSD	Sediment	04/26/2021	1.0	7421-93-4	Endrin Aldehyde	55	*		10	ug/kg	6100-SED07A
BG576MSD	Sediment	04/26/2021	1.0	5103-71-9	cis-Chlordane	28	*		5.2	ug/kg	6100-SED07A
BG576MSD	Sediment	04/26/2021	1.0	5103-74-2	trans-Chlordane	30	*		5.2	ug/kg	6100-SED07A
PBLK040		04/30/2021	1.0	319-84-6	alpha-BHC	1.7	U	U	1.7	ug/kg	
PBLK040		04/30/2021	1.0	319-85-7	beta-BHC	1.7	U	U	1.7	ug/kg	
PBLK040		04/30/2021	1.0	319-86-8	delta-BHC	1.7	U	U	1.7	ug/kg	
PBLK040		04/30/2021	1.0	58-89-9	gamma-BHC (Lindane)	1.7	U	U	1.7	ug/kg	
PBLK040		04/30/2021	1.0	76-44-8	Heptachlor	1.7	U	U	1.7	ug/kg	
PBLK040		04/30/2021	1.0	309-00-2	Aldrin	1.7	U	U	1.7	ug/kg	
PBLK040		04/30/2021	1.0	1024-57-3	Heptachlor epoxide	1.7	U	U	1.7	ug/kg	
PBLK040		04/30/2021	1.0	959-98-8	Endosulfan I	1.7	U	U	1.7	ug/kg	

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
PBLK040		04/30/2021	1.0	60-57-1	Dieldrin	3.3	U	U	3.3	ug/kg	
PBLK040		04/30/2021	1.0	72-55-9	4,4'-DDE	3.3	U	U	3.3	ug/kg	
PBLK040		04/30/2021	1.0	72-20-8	Endrin	3.3	U	U	3.3	ug/kg	
PBLK040		04/30/2021	1.0	33213-65-9	Endosulfan II	3.3	U	U	3.3	ug/kg	
PBLK040		04/30/2021	1.0	72-54-8	4,4'-DDD	3.3	U	U	3.3	ug/kg	
PBLK040		04/30/2021	1.0	1031-07-8	Endosulfan Sulfate	3.3	U	U	3.3	ug/kg	
PBLK040		04/30/2021	1.0	50-29-3	4,4'-DDT	3.3	U	U	3.3	ug/kg	
PBLK040		04/30/2021	1.0	72-43-5	Methoxychlor	17	U	U	17	ug/kg	
PBLK040		04/30/2021	1.0	53494-70-5	Endrin ketone	3.3	U	U	3.3	ug/kg	
PBLK040		04/30/2021	1.0	7421-93-4	Endrin Aldehyde	3.3	U	U	3.3	ug/kg	
PBLK040		04/30/2021	1.0	5103-71-9	cis-Chlordane	1.7	U	U	1.7	ug/kg	
PBLK040		04/30/2021	1.0	5103-74-2	trans-Chlordane	1.7	U	U	1.7	ug/kg	
PBLK040		04/30/2021	1.0	8001-35-2	Toxaphene	170	U	U	170	ug/kg	
BG514	Sediment	04/23/2021	1.0	12674-11-2	Aroclor-1016	43	U	U	43	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	11104-28-2	Aroclor-1221	43	U	U	43	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	11141-16-5	Aroclor-1232	43	U	U	43	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	53469-21-9	Aroclor-1242	43	U	U	43	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	12672-29-6	Aroclor-1248	54	P	J	43	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	11097-69-1	Aroclor-1254	35	JP	J	43	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	11096-82-5	Aroclor-1260	43	U	U	43	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	37324-23-5	Aroclor-1262	43	U	U	43	ug/kg	6100-SED26B
BG514	Sediment	04/23/2021	1.0	11100-14-4	Aroclor-1268	43	U	U	43	ug/kg	6100-SED26B
BG515	Sediment	04/26/2021	1.0	12674-11-2	Aroclor-1016	89	U	U	89	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	11104-28-2	Aroclor-1221	89	U	U	89	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	11141-16-5	Aroclor-1232	89	U	U	89	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	53469-21-9	Aroclor-1242	89	U	U	89	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	12672-29-6	Aroclor-1248	71	J	J	89	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	11097-69-1	Aroclor-1254	43	J	J	89	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	11096-82-5	Aroclor-1260	89	U	U	89	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	37324-23-5	Aroclor-1262	89	U	U	89	ug/kg	6100-SED26C
BG515	Sediment	04/26/2021	1.0	11100-14-4	Aroclor-1268	89	U	U	89	ug/kg	6100-SED26C
BG576	Sediment	04/26/2021	1.0	12674-11-2	Aroclor-1016	100	U	U	100	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	11104-28-2	Aroclor-1221	100	U	U	100	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	11141-16-5	Aroclor-1232	100	U	U	100	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	53469-21-9	Aroclor-1242	100	U	U	100	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	12672-29-6	Aroclor-1248	33	J	J	100	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	11097-69-1	Aroclor-1254	18	J	J	100	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	11096-82-5	Aroclor-1260	100	U	U	100	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	37324-23-5	Aroclor-1262	100	U	U	100	ug/kg	6100-SED07A
BG576	Sediment	04/26/2021	1.0	11100-14-4	Aroclor-1268	100	U	U	100	ug/kg	6100-SED07A
BG577	Sediment	04/26/2021	1.0	12674-11-2	Aroclor-1016	89	U	U	89	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	11104-28-2	Aroclor-1221	89	U	U	89	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	11141-16-5	Aroclor-1232	89	U	U	89	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	53469-21-9	Aroclor-1242	89	U	U	89	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	12672-29-6	Aroclor-1248	78	J	J	89	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	11097-69-1	Aroclor-1254	39	J	J	89	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	11096-82-5	Aroclor-1260	89	U	U	89	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	37324-23-5	Aroclor-1262	89	U	U	89	ug/kg	6100-SED07B
BG577	Sediment	04/26/2021	1.0	11100-14-4	Aroclor-1268	89	U	U	89	ug/kg	6100-SED07B
BG578	Sediment	04/26/2021	1.0	12674-11-2	Aroclor-1016	74	U	U	74	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	11104-28-2	Aroclor-1221	74	U	U	74	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	11141-16-5	Aroclor-1232	74	U	U	74	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	53469-21-9	Aroclor-1242	74	U	U	74	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	12672-29-6	Aroclor-1248	56	J	J	74	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	11097-69-1	Aroclor-1254	38	J	J	74	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	11096-82-5	Aroclor-1260	74	U	U	74	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	37324-23-5	Aroclor-1262	74	U	U	74	ug/kg	6100-SED07C
BG578	Sediment	04/26/2021	1.0	11100-14-4	Aroclor-1268	74	U	U	74	ug/kg	6100-SED07C
BG579	Sediment	04/23/2021	1.0	12674-11-2	Aroclor-1016	46	U	U	46	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	11104-28-2	Aroclor-1221	46	U	U	46	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	11141-16-5	Aroclor-1232	46	U	U	46	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	53469-21-9	Aroclor-1242	46	U	U	46	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	12672-29-6	Aroclor-1248	53			46	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	11097-69-1	Aroclor-1254	31	JP	J	46	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	11096-82-5	Aroclor-1260	46	U	U	46	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	37324-23-5	Aroclor-1262	46	U	U	46	ug/kg	6100-SED08A
BG579	Sediment	04/23/2021	1.0	11100-14-4	Aroclor-1268	46	U	U	46	ug/kg	6100-SED08A
BG580	Sediment	04/23/2021	1.0	12674-11-2	Aroclor-1016	42	U	U	42	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	11104-28-2	Aroclor-1221	42	U	U	42	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	11141-16-5	Aroclor-1232	42	U	U	42	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	53469-21-9	Aroclor-1242	42	U	U	42	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	12672-29-6	Aroclor-1248	46			42	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	11097-69-1	Aroclor-1254	30	JP	J	42	ug/kg	6100-SED08B

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG580	Sediment	04/23/2021	1.0	11096-82-5	Aroclor-1260	42	U	U	42	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	37324-23-5	Aroclor-1262	42	U	U	42	ug/kg	6100-SED08B
BG580	Sediment	04/23/2021	1.0	11100-14-4	Aroclor-1268	42	U	U	42	ug/kg	6100-SED08B
BG581	Sediment	04/23/2021	1.0	12674-11-2	Aroclor-1016	42	U	U	42	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	11104-28-2	Aroclor-1221	42	U	U	42	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	11141-16-5	Aroclor-1232	42	U	U	42	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	53469-21-9	Aroclor-1242	42	U	U	42	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	12672-29-6	Aroclor-1248	15	J	J	42	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	11097-69-1	Aroclor-1254	19	J	J	42	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	11096-82-5	Aroclor-1260	42	U	U	42	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	37324-23-5	Aroclor-1262	42	U	U	42	ug/kg	6100-SED08C
BG581	Sediment	04/23/2021	1.0	11100-14-4	Aroclor-1268	42	U	U	42	ug/kg	6100-SED08C
BG582	Sediment	04/23/2021	1.0	12674-11-2	Aroclor-1016	54	U	U	54	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	11104-28-2	Aroclor-1221	54	U	U	54	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	11141-16-5	Aroclor-1232	54	U	U	54	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	53469-21-9	Aroclor-1242	54	U	U	54	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	12672-29-6	Aroclor-1248	84	P	J	54	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	11097-69-1	Aroclor-1254	120	P	J	54	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	11096-82-5	Aroclor-1260	54	U	U	54	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	37324-23-5	Aroclor-1262	54	U	U	54	ug/kg	6100-SED09A
BG582	Sediment	04/23/2021	1.0	11100-14-4	Aroclor-1268	54	U	U	54	ug/kg	6100-SED09A
BG583	Sediment	04/23/2021	1.0	12674-11-2	Aroclor-1016	55	U	U	55	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	11104-28-2	Aroclor-1221	55	U	U	55	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	11141-16-5	Aroclor-1232	55	U	U	55	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	53469-21-9	Aroclor-1242	55	U	U	55	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	12672-29-6	Aroclor-1248	150	P	J	55	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	11097-69-1	Aroclor-1254	110	P	J	55	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	11096-82-5	Aroclor-1260	55	U	U	55	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	37324-23-5	Aroclor-1262	55	U	U	55	ug/kg	6100-SED09B
BG583	Sediment	04/23/2021	1.0	11100-14-4	Aroclor-1268	55	U	U	55	ug/kg	6100-SED09B
BG584	Sediment	04/23/2021	1.0	12674-11-2	Aroclor-1016	53	U	U	53	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	11104-28-2	Aroclor-1221	53	U	U	53	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	11141-16-5	Aroclor-1232	53	U	U	53	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	53469-21-9	Aroclor-1242	53	U	U	53	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	12672-29-6	Aroclor-1248	50	JP	J	53	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	11097-69-1	Aroclor-1254	48	J	J	53	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	11096-82-5	Aroclor-1260	53	U	U	53	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	37324-23-5	Aroclor-1262	53	U	U	53	ug/kg	6100-SED09C
BG584	Sediment	04/23/2021	1.0	11100-14-4	Aroclor-1268	53	U	U	53	ug/kg	6100-SED09C
BG585	Sediment	04/26/2021	1.0	12674-11-2	Aroclor-1016	75	U	U	75	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	11104-28-2	Aroclor-1221	75	U	U	75	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	11141-16-5	Aroclor-1232	75	U	U	75	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	53469-21-9	Aroclor-1242	75	U	U	75	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	12672-29-6	Aroclor-1248	42	JP	J	75	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	11097-69-1	Aroclor-1254	41	J	J	75	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	11096-82-5	Aroclor-1260	75	U	U	75	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	37324-23-5	Aroclor-1262	75	U	U	75	ug/kg	6100-SED10A
BG585	Sediment	04/26/2021	1.0	11100-14-4	Aroclor-1268	75	U	U	75	ug/kg	6100-SED10A
BG586	Sediment	04/26/2021	1.0	12674-11-2	Aroclor-1016	77	U	U	77	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	11104-28-2	Aroclor-1221	77	U	U	77	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	11141-16-5	Aroclor-1232	77	U	U	77	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	53469-21-9	Aroclor-1242	77	U	U	77	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	12672-29-6	Aroclor-1248	98	P	J	77	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	11097-69-1	Aroclor-1254	72	J	J	77	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	11096-82-5	Aroclor-1260	77	U	U	77	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	37324-23-5	Aroclor-1262	77	U	U	77	ug/kg	6100-SED10B
BG586	Sediment	04/26/2021	1.0	11100-14-4	Aroclor-1268	77	U	U	77	ug/kg	6100-SED10B
BG587	Sediment	04/26/2021	1.0	12674-11-2	Aroclor-1016	43	U	U	43	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	11104-28-2	Aroclor-1221	43	U	U	43	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	11141-16-5	Aroclor-1232	43	U	U	43	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	53469-21-9	Aroclor-1242	43	U	U	43	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	12672-29-6	Aroclor-1248	100			43	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	11097-69-1	Aroclor-1254	55	P	J	43	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	11096-82-5	Aroclor-1260	43	U	U	43	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	37324-23-5	Aroclor-1262	43	U	U	43	ug/kg	6100-SED10C
BG587	Sediment	04/26/2021	1.0	11100-14-4	Aroclor-1268	43	U	U	43	ug/kg	6100-SED10C
BG588	Sediment	04/26/2021	1.0	12674-11-2	Aroclor-1016	39	U	U	39	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	11104-28-2	Aroclor-1221	39	U	U	39	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	11141-16-5	Aroclor-1232	39	U	U	39	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	53469-21-9	Aroclor-1242	39	U	U	39	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	12672-29-6	Aroclor-1248	10	J	J	39	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	11097-69-1	Aroclor-1254	13	J	J	39	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	11096-82-5	Aroclor-1260	39	U	U	39	ug/kg	6100-SED11A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG588	Sediment	04/26/2021	1.0	37324-23-5	Aroclor-1262	39	U	U	39	ug/kg	6100-SED11A
BG588	Sediment	04/26/2021	1.0	11100-14-4	Aroclor-1268	39	U	U	39	ug/kg	6100-SED11A
BG589	Sediment	04/26/2021	1.0	12674-11-2	Aroclor-1016	40	U	U	40	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	11104-28-2	Aroclor-1221	40	U	U	40	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	11141-16-5	Aroclor-1232	40	U	U	40	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	53469-21-9	Aroclor-1242	40	U	U	40	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	12672-29-6	Aroclor-1248	28	JP	J	40	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	11097-69-1	Aroclor-1254	32	JP	J	40	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	11096-82-5	Aroclor-1260	40	U	U	40	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	37324-23-5	Aroclor-1262	40	U	U	40	ug/kg	6100-SED11B
BG589	Sediment	04/26/2021	1.0	11100-14-4	Aroclor-1268	40	U	U	40	ug/kg	6100-SED11B
BG590	Sediment	04/26/2021	1.0	12674-11-2	Aroclor-1016	46	U	U	46	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	11104-28-2	Aroclor-1221	46	U	U	46	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	11141-16-5	Aroclor-1232	46	U	U	46	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	53469-21-9	Aroclor-1242	46	U	U	46	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	12672-29-6	Aroclor-1248	27	JP	J	46	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	11097-69-1	Aroclor-1254	46	U	U	46	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	11096-82-5	Aroclor-1260	46	U	U	46	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	37324-23-5	Aroclor-1262	46	U	U	46	ug/kg	6100-SED11C
BG590	Sediment	04/26/2021	1.0	11100-14-4	Aroclor-1268	46	U	U	46	ug/kg	6100-SED11C
BG591	Sediment	04/26/2021	1.0	12674-11-2	Aroclor-1016	45	U	U	45	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	11104-28-2	Aroclor-1221	45	U	U	45	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	11141-16-5	Aroclor-1232	45	U	U	45	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	53469-21-9	Aroclor-1242	45	U	U	45	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	12672-29-6	Aroclor-1248	77	P	J	45	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	11097-69-1	Aroclor-1254	43	JP	J	45	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	11096-82-5	Aroclor-1260	45	U	U	45	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	37324-23-5	Aroclor-1262	45	U	U	45	ug/kg	6100-SED12A
BG591	Sediment	04/26/2021	1.0	11100-14-4	Aroclor-1268	45	U	U	45	ug/kg	6100-SED12A
BG592	Sediment	04/26/2021	1.0	12674-11-2	Aroclor-1016	39	U	U	39	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	11104-28-2	Aroclor-1221	39	U	U	39	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	11141-16-5	Aroclor-1232	39	U	U	39	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	53469-21-9	Aroclor-1242	39	U	U	39	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	12672-29-6	Aroclor-1248	45			39	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	11097-69-1	Aroclor-1254	42			39	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	11096-82-5	Aroclor-1260	39	U	U	39	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	37324-23-5	Aroclor-1262	39	U	U	39	ug/kg	6100-SED12B
BG592	Sediment	04/26/2021	1.0	11100-14-4	Aroclor-1268	39	U	U	39	ug/kg	6100-SED12B
BG594	Sediment	04/26/2021	1.0	12674-11-2	Aroclor-1016	73	U	U	73	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	11104-28-2	Aroclor-1221	73	U	U	73	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	11141-16-5	Aroclor-1232	73	U	U	73	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	53469-21-9	Aroclor-1242	73	U	U	73	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	12672-29-6	Aroclor-1248	27	J	J	73	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	11097-69-1	Aroclor-1254	28	J	J	73	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	11096-82-5	Aroclor-1260	73	U	U	73	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	37324-23-5	Aroclor-1262	73	U	U	73	ug/kg	6100-SED13A
BG594	Sediment	04/26/2021	1.0	11100-14-4	Aroclor-1268	73	U	U	73	ug/kg	6100-SED13A
ALCS051		04/29/2021	1.0	11104-28-2	Aroclor-1221	33	U	U	33	ug/kg	
ALCS051		04/29/2021	1.0	11141-16-5	Aroclor-1232	33	U	U	33	ug/kg	
ALCS051		04/29/2021	1.0	53469-21-9	Aroclor-1242	33	U	U	33	ug/kg	
ALCS051		04/29/2021	1.0	12672-29-6	Aroclor-1248	33	U	U	33	ug/kg	
ALCS051		04/29/2021	1.0	11097-69-1	Aroclor-1254	33	U	U	33	ug/kg	
ALCS051		04/29/2021	1.0	37324-23-5	Aroclor-1262	33	U	U	33	ug/kg	
ALCS051		04/29/2021	1.0	11100-14-4	Aroclor-1268	33	U	U	33	ug/kg	
ALCS051		04/29/2021	1.0	12674-11-2	Aroclor-1016	31	J	J	33	ug/kg	
ALCS051		04/29/2021	1.0	11096-82-5	Aroclor-1260	32	J	J	33	ug/kg	
BG576MS	Sediment	04/26/2021	1.0	11104-28-2	Aroclor-1221	100	U	U	100	ug/kg	6100-SED07A
BG576MS	Sediment	04/26/2021	1.0	11141-16-5	Aroclor-1232	100	U	U	100	ug/kg	6100-SED07A
BG576MS	Sediment	04/26/2021	1.0	53469-21-9	Aroclor-1242	100	U	U	100	ug/kg	6100-SED07A
BG576MS	Sediment	04/26/2021	1.0	12672-29-6	Aroclor-1248	230			100	ug/kg	6100-SED07A
BG576MS	Sediment	04/26/2021	1.0	11097-69-1	Aroclor-1254	110			100	ug/kg	6100-SED07A
BG576MS	Sediment	04/26/2021	1.0	37324-23-5	Aroclor-1262	100	U	U	100	ug/kg	6100-SED07A
BG576MS	Sediment	04/26/2021	1.0	11100-14-4	Aroclor-1268	100	U	U	100	ug/kg	6100-SED07A
BG576MS	Sediment	04/26/2021	1.0	12674-11-2	Aroclor-1016	340			100	ug/kg	6100-SED07A
BG576MS	Sediment	04/26/2021	1.0	11096-82-5	Aroclor-1260	280			100	ug/kg	6100-SED07A
BG576MSD	Sediment	04/26/2021	1.0	11104-28-2	Aroclor-1221	100	U	U	100	ug/kg	6100-SED07A
BG576MSD	Sediment	04/26/2021	1.0	11141-16-5	Aroclor-1232	100	U	U	100	ug/kg	6100-SED07A
BG576MSD	Sediment	04/26/2021	1.0	53469-21-9	Aroclor-1242	100	U	U	100	ug/kg	6100-SED07A
BG576MSD	Sediment	04/26/2021	1.0	12672-29-6	Aroclor-1248	220	P	J	100	ug/kg	6100-SED07A
BG576MSD	Sediment	04/26/2021	1.0	11097-69-1	Aroclor-1254	110			100	ug/kg	6100-SED07A
BG576MSD	Sediment	04/26/2021	1.0	37324-23-5	Aroclor-1262	100	U	U	100	ug/kg	6100-SED07A
BG576MSD	Sediment	04/26/2021	1.0	11100-14-4	Aroclor-1268	100	U	U	100	ug/kg	6100-SED07A
BG576MSD	Sediment	04/26/2021	1.0	12674-11-2	Aroclor-1016	340			100	ug/kg	6100-SED07A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG576MSD	Sediment	04/26/2021	1.0	11096-82-5	Aroclor-1260	290			100	ug/kg	6100-SED07A
ABLK051		04/29/2021	1.0	12674-11-2	Aroclor-1016	33	U	U	33	ug/kg	
ABLK051		04/29/2021	1.0	11104-28-2	Aroclor-1221	33	U	U	33	ug/kg	
ABLK051		04/29/2021	1.0	11141-16-5	Aroclor-1232	33	U	U	33	ug/kg	
ABLK051		04/29/2021	1.0	53469-21-9	Aroclor-1242	33	U	U	33	ug/kg	
ABLK051		04/29/2021	1.0	12672-29-6	Aroclor-1248	33	U	U	33	ug/kg	
ABLK051		04/29/2021	1.0	11097-69-1	Aroclor-1254	33	U	U	33	ug/kg	
ABLK051		04/29/2021	1.0	11096-82-5	Aroclor-1260	33	U	U	33	ug/kg	
ABLK051		04/29/2021	1.0	37324-23-5	Aroclor-1262	33	U	U	33	ug/kg	
ABLK051		04/29/2021	1.0	11100-14-4	Aroclor-1268	33	U	U	33	ug/kg	

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
LSASD/HWSB/HWSS
2890 Woodbridge Avenue, Edison, NJ 08837

EXECUTIVE NARRATIVE

Case No.: 49391
Site: Coney Island Creek
Number of Samples: 9 (Sediment)
Analysis: VOA, SVOA, PEST and ARO

SDG No.: BG516
Laboratory: Chemtech Consulting Group
Sampling dates: 04/27/2021
Validation SOP: HW-33A (Rev 1), HW-35A (Rev 1) HW-36A (Rev 1), HW-37A (Rev 0)

QAPP:
Contractor: Weston Solutions, Inc
Reference: DCN: SAT-V.6102.0022, April 1, 2021

SUMMARY OF DEFINITIONS:
Critical: Results have an unacceptable level of uncertainty and should not be used for making decisions. Data have been qualified "R" rejected.
Major: A level of uncertainty exists that may not meet the data quality objectives for the project. A bias is likely to be present in the results. Data has been qualified "J" estimated. "J+" and "J-" represent likely direction of the bias.
Minor: The level of uncertainty is acceptable. No significant bias in the data was observed.

Critical Findings:
None

Major Findings:
The following samples have analytes that have been qualified "J", "J+" or "J-".
VOA: BG5A6RE, BG5B2RE
SVOA: BG5A3, BG5A9
PEST: BG597, BG5A3, BG5A6, BG5A9, BG5B2, BG5B5
ARO: BG597, BG5B5

Minor Findings:
One or more analytes in one or more samples are qualified "J" due to results between MDL and CRQL.

COMMENTS:	Per request in ARF, Summary Reports were created using RSL-Industrial Soil as project action levels (PALS). **VOA and PEST**: One or more non-detected analyte results exceeded the PALs in one or more samples**. SVOA**: One or more non-detected and detected analyte results exceeded the PALs in one or more samples.

Reviewer Name(s): Israel Okwuonu, Archana Mirle and Jianwei Huang

Approver's Signature:

Date: 06/25/2021

Name: Russell Arnone

Affiliation: USEPA/R2/HWSB/HWSS

Data Qualifier Definitions (National Functional Guidelines)			
Qualifier Symbol	**Explanation**		
	INORGANICS	**ORGANICS**	**CHLORINATED DIOXIN/FURAN**
U	The analyte was analyzed for, but was not detected above the level of the reported quantitation limit.	The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted Contract Required Quantitation Limit (CRQL) for sample and method	The analyte was analyzed for but not detected. The value preceding the "U" may represent the adjusted Contract Required Quantitation Limit (see DLM02.X, Exhibit D, Section 1.2 and Table 2), or the sample specific estimated detection limit (EDL, see Method 8290A, Section 11.9.5).
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to an issue with the quality of the data generated because certain QC criteria were not met, or the concentration of the analyte was below the adjusted CRQL).
J+	The result is an estimated quantity, but the result may be biased high.	The result is an estimated quantity, but the result may be biased high.	
J–	The result is an estimated quantity, but the result may be biased low.	The result is an estimated quantity, but the result may be biased low.	
UJ	The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.	The analyte was not detected at a level greater than or equal to the adjusted CRQL. However, the reported adjusted CRQL is approximate and may be inaccurate or imprecise.	The analyte was not detected (see definition of "U" flag, above). The reported value should be considered approximate.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
N		The analysis indicates the presence of an analyte for which there is presumptive evidence to make a “tentative identification”.	
NJ		The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	
C		This qualifier applies to pesticide and Aroclor results when the identification has been confirmed by Gas Chromatograph/Mass Spectrometer (GC/MS).	
X		This qualifier applies to pesticide and Aroclor results when GC/MS analysis was attempted but was unsuccessful.	

DATA ASSESSMENT

ANALYSIS: VOA

The current SOP HW-33A (Rev 1) September 2016, USEPA Region II for the evaluation of Volatile organic data, and all related Change Request Forms (CRF) for this SOP, generated through Statement of Work SFAM01.1, and any future editorial revisions of SFAM01.1 has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report. Tentatively Identified Compounds (TICs) for VOA organic fraction is not validated.

1. HOLDING TIME AND PRESERVATION:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". The non-detects (sample quantitation limits) will be flagged as estimated, "J", or unusable, "R", if the holding times are grossly exceeded. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. DEUTERATED MONITORING COMPOUNDS (DMC's):

All samples are spiked with DMC compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured DMC recovery limits were outside Table 6 of the SOP HW-33A (Rev 1) qualifications were applied as per Table 7 SOP HW-33A (Rev 1) to all the samples and analytes as shown below.

The following samples have DMC percent recoveries greater than the primary maximum criteria Detects are qualified as estimated J+. Non-detects are not qualified.

Benzene-d6 BG5A6, BG5B2RE

1,2-Dichloropropane-d6 BG5A6RE, BG5A6, BG5B2RE, BG5B2
Cyclohexane, Methylcyclohexane, 1,2-Dichloropropane, Bromodichloromethane, 1,2,3-Trichloropropane

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD):

MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

Not applicable.

4. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, trip, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the amount of contamination present in the QA blanks, the analytes are qualified as per Table 5 of SOP HW-33A (Rev 1).

A) Method blank contamination:

The following samples have analyte results reported less than CRQLs. The associated method blank results are less than CRQLs. Detects are qualified U. Sample results have been reported at CRQLs.

Toluene BG516, BG597, BG5A0, BG5A1, BG5A3, BG5A6RE, BG5A9, BG5B2RE, BG5B5

B) Field or rinse blank contamination: BG593, BG599 (SDG BG595)

The following sample has analyte result reported greater than the CRQL but less than 2x the blank result. The associated rinse blank results are greater than the CRQLs. Sample result has been reported with a U.

Acetone BG5A1

C) Trip blank contamination:

Not applicable.

D) Storage Blank associated with VOA samples only:

The following samples have analyte results reported greater than the CRQL but less than 2x the blank result. The associated storage blank results are greater than the CRQLs. Sample results have been reported with a U.

Methylene chloride BG597, BG5A1, BG5A3, BG5A9

The following samples have analyte results reported less than 2x the CRQL. The associated storage blank results are less than 2x the CRQLs. Sample results have been reported at CRQL.

Methylene chloride BG516, BG5A6, BG5A6RE, BG5B2RE

E) Tentatively Identified Compounds:

Tentatively Identified Compounds (TICs) for VOA organic fractions are not validated.

5. MASS SPECTROMETER TUNING:

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for volatile organics is (BFB) Bromofluorobenzene. If the mass calibration

is in error, all associated data will be classified as unusable "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:

The response factor measures the instrument's response to specific chemical compounds. All analytes for initial calibration, ICV and continuing calibration should meet the minimum RRF criteria as listed in Table 2 of SOP HW-33A (Rev 1). If RRF is less than minimum RRF specified in Table 2 for all target analytes, use professional judgment and all detects in the sample will be qualified as "J+" or "R". All non-detects for that compound will be rejected "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration.

Percent RSD must be less than maximum %RSD in Table 2 of SOP HW-33A (Rev 1) for all target analytes. For the Initial Calibration Verification ICV/opening or closing CCV %D must be within the inclusive opening or closing maximum %D limits as listed in Table 2 of SOP HW-33A (Rev 1) for all Target compounds. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and Non-detects are flagged "UJ" for %D values outside criteria only. If %RSD exceeds QC criteria, detects may be qualified as "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

The following analytes in the sample shown were qualified for %RSD and %D:

The following samples are associated with an opening or closing CCV with % Difference exceeding criteria. Detects are qualified as estimated J. Non-detects are qualified as estimated UJ.

Tetrachloroethene BG5A6, BG5B2, BG5B5

7. INTERNAL STANDARDS PERFORMANCE GC/MS:

Internal standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must be in the range as specified in Table 9 of SOP HW-33A (Rev 1) of the associated continuing calibration internal standard area. The retention time of the internal standards must be within the range as specified in Table 9 of SOP HW-33A (Rev 1). If the area count is greater than, all positive results quantitated using that IS are qualified as estimated "J-", and non-detects are not qualified. If the area count is less than the associated standard, all positive results for compounds quantitated with that IS are qualified as estimated "J+" and all non-detects are qualified "R".

If an internal standard retention time were not met as specified in Table 9 of SOP HW-33A (Rev 1), the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample fraction. Qualifications were applied to the samples and analytes as shown below.

The following samples have internal standard area response greater than or equal to expanded minimum criteria and less than primary minimum criteria. Detects are qualified as estimated J+. Non-detects are qualified as estimated UJ.

1,4-Dichlorobenzene-d4 BG5A6, BG5A6RE, BG5B2, BG5B2RE
Bromoform, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2-Dichlorobenzene, 1,2-Dibromo-3-chloropropane, 1,2,4-Trichlorobenzene, 1,2,3-Trichlorobenzene, Isopropylbenzene, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene

8. FIELD DUPLICATES: BG5A0/BG516

No problems were found for this criterion.

9. COMPOUND IDENTIFICATION:

Target compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within a window of 0.06 RRT units of the standard compound and have ion spectra which has a ratio of the primary and secondary m/z intensities within 20% of that in the standard compound. For the tentatively identified compounds (TIC) the ion spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

10. CONTRACT PROBLEMS NON-COMPLIANCE:

None

11. FIELD DOCUMENTATION:

No problems were identified.

12. OTHER PROBLEMS:

None

13. DILUTIONS, RE-EXTRACTIONS & REANALYSIS:

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are used. See summary report and EDD for applicable samples and analytes.

The following dilution (medium level) sample analyses were not used.
BG5A6ME, BG5B2ME

The following initial sample analyses were not used.
BG5A6, BG5B2

ANALYSIS: SVOA

The current SOP HW-35A (Rev 1) September 2016, USEPA Region II for the evaluation of Semi-Volatile organic data, and all related Change Request Forms (CRF) for this SOP, generated through Statement of Work SFAM01.1, and any future editorial revisions of SFAM01.1 has been applied. Data has been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report. Tentatively Identified Compounds (TICs) for BNA organic fraction is not validated.

1. HOLDING TIME AND PRESERVATION:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded, qualifications will be applied as per SOP HW-35A (Rev 1).

No problems were found for this criterion.

2. DEUTERATED MONITORING COMPOUNDS (DMCs):

All samples are spiked with DMC compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured DMC recovery limits were outside Table 6 of SOP HW-35A (Rev 1), qualifications were applied as per Table 7 of SOP HW-35A (Rev 1) to all the samples and analytes as shown below.

The following undiluted sample analyses have DMC percent recoveries less than the primary minimum criteria but greater than or equal to the expanded minimum criteria. Detects are qualified as estimated J-. Non-detects are qualified as estimated UJ.

4-Nitrophenol-d4 BG5A3, BG5A9
2-Nitroaniline, 3-Nitroaniline, 2,4-Dinitrophenol, 4-Nitrophenol, 4-Nitroaniline

4,6-Dinitro-2-methylphenol-d2 BG5A9
4,6-Dinitro-2-methylphenol

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATES (MS/MSD):

MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

Not applicable.

4. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, trip, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the amount of contamination present in the QA blanks, the analytes are qualified as per Table 5 of SOP HW-35A (Rev 1).

A) Method blank contamination:

No problems were found for this criterion.

B) Field or rinse blank contamination: BG593, BG599 (SDG BG595)

The following samples have analyte results reported less than the CRQLs. The associated rinse blank results are less than the CRQLs. Detects are qualified U. Sample results have been reported at CRQLs.

Dimethylphthalate BG516, BG597, BG5A1, BG5A6, BG5B2, BG5B5

C) Tentatively Identified Compounds:

Tentatively Identified Compounds (TICs) for BNA organic fraction are not validated.

5. MASS SPECTROMETER TUNING:

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for Semi-volatiles is Decafluorotriphenyl-phosphine (DFTPP). If the mass calibration is in error, all associated data will be classified as unusable "R".

No problems were found for this criterion.

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:

The response factor measures the instrument's response to specific chemical compounds. All analytes for initial calibration, ICV and continuing calibration should meet the minimum RRF criteria as listed in Table 2 of SOP HW-35A (Rev 1). If RRF is less than minimum RRF as specified in Table 2 for all target analytes, use professional judgment and all detects in the sample will be qualified as "J+" or "R". All non-detects for that compound will be rejected "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration. Percent D is a measure of the instrument's daily performance.

Percent RSD must be less than maximum %RSD in Table 2 of SOP HW-35A (Rev 1) for all target analytes. For the ICV/opening or closing CCV %D must be within the inclusive opening or closing maximum %D limits as listed in Table 2 of SOP HW-35A (Rev 1) for all Target compounds. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and Non-detects are flagged "UJ" for %D values outside criteria only. If %RSD exceeds QC criteria, detects may be qualified as "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

The following analytes in the sample shown were qualified for %RSD and %D:

The following samples are associated with an initial calibration percent relative standard deviation (%RSD) outside criteria. Detects are qualified as estimated J. Non-detects are not qualified.

Nitrobenzene, **2-Nitroaniline** BG516, BG597, BG5A0, BG5A1, BG5A3, BG5A6, BG5A9, BG5B2, BG5B5

7. INTERNAL STANDARDS PERFORMANCE GC/MS:

Internal standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must be in the range as specified in Table 10 of SOP HW-35A (Rev 1) of the associated continuing calibration internal standard area. The retention time of the internal standards must be within the range as specified in Table 10 of SOP HW-35A (Rev 1). If the area count is greater than, all positive results quantitated using that IS are qualified as estimated "J-", and non-detects are not qualified. If the area count is less than the associated standard, all positive results for compounds quantitated with that IS are qualified as estimated "J+" and all non-detects are qualified "R".

If an internal standard retention time were not met as specified in Table 10 of SOP HW-35A (Rev 1), the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample fraction. Qualifications were applied to the samples

and analytes as shown below. Qualifications were applied to the samples and analytes as shown below.
No problems were found for this criterion.

8. FIELD DUPLICATES: BG5A0/BG516

No problems were found for this criterion.

9. COMPOUND IDENTIFICATION:

TCL compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within 0.06 RRT units of the standard compound and have ion spectra which have a ratio of the primary and secondary m/e intensities within 20% of that in the standard compound. For the tentatively identified compounds (TIC) the ion spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

10. CONTRACT PROBLEMS NON-COMPLIANCE:

Initial calibration percent relative standard deviation (%RSD) is outside criteria for Nitrobenzene and 2-Nitroaniline.

11. FIELD DOCUMENTATION:

No problems were identified.

12. OTHER PROBLEMS:

None

13. DILUTIONS, RE-EXTRACTIONS and REANALYSIS:

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are used. See summary report and EDD for applicable samples and analytes.

ANALYSIS: PEST

The current SOP HW-36A (Rev 1) October 2016, USEPA Region II for the evaluation of Pesticides data, and all related Change Request Forms (CRF) for this SOP, generated through Statement of Work SFAM01.1, and any future editorial revisions of SFAM01.1 has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report.

1. HOLDING TIME AND PRESERVATION:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". Use professional judgment to qualify the non-detects (sample quantitation limits), if the holding times are grossly exceeded. If the holding times are grossly exceeded. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. SURROGATES:

All samples are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured surrogate recovery were outside Table 7 of the SOP HW-36A (Rev 1), qualifications were applied to the samples and analytes as shown below.

The following samples have surrogate percent recoveries greater than the expanded maximum criteria Detects are qualified as estimated J+. Non-detects are not qualified.

Tetrachloro-m-xylene BG5A9, BG5B2

alpha-BHC, beta-BHC, delta-BHC, gamma-BHC (Lindane), Heptachlor, Aldrin, Heptachlor epoxide, Endosulfan I, Dieldrin, 4,4'-DDE, Endrin, Endosulfan II, 4,4'-DDD, Endosulfan sulfate, 4,4'-DDT, Methoxychlor, Endrin ketone, Endrin aldehyde, cis-Chlordane, trans-Chlordane, Toxaphene

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD):

MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

4. LABORATORY CONTROL RECOVERY (LCS):

LCS data is generated to determine the long-term precision and accuracy of the analytical method. The LCS may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

5. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure cross-contamination of samples during field operations. Depending

on the concentration of the analyte in the blank, the analytes are qualified as non-detects, "U". Qualifications were applied to the samples and analytes as shown below.

A) Method/Instrument blank contamination:

No problems were found for this criterion.

B) Field or rinse blank contamination: BG593/BG599 (SDG BG595)

No problems were found for this criterion.

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):

If %RSD exceeds 20% for all analytes except alpha-BHC and delta-BHC 25%, for the two surrogates and Toxaphene 30%, qualify all associated positive results "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) The Percent Difference (%D) for each of the SCP in the PEM used for CCV must be within ±25.0%. The Percent Difference (%D) for target analyte in the Calibration Verification Standard (CS3) used for CCV must be within ±25.0%. If the %D is not within limits, associated detected compounds are qualified "J" and associated non-detected compounds are qualified "UJ". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

7. FIELD DUPLICATES: BG516/BG5A0

No problems were found for this criterion.

8. COMPOUND IDENTIFICATION:

The retention times of reported compounds must fall within the calculated retention time windows for the two chromatographic columns and a GC/MS confirmation is required if the concentration exceeds 10ng/ml in the final sample extract. Qualifications were applied to the samples and analytes as shown below.

Percent Differences	**Qualifier**
0% - 25%	No qualification
26% - 200%	J
>200% (interference detected)	NJ
>200% (interference not detected)	NJ

The following sample was qualified for % difference on the two columns.

delta-BHC	BG597, BG5B2
Heptachlor epoxide	BG597
Dieldrin	BG597, BG5A3, BG5A6, BG5B2, BG5B5
4,4'-DDE	BG597, BG5A3, BG5A6, BG5B2, BG5B5
Endosulfan II	BG5A9
4,4'-DDD	BG597, BG5A3, BG5A6, BG5A9, BG5B2, BG5B5
4,4'-DDT	BG597, BG5A6, BG5B5
cis-Chlordane	BG597, BG5A3, BG5A6, BG5A9, BG5B2, BG5B5
trans-Chlordane	BG597, BG5A3, BG5A6, BG5A9, BG5B2, BG5B5

9. CONTRACT PROBLEMS NON-COMPLIANCE:

None.

10. FIELD DOCUMENTATION:

No problems were identified.

11. OTHER PROBLEMS:

Trip report has sample BG5A1 identified as BGSA1. After confirming with COC the correct sample ID is BG5A1 and it has been wrongly identified in trip report as BGSA1.

12. DILUTIONS, RE-EXTRACTIONS & REANALYSIS:

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are used. See summary report and EDD for applicable samples and analytes.

ANALYSIS: ARO

The current SOP HW-37A (Rev 0) June 2015, USEPA Region II for the evaluation of ARO data, and all related Change Request Forms (CRF) for this SOP, generated through Statement of Work SFAM01.1, and any future editorial revisions of SFAM01.1 has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report.

1. HOLDING TIME AND PRESERVATION:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". Use professional judgment to qualify the non-detects (sample quantitation limits), if the holding times are grossly exceeded. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. SURROGATES:

All samples are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured surrogate recovery were outside Table 5 of the SOP HW-37A (Rev 0), qualifications were applied to the samples and analytes as shown below.

The following sample has surrogate percent recoveries less than the primary lower limit but greater than or equal to the expanded lower limit of the criteria window. Detected compounds are qualified J-. Non-detected compounds are qualified UJ.

Decachlorobiphenyl BG5B5
Aroclor-1016, Aroclor-1221, Aroclor-1232, Aroclor-1242, Aroclor-1248, Aroclor-1254, Aroclor-1260, Aroclor-1262, Aroclor-1268

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD):

MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

4. Laboratory Control Samples (LCS):

LCS data provides information on the accuracy of the analytical method and laboratory performance. If LCS recoveries fell outside of the acceptable limits, qualifications were applied to the associated samples and compounds as shown below.

No problems were found for this criterion.

5. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the concentration of the analyte in the blank, the analytes are qualified as non-detects U. Qualifications were applied to the samples and analytes as shown below.

A) Method/Instrument blank contamination:

No problems were found for this criterion.

B) Field or rinse blank contamination: BG593, BG595 (SDG BG595)

No problems were found for this criterion.

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration

demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Percent Relative Standard Deviation (%RSD):

If %RSD exceeds 20% for all analytes and the two surrogates, qualify all associated positive results "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) Percent Difference (%D):

For opening CCV, or closing CCV that is used as an opening CCV for the next 12-hour period, if %D exceeds 25% for analytes and 30% for the two surrogates, qualify all associated positive results "J" and non-detects "UJ".

For closing CCV, if %D exceeds 50% for all analytes and the two surrogates, qualify all associated positive results "J" and non-detects "UJ". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

7. FIELD DUPLICATES: BG516/BG5A0

No problems were found for this criterion.

8. COMPOUND IDENTIFICATION:

The retention times of reported compounds must fall within the calculated retention time windows for the two chromatographic columns and a GC/MS confirmation is required if the concentration exceeds 10ng/ml in the final sample extract. Qualifications were applied to the samples and analytes as shown below.

Percent Differences	Qualifier
0% - 25%	No qualification
26% - 200%	J
>200% (interference detected)	NJ
>200% (interference not detected)	NJ

The following sample was qualified for % difference on the two columns.

Aroclor-1260 BG597

9. CONTRACT PROBLEMS NON-COMPLIANCE:

None.

10. FIELD DOCUMENTATION:

No problems were identified.

11. OTHER PROBLEMS:

None

12. DILUTIONS, RE-EXTRACTIONS & RE-ANALYSIS:

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are used. See summary report and EDD for applicable samples and analytes.

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Sample Number: ABLK107	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1221	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1232	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1242	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1248	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1254	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1260	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1262	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1268	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Sample Number: ALCS107	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Spike	30	J	ug/kg	30	J	1.0	YES	S3VEM
Aroclor-1221	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1232	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1242	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1248	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1254	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1260	Spike	29	J	ug/kg	29	J	1.0	YES	S3VEM
Aroclor-1262	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1268	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED27A

Sample Number: BG516	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: SED15	pH:	Sample Date: 04/27/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 35.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	94	U	ug/kg	94	U	1.0	YES	S3VEM
Aroclor-1221	Target	94	U	ug/kg	94	U	1.0	YES	S3VEM
Aroclor-1232	Target	94	U	ug/kg	94	U	1.0	YES	S3VEM
Aroclor-1242	Target	94	U	ug/kg	94	U	1.0	YES	S3VEM
Aroclor-1248	Target	94	U	ug/kg	94	U	1.0	YES	S3VEM
Aroclor-1254	Target	94	U	ug/kg	94	U	1.0	YES	S3VEM
Aroclor-1260	Target	94	U	ug/kg	94	U	1.0	YES	S3VEM
Aroclor-1262	Target	94	U	ug/kg	94	U	1.0	YES	S3VEM
Aroclor-1268	Target	94	U	ug/kg	94	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED27A

Sample Number: BG516	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: SED15	pH:	Sample Date: 04/27/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 35.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	4.8	U	ug/kg	4.8	U	1.0	YES	S3VEM
beta-BHC	Target	4.8	U	ug/kg	4.8	U	1.0	YES	S3VEM
delta-BHC	Target	4.8	U	ug/kg	4.8	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	4.8	U	ug/kg	4.8	U	1.0	YES	S3VEM
Heptachlor	Target	4.8	U	ug/kg	4.8	U	1.0	YES	S3VEM
Aldrin	Target	4.8	U	ug/kg	4.8	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	4.8	U	ug/kg	4.8	U	1.0	YES	S3VEM
Endosulfan I	Target	4.8	U	ug/kg	4.8	U	1.0	YES	S3VEM
Dieldrin	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
4,4'-DDE	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
Endrin	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
Endosulfan II	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
4,4'-DDD	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
4,4'-DDT	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
Methoxychlor	Target	48	U	ug/kg	48	U	1.0	YES	S3VEM
Endrin ketone	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	9.4	U	ug/kg	9.4	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.36	J	ug/kg	0.36	J	1.0	YES	S3VEM
trans-Chlordane	Target	4.8	U	ug/kg	4.8	U	1.0	YES	S3VEM
Toxaphene	Target	480	U	ug/kg	480	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED27A

Sample Number: BG516	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SED15	pH:	Sample Date: 04/27/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 35.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	190	U	ug/kg	190	U	1.0	YES	S3VEM
Benzaldehyde	Target	940	U	ug/kg	940	U	1.0	YES	S3VEM
Phenol	Target	940	U	ug/kg	940	U	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	940	U	ug/kg	940	U	1.0	YES	S3VEM
2-Chlorophenol	Target	480	U	ug/kg	480	U	1.0	YES	S3VEM
2-Methylphenol	Target	940	U	ug/kg	940	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	940	U	ug/kg	940	U	1.0	YES	S3VEM
Acetophenone	Target	940	U	ug/kg	940	U	1.0	YES	S3VEM
4-Methylphenol	Target	940	U	ug/kg	940	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	480	U	ug/kg	480	U	1.0	YES	S3VEM
Hexachloroethane	Target	480	U	ug/kg	480	U	1.0	YES	S3VEM
Nitrobenzene	Target	480	U	ug/kg	480	U	1.0	YES	S3VEM
Isophorone	Target	480	U	ug/kg	480	U	1.0	YES	S3VEM
2-Nitrophenol	Target	480	U	ug/kg	480	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	480	U	ug/kg	480	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	480	U	ug/kg	480	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	480	U	ug/kg	480	U	1.0	YES	S3VEM
Naphthalene	Target	480	U	ug/kg	480	U	1.0	YES	S3VEM
4-Chloroaniline	Target	940	U	ug/kg	940	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	480	U	ug/kg	480	U	1.0	YES	S3VEM
Caprolactam	Target	940	U	ug/kg	940	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	480	U	ug/kg	480	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	480	U	ug/kg	480	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	480	U	ug/kg	480	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	940	U	ug/kg	940	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	480	U	ug/kg	480	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	480	U	ug/kg	480	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	480	U	ug/kg	480	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	480	U	ug/kg	480	U	1.0	YES	S3VEM
2-Nitroaniline	Target	480	U	ug/kg	480	U	1.0	YES	S3VEM
Dimethylphthalate	Target	480	U	ug/kg	98	J	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	480	U	ug/kg	480	U	1.0	YES	S3VEM
Acenaphthylene	Target	480	U	ug/kg	480	U	1.0	YES	S3VEM
3-Nitroaniline	Target	940	U	ug/kg	940	U	1.0	YES	S3VEM
Acenaphthene	Target	480	U	ug/kg	480	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	940	U	ug/kg	940	U	1.0	YES	S3VEM
4-Nitrophenol	Target	940	U	ug/kg	940	U	1.0	YES	S3VEM
Dibenzofuran	Target	480	U	ug/kg	480	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	480	U	ug/kg	480	U	1.0	YES	S3VEM
Diethylphthalate	Target	480	U	ug/kg	480	U	1.0	YES	S3VEM
Fluorene	Target	480	U	ug/kg	480	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	480	U	ug/kg	480	U	1.0	YES	S3VEM
4-Nitroaniline	Target	940	U	ug/kg	940	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	940	U	ug/kg	940	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	480	U	ug/kg	480	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	480	U	ug/kg	480	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	480	U	ug/kg	480	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	480	U	ug/kg	480	U	1.0	YES	S3VEM
Atrazine	Target	940	U	ug/kg	940	U	1.0	YES	S3VEM
Pentachlorophenol	Target	940	U	ug/kg	940	U	1.0	YES	S3VEM
Phenanthrene	Target	480	U	ug/kg	480	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED27A

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Anthracene	Target	480	U	ug/kg	480	U	1.0	YES	S3VEM
Carbazole	Target	940	U	ug/kg	940	U	1.0	YES	S3VEM
Di-n-butylphthalate	Target	480	U	ug/kg	480	U	1.0	YES	S3VEM
Fluoranthene	Target	480	U	ug/kg	480	U	1.0	YES	S3VEM
Pyrene	Target	480	U	ug/kg	480	U	1.0	YES	S3VEM
Butylbenzylphthalate	Target	480	U	ug/kg	480	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	940	U	ug/kg	940	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	480	U	ug/kg	480	U	1.0	YES	S3VEM
Chrysene	Target	480	U	ug/kg	480	U	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	480	U	ug/kg	480	U	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	940	U	ug/kg	940	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	480	U	ug/kg	480	U	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	480	U	ug/kg	480	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	480	U	ug/kg	480	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	480	U	ug/kg	480	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	480	U	ug/kg	480	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	480	U	ug/kg	480	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	480	U	ug/kg	480	U	1.0	YES	S3VEM
Total Alkanes	TIC	220	B	ug/kg	220	B	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED27A

Sample Number: BG516	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED15	pH:	Sample Date: 04/27/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 35.1	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
Chloromethane	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
Vinyl chloride	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
Bromomethane	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
Chloroethane	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
Acetone	Target	76		ug/kg	76		1.0	YES	S3VEM
Carbon disulfide	Target	23		ug/kg	23		1.0	YES	S3VEM
Methyl Acetate	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
Methylene chloride	Target	18	U	ug/kg	17	J	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
2-Butanone	Target	37	U	ug/kg	37	U	1.0	YES	S3VEM
Bromochloromethane	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
Chloroform	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
Cyclohexane	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
Benzene	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
Trichloroethene	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
Methylcyclohexane	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
Bromodichloromethane	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	37	U	ug/kg	37	U	1.0	YES	S3VEM
Toluene	Target	18	U	ug/kg	3.1	JB	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
Tetrachloroethene	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
2-Hexanone	Target	37	U	ug/kg	37	U	1.0	YES	S3VEM
Dibromochloromethane	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
Chlorobenzene	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
Ethylbenzene	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
o-Xylene	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
m,p-Xylene	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
Styrene	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
Bromoform	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
Isopropylbenzene	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED27A

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	18	U	ug/kg	18	U	1.0	YES	S3VEM
Dimethyl sulfide	TIC	15	JN	ug/kg	15	JN	1.0	YES	NV
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED14A

Sample Number: BG597	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: SED14/SW14	pH:	Sample Date: 04/27/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 75.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	44	U	ug/kg	44	U	1.0	YES	S3VEM
Aroclor-1221	Target	44	U	ug/kg	44	U	1.0	YES	S3VEM
Aroclor-1232	Target	44	U	ug/kg	44	U	1.0	YES	S3VEM
Aroclor-1242	Target	44	U	ug/kg	44	U	1.0	YES	S3VEM
Aroclor-1248	Target	44	U	ug/kg	44	U	1.0	YES	S3VEM
Aroclor-1254	Target	44	U	ug/kg	44	U	1.0	YES	S3VEM
Aroclor-1260	Target	16	J	ug/kg	16	JP	1.0	YES	S3VEM
Aroclor-1262	Target	44	U	ug/kg	44	U	1.0	YES	S3VEM
Aroclor-1268	Target	44	U	ug/kg	44	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED14A

Sample Number: BG597	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: SED14/SW14	pH:	Sample Date: 04/27/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 75.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	2.3	U	ug/kg	2.3	U	1.0	YES	S3VEM
beta-BHC	Target	2.3	U	ug/kg	2.3	U	1.0	YES	S3VEM
delta-BHC	Target	0.74	J	ug/kg	0.74	JP	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	2.3	U	ug/kg	2.3	U	1.0	YES	S3VEM
Heptachlor	Target	2.3	U	ug/kg	2.3	U	1.0	YES	S3VEM
Aldrin	Target	2.3	U	ug/kg	2.3	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.65	J	ug/kg	0.65	JP	1.0	YES	S3VEM
Endosulfan I	Target	2.3	U	ug/kg	2.3	U	1.0	YES	S3VEM
Dieldrin	Target	2.7	J	ug/kg	2.7	JP	1.0	YES	S3VEM
4,4'-DDE	Target	0.33	NJ	ug/kg	0.33	JP	1.0	YES	S3VEM
Endrin	Target	4.4	U	ug/kg	4.4	U	1.0	YES	S3VEM
Endosulfan II	Target	4.4	U	ug/kg	4.4	U	1.0	YES	S3VEM
4,4'-DDD	Target	2.9	J	ug/kg	2.9	JP	1.0	YES	S3VEM
Endosulfan Sulfate	Target	4.4	U	ug/kg	4.4	U	1.0	YES	S3VEM
4,4'-DDT	Target	1.4	J	ug/kg	1.4	JP	1.0	YES	S3VEM
Methoxychlor	Target	23	U	ug/kg	23	U	1.0	YES	S3VEM
Endrin ketone	Target	4.4	U	ug/kg	4.4	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	4.4	U	ug/kg	4.4	U	1.0	YES	S3VEM
cis-Chlordane	Target	9.2	J	ug/kg	9.2	P	1.0	YES	S3VEM
trans-Chlordane	Target	9.3	J	ug/kg	9.3	P	1.0	YES	S3VEM
Toxaphene	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED14A

Sample Number: BG597	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SED14/SW14	pH:	Sample Date: 04/27/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 75.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	89	U	ug/kg	89	U	1.0	YES	S3VEM
Benzaldehyde	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
Phenol	Target	54	J	ug/kg	54	J	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
2-Chlorophenol	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
2-Methylphenol	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
Acetophenone	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
4-Methylphenol	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Hexachloroethane	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Nitrobenzene	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Isophorone	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
2-Nitrophenol	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Naphthalene	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
4-Chloroaniline	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Caprolactam	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
2-Nitroaniline	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Dimethylphthalate	Target	230	U	ug/kg	87	J	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Acenaphthylene	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
3-Nitroaniline	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
Acenaphthene	Target	93	J	ug/kg	93	J	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
4-Nitrophenol	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
Dibenzofuran	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Diethylphthalate	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Fluorene	Target	66	J	ug/kg	66	J	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
4-Nitroaniline	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Atrazine	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
Pentachlorophenol	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
Phenanthrene	Target	810		ug/kg	810		1.0	YES	S3VEM
Anthracene	Target	170	J	ug/kg	170	J	1.0	YES	S3VEM
Carbazole	Target	68	J	ug/kg	68	J	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED14A

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Fluoranthene	Target	1300		ug/kg	1300		1.0	YES	S3VEM
Pyrene	Target	1100		ug/kg	1100		1.0	YES	S3VEM
Butylbenzylphthalate	Target	53	J	ug/kg	53	J	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	540		ug/kg	540		1.0	YES	S3VEM
Chrysene	Target	550		ug/kg	550		1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	67	J	ug/kg	67	J	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	440	U	ug/kg	440	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	690		ug/kg	690		1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	190	J	ug/kg	190	J	1.0	YES	S3VEM
Benzo(a)pyrene	Target	530		ug/kg	530		1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	290		ug/kg	290		1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	90	J	ug/kg	90	J	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	300		ug/kg	300		1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM
Methacrylamide	TIC	110	JN	ug/kg	110	JN	1.0	YES	NV
4H-Cyclopenta[def]phenanthrene	TIC	180	JN	ug/kg	180	JN	1.0	YES	NV
1-Heneicosyl formate	TIC	360	JN	ug/kg	360	JN	1.0	YES	NV
unknown-02	TIC	97	J	ug/kg	97	J	1.0	YES	NV
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV
n-Hexadecanoic acid	TIC	280	JN	ug/kg	280	JN	1.0	YES	NV
Benzo[e]pyrene	TIC	320	JN	ug/kg	320	JN	1.0	YES	NV
unknown-01	TIC	110	J	ug/kg	110	J	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED14A

Sample Number: BG597	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED14/SW14	pH:	Sample Date: 04/27/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 75.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
Chloromethane	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
Vinyl chloride	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
Bromomethane	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
Chloroethane	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
Acetone	Target	37		ug/kg	37		1.0	YES	S3VEM
Carbon disulfide	Target	2.2	J	ug/kg	2.2	J	1.0	YES	S3VEM
Methyl Acetate	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
Methylene chloride	Target	6.9	U	ug/kg	6.9		1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
2-Butanone	Target	9.3	J	ug/kg	9.3	J	1.0	YES	S3VEM
Bromochloromethane	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
Chloroform	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
Cyclohexane	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
Benzene	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
Trichloroethene	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
Methylcyclohexane	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
Bromodichloromethane	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Toluene	Target	6.4	U	ug/kg	0.89	JB	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
Tetrachloroethene	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
2-Hexanone	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Dibromochloromethane	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
Chlorobenzene	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
Ethylbenzene	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
o-Xylene	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
m,p-Xylene	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
Styrene	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
Bromoform	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
Isopropylbenzene	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED14A

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	6.4	U	ug/kg	6.4	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Sample Number: BG597MS	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 04/27/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 75.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Spike	140		ug/kg	140		1.0	YES	S3VEM
Aroclor-1221	Target	44	U	ug/kg	44	U	1.0	YES	S3VEM
Aroclor-1232	Target	44	U	ug/kg	44	U	1.0	YES	S3VEM
Aroclor-1242	Target	44	U	ug/kg	44	U	1.0	YES	S3VEM
Aroclor-1248	Target	44	U	ug/kg	44	U	1.0	YES	S3VEM
Aroclor-1254	Target	44	U	ug/kg	44	U	1.0	YES	S3VEM
Aroclor-1260	Spike	150		ug/kg	150		1.0	YES	S3VEM
Aroclor-1262	Target	44	U	ug/kg	44	U	1.0	YES	S3VEM
Aroclor-1268	Target	44	U	ug/kg	44	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Sample Number: BG597MS	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 04/27/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 75.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Spike	13		ug/kg	13	*	1.0	YES	S3VEM
beta-BHC	Spike	11		ug/kg	11	*	1.0	YES	S3VEM
delta-BHC	Spike	5.8		ug/kg	5.8	*	1.0	YES	S3VEM
gamma-BHC (Lindane)	Spike	15		ug/kg	15		1.0	YES	S3VEM
Heptachlor	Spike	14		ug/kg	14		1.0	YES	S3VEM
Aldrin	Spike	13		ug/kg	13		1.0	YES	S3VEM
Heptachlor epoxide	Spike	13		ug/kg	13	*	1.0	YES	S3VEM
Endosulfan I	Spike	12		ug/kg	12	*	1.0	YES	S3VEM
Dieldrin	Spike	29		ug/kg	29		1.0	YES	S3VEM
4,4'-DDE	Spike	21		ug/kg	21	*	1.0	YES	S3VEM
Endrin	Spike	26		ug/kg	26		1.0	YES	S3VEM
Endosulfan II	Spike	27		ug/kg	27	*	1.0	YES	S3VEM
4,4'-DDD	Spike	26		ug/kg	26	*	1.0	YES	S3VEM
Endosulfan Sulfate	Spike	21		ug/kg	21	*	1.0	YES	S3VEM
4,4'-DDT	Spike	27		ug/kg	27		1.0	YES	S3VEM
Methoxychlor	Spike	120	J-	ug/kg	120	*	1.0	YES	S3VEM
Endrin ketone	Spike	24		ug/kg	24	*	1.0	YES	S3VEM
Endrin Aldehyde	Spike	24		ug/kg	24	*	1.0	YES	S3VEM
cis-Chlordane	Spike	19		ug/kg	19	*	1.0	YES	S3VEM
trans-Chlordane	Spike	22	J	ug/kg	22	P*	1.0	YES	S3VEM
Toxaphene	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Sample Number: BG597MSD	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 04/27/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 75.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Spike	140		ug/kg	140		1.0	YES	S3VEM
Aroclor-1221	Target	44	U	ug/kg	44	U	1.0	YES	S3VEM
Aroclor-1232	Target	44	U	ug/kg	44	U	1.0	YES	S3VEM
Aroclor-1242	Target	44	U	ug/kg	44	U	1.0	YES	S3VEM
Aroclor-1248	Target	44	U	ug/kg	44	U	1.0	YES	S3VEM
Aroclor-1254	Target	44	U	ug/kg	44	U	1.0	YES	S3VEM
Aroclor-1260	Spike	150		ug/kg	150		1.0	YES	S3VEM
Aroclor-1262	Target	44	U	ug/kg	44	U	1.0	YES	S3VEM
Aroclor-1268	Target	44	U	ug/kg	44	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Sample Number: BG597MSD	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 04/27/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 75.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Spike	12		ug/kg	12	*	1.0	YES	S3VEM
beta-BHC	Spike	9.9		ug/kg	9.9	*	1.0	YES	S3VEM
delta-BHC	Spike	5.4		ug/kg	5.4	*	1.0	YES	S3VEM
gamma-BHC (Lindane)	Spike	15		ug/kg	15		1.0	YES	S3VEM
Heptachlor	Spike	13		ug/kg	13		1.0	YES	S3VEM
Aldrin	Spike	12		ug/kg	12		1.0	YES	S3VEM
Heptachlor epoxide	Spike	12		ug/kg	12	*	1.0	YES	S3VEM
Endosulfan I	Spike	11		ug/kg	11	*	1.0	YES	S3VEM
Dieldrin	Spike	27		ug/kg	27		1.0	YES	S3VEM
4,4'-DDE	Spike	20		ug/kg	20	*	1.0	YES	S3VEM
Endrin	Spike	25		ug/kg	25		1.0	YES	S3VEM
Endosulfan II	Spike	26		ug/kg	26	*	1.0	YES	S3VEM
4,4'-DDD	Spike	24		ug/kg	24	*	1.0	YES	S3VEM
Endosulfan Sulfate	Spike	21		ug/kg	21	*	1.0	YES	S3VEM
4,4'-DDT	Spike	25		ug/kg	25		1.0	YES	S3VEM
Methoxychlor	Spike	120	J-	ug/kg	120	*	1.0	YES	S3VEM
Endrin ketone	Spike	23		ug/kg	23	*	1.0	YES	S3VEM
Endrin Aldehyde	Spike	23		ug/kg	23	*	1.0	YES	S3VEM
cis-Chlordane	Spike	18		ug/kg	18	*	1.0	YES	S3VEM
trans-Chlordane	Spike	19	J	ug/kg	19	P*	1.0	YES	S3VEM
Toxaphene	Target	230	U	ug/kg	230	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED15A

Sample Number: BG5A0	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: SED15	pH:	Sample Date: 04/27/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 42	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	78	U	ug/kg	78	U	1.0	YES	S3VEM
Aroclor-1221	Target	78	U	ug/kg	78	U	1.0	YES	S3VEM
Aroclor-1232	Target	78	U	ug/kg	78	U	1.0	YES	S3VEM
Aroclor-1242	Target	78	U	ug/kg	78	U	1.0	YES	S3VEM
Aroclor-1248	Target	78	U	ug/kg	78	U	1.0	YES	S3VEM
Aroclor-1254	Target	78	U	ug/kg	78	U	1.0	YES	S3VEM
Aroclor-1260	Target	78	U	ug/kg	78	U	1.0	YES	S3VEM
Aroclor-1262	Target	78	U	ug/kg	78	U	1.0	YES	S3VEM
Aroclor-1268	Target	78	U	ug/kg	78	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED15A

Sample Number: BG5A0	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: SED15	pH:	Sample Date: 04/27/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 42	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S3VEM
beta-BHC	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S3VEM
delta-BHC	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S3VEM
Heptachlor	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S3VEM
Aldrin	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S3VEM
Endosulfan I	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S3VEM
Dieldrin	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S3VEM
4,4'-DDE	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S3VEM
Endrin	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S3VEM
Endosulfan II	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S3VEM
4,4'-DDD	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S3VEM
4,4'-DDT	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S3VEM
Methoxychlor	Target	41	U	ug/kg	41	U	1.0	YES	S3VEM
Endrin ketone	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	7.9	U	ug/kg	7.9	U	1.0	YES	S3VEM
cis-Chlordane	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S3VEM
trans-Chlordane	Target	4.0	U	ug/kg	4.0	U	1.0	YES	S3VEM
Toxaphene	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED15A

Sample Number: BG5A0	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SED15	pH:	Sample Date: 04/27/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 42	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	160	U	ug/kg	160	U	1.0	YES	S3VEM
Benzaldehyde	Target	780	U	ug/kg	780	U	1.0	YES	S3VEM
Phenol	Target	780	U	ug/kg	780	U	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	780	U	ug/kg	780	U	1.0	YES	S3VEM
2-Chlorophenol	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
2-Methylphenol	Target	780	U	ug/kg	780	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	780	U	ug/kg	780	U	1.0	YES	S3VEM
Acetophenone	Target	780	U	ug/kg	780	U	1.0	YES	S3VEM
4-Methylphenol	Target	780	U	ug/kg	780	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Hexachloroethane	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Nitrobenzene	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Isophorone	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
2-Nitrophenol	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Naphthalene	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
4-Chloroaniline	Target	780	U	ug/kg	780	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Caprolactam	Target	780	U	ug/kg	780	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	780	U	ug/kg	780	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
2-Nitroaniline	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Dimethylphthalate	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Acenaphthylene	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
3-Nitroaniline	Target	780	U	ug/kg	780	U	1.0	YES	S3VEM
Acenaphthene	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	780	U	ug/kg	780	U	1.0	YES	S3VEM
4-Nitrophenol	Target	780	U	ug/kg	780	U	1.0	YES	S3VEM
Dibenzofuran	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Diethylphthalate	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Fluorene	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
4-Nitroaniline	Target	780	U	ug/kg	780	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	780	U	ug/kg	780	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Atrazine	Target	780	U	ug/kg	780	U	1.0	YES	S3VEM
Pentachlorophenol	Target	780	U	ug/kg	780	U	1.0	YES	S3VEM
Phenanthrene	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED15A

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Anthracene	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Carbazole	Target	780	U	ug/kg	780	U	1.0	YES	S3VEM
Di-n-butylphthalate	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Fluoranthene	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Pyrene	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Butylbenzylphthalate	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	780	U	ug/kg	780	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Chrysene	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	780	U	ug/kg	780	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	400	U	ug/kg	400	U	1.0	YES	S3VEM
Total Alkanes	TIC	240	B	ug/kg	240	B	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED15A

Sample Number: BG5A0	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED15	pH:	Sample Date: 04/27/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 42	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
Chloromethane	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
Vinyl chloride	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
Bromomethane	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
Chloroethane	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
Acetone	Target	65		ug/kg	65		1.0	YES	S3VEM
Carbon disulfide	Target	14	J	ug/kg	14	J	1.0	YES	S3VEM
Methyl Acetate	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
Methylene chloride	Target	22		ug/kg	22		1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
2-Butanone	Target	45	U	ug/kg	45	U	1.0	YES	S3VEM
Bromochloromethane	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
Chloroform	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
Cyclohexane	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
Benzene	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
Trichloroethene	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
Methylcyclohexane	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
Bromodichloromethane	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	45	U	ug/kg	45	U	1.0	YES	S3VEM
Toluene	Target	22	U	ug/kg	3.4	JB	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
Tetrachloroethene	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
2-Hexanone	Target	45	U	ug/kg	45	U	1.0	YES	S3VEM
Dibromochloromethane	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
Chlorobenzene	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
Ethylbenzene	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
o-Xylene	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
m,p-Xylene	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
Styrene	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
Bromoform	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
Isopropylbenzene	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED15A

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	22	U	ug/kg	22	U	1.0	YES	S3VEM
Dimethyl sulfide	TIC	67	JN	ug/kg	67	JN	1.0	YES	NV
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED15B

Sample Number: BG5A1	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: SED15	pH:	Sample Date: 04/27/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 66.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	49	U	ug/kg	49	U	1.0	YES	S3VEM
Aroclor-1221	Target	49	U	ug/kg	49	U	1.0	YES	S3VEM
Aroclor-1232	Target	49	U	ug/kg	49	U	1.0	YES	S3VEM
Aroclor-1242	Target	49	U	ug/kg	49	U	1.0	YES	S3VEM
Aroclor-1248	Target	49	U	ug/kg	49	U	1.0	YES	S3VEM
Aroclor-1254	Target	49	U	ug/kg	49	U	1.0	YES	S3VEM
Aroclor-1260	Target	49	U	ug/kg	49	U	1.0	YES	S3VEM
Aroclor-1262	Target	49	U	ug/kg	49	U	1.0	YES	S3VEM
Aroclor-1268	Target	49	U	ug/kg	49	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED15B

Sample Number: BG5A1	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: SED15	pH:	Sample Date: 04/27/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 66.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	2.5	U	ug/kg	2.5	U	1.0	YES	S3VEM
beta-BHC	Target	2.5	U	ug/kg	2.5	U	1.0	YES	S3VEM
delta-BHC	Target	2.5	U	ug/kg	2.5	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	2.5	U	ug/kg	2.5	U	1.0	YES	S3VEM
Heptachlor	Target	2.5	U	ug/kg	2.5	U	1.0	YES	S3VEM
Aldrin	Target	2.5	U	ug/kg	2.5	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	2.5	U	ug/kg	2.5	U	1.0	YES	S3VEM
Endosulfan I	Target	2.5	U	ug/kg	2.5	U	1.0	YES	S3VEM
Dieldrin	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
4,4'-DDE	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
Endrin	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
Endosulfan II	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
4,4'-DDD	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
4,4'-DDT	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
Methoxychlor	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Endrin ketone	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	4.9	U	ug/kg	4.9	U	1.0	YES	S3VEM
cis-Chlordane	Target	2.5	U	ug/kg	2.5	U	1.0	YES	S3VEM
trans-Chlordane	Target	2.5	U	ug/kg	2.5	U	1.0	YES	S3VEM
Toxaphene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED15B

Sample Number: BG5A1	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SED15	pH:	Sample Date: 04/27/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 66.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	100	U	ug/kg	100	U	1.0	YES	S3VEM
Benzaldehyde	Target	490	U	ug/kg	490	U	1.0	YES	S3VEM
Phenol	Target	94	J	ug/kg	94	J	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	490	U	ug/kg	490	U	1.0	YES	S3VEM
2-Chlorophenol	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
2-Methylphenol	Target	490	U	ug/kg	490	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	490	U	ug/kg	490	U	1.0	YES	S3VEM
Acetophenone	Target	490	U	ug/kg	490	U	1.0	YES	S3VEM
4-Methylphenol	Target	490	U	ug/kg	490	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Hexachloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Nitrobenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Isophorone	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
2-Nitrophenol	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Naphthalene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
4-Chloroaniline	Target	490	U	ug/kg	490	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Caprolactam	Target	490	U	ug/kg	490	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	490	U	ug/kg	490	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
2-Nitroaniline	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Dimethylphthalate	Target	250	U	ug/kg	91	J	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Acenaphthylene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
3-Nitroaniline	Target	490	U	ug/kg	490	U	1.0	YES	S3VEM
Acenaphthene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	490	U	ug/kg	490	U	1.0	YES	S3VEM
4-Nitrophenol	Target	490	U	ug/kg	490	U	1.0	YES	S3VEM
Dibenzofuran	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Diethylphthalate	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Fluorene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
4-Nitroaniline	Target	490	U	ug/kg	490	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	490	U	ug/kg	490	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Atrazine	Target	490	U	ug/kg	490	U	1.0	YES	S3VEM
Pentachlorophenol	Target	490	U	ug/kg	490	U	1.0	YES	S3VEM
Phenanthrene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED15B

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Anthracene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Carbazole	Target	490	U	ug/kg	490	U	1.0	YES	S3VEM
Di-n-butylphthalate	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Fluoranthene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Pyrene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Butylbenzylphthalate	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	490	U	ug/kg	490	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Chrysene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	490	U	ug/kg	490	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
n-Hexadecanoic acid	TIC	110	JN	ug/kg	110	JN	1.0	YES	NV
Total Alkanes	TIC	360	B	ug/kg	360	B	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED15B

Sample Number: BG5A1	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED15	pH:	Sample Date: 04/27/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 66.9	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
Chloromethane	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
Vinyl chloride	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
Bromomethane	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
Chloroethane	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
Acetone	Target	19	U	ug/kg	19		1.0	YES	S3VEM
Carbon disulfide	Target	16		ug/kg	16		1.0	YES	S3VEM
Methyl Acetate	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
Methylene chloride	Target	8.9	U	ug/kg	8.9		1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
2-Butanone	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
Bromochloromethane	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
Chloroform	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
Cyclohexane	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
Benzene	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
Trichloroethene	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
Methylcyclohexane	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
Bromodichloromethane	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
Toluene	Target	7.7	U	ug/kg	1.2	JB	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
Tetrachloroethene	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
2-Hexanone	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
Dibromochloromethane	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
Chlorobenzene	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
Ethylbenzene	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
o-Xylene	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
m,p-Xylene	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
Styrene	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
Bromoform	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
Isopropylbenzene	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED15B

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	7.7	U	ug/kg	7.7	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED16A

Sample Number: BG5A3	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: SED16	pH:	Sample Date: 04/27/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 63.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	52	U	ug/kg	52	U	1.0	YES	S3VEM
Aroclor-1221	Target	52	U	ug/kg	52	U	1.0	YES	S3VEM
Aroclor-1232	Target	52	U	ug/kg	52	U	1.0	YES	S3VEM
Aroclor-1242	Target	52	U	ug/kg	52	U	1.0	YES	S3VEM
Aroclor-1248	Target	52	U	ug/kg	52	U	1.0	YES	S3VEM
Aroclor-1254	Target	52	U	ug/kg	52	U	1.0	YES	S3VEM
Aroclor-1260	Target	52	U	ug/kg	52	U	1.0	YES	S3VEM
Aroclor-1262	Target	52	U	ug/kg	52	U	1.0	YES	S3VEM
Aroclor-1268	Target	52	U	ug/kg	52	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED16A

Sample Number: BG5A3	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: SED16	pH:	Sample Date: 04/27/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 63.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	2.7	U	ug/kg	2.7	U	1.0	YES	S3VEM
beta-BHC	Target	2.7	U	ug/kg	2.7	U	1.0	YES	S3VEM
delta-BHC	Target	2.7	U	ug/kg	2.7	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	2.7	U	ug/kg	2.7	U	1.0	YES	S3VEM
Heptachlor	Target	2.7	U	ug/kg	2.7	U	1.0	YES	S3VEM
Aldrin	Target	2.7	U	ug/kg	2.7	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	2.7	U	ug/kg	2.7	U	1.0	YES	S3VEM
Endosulfan I	Target	2.7	U	ug/kg	2.7	U	1.0	YES	S3VEM
Dieldrin	Target	0.29	NJ	ug/kg	0.29	JP	1.0	YES	S3VEM
4,4'-DDE	Target	0.16	NJ	ug/kg	0.16	JP	1.0	YES	S3VEM
Endrin	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
Endosulfan II	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.81	NJ	ug/kg	0.81	JP	1.0	YES	S3VEM
Endosulfan Sulfate	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
4,4'-DDT	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
Methoxychlor	Target	27	U	ug/kg	27	U	1.0	YES	S3VEM
Endrin ketone	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.64	J	ug/kg	0.64	JP	1.0	YES	S3VEM
trans-Chlordane	Target	0.41	J	ug/kg	0.41	JP	1.0	YES	S3VEM
Toxaphene	Target	270	U	ug/kg	270	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED16A

Sample Number: BG5A3	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SED16	pH:	Sample Date: 04/27/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 63.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	110	U	ug/kg	110	U	1.0	YES	S3VEM
Benzaldehyde	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
Phenol	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
2-Chlorophenol	Target	270	U	ug/kg	270	U	1.0	YES	S3VEM
2-Methylphenol	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
Acetophenone	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
4-Methylphenol	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	270	U	ug/kg	270	U	1.0	YES	S3VEM
Hexachloroethane	Target	270	U	ug/kg	270	U	1.0	YES	S3VEM
Nitrobenzene	Target	270	U	ug/kg	270	U	1.0	YES	S3VEM
Isophorone	Target	270	U	ug/kg	270	U	1.0	YES	S3VEM
2-Nitrophenol	Target	270	U	ug/kg	270	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	270	U	ug/kg	270	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	270	U	ug/kg	270	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	270	U	ug/kg	270	U	1.0	YES	S3VEM
Naphthalene	Target	270	U	ug/kg	270	U	1.0	YES	S3VEM
4-Chloroaniline	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	270	U	ug/kg	270	U	1.0	YES	S3VEM
Caprolactam	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	270	U	ug/kg	270	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	270	U	ug/kg	270	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	270	U	ug/kg	270	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	270	U	ug/kg	270	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	270	U	ug/kg	270	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	270	U	ug/kg	270	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	270	U	ug/kg	270	U	1.0	YES	S3VEM
2-Nitroaniline	Target	270	UJ	ug/kg	270	U	1.0	YES	S3VEM
Dimethylphthalate	Target	270	U	ug/kg	270	U	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	270	U	ug/kg	270	U	1.0	YES	S3VEM
Acenaphthylene	Target	270	U	ug/kg	270	U	1.0	YES	S3VEM
3-Nitroaniline	Target	520	UJ	ug/kg	520	U	1.0	YES	S3VEM
Acenaphthene	Target	270	U	ug/kg	270	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	520	UJ	ug/kg	520	U	1.0	YES	S3VEM
4-Nitrophenol	Target	520	UJ	ug/kg	520	U	1.0	YES	S3VEM
Dibenzofuran	Target	270	U	ug/kg	270	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	270	U	ug/kg	270	U	1.0	YES	S3VEM
Diethylphthalate	Target	270	U	ug/kg	270	U	1.0	YES	S3VEM
Fluorene	Target	270	U	ug/kg	270	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	270	U	ug/kg	270	U	1.0	YES	S3VEM
4-Nitroaniline	Target	520	UJ	ug/kg	520	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	270	U	ug/kg	270	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	270	U	ug/kg	270	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	270	U	ug/kg	270	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	270	U	ug/kg	270	U	1.0	YES	S3VEM
Atrazine	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
Pentachlorophenol	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
Phenanthrene	Target	92	J	ug/kg	92	J	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED16A

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Anthracene	Target	270	U	ug/kg	270	U	1.0	YES	S3VEM
Carbazole	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
Di-n-butylphthalate	Target	270	U	ug/kg	270	U	1.0	YES	S3VEM
Fluoranthene	Target	240	J	ug/kg	240	J	1.0	YES	S3VEM
Pyrene	Target	240	J	ug/kg	240	J	1.0	YES	S3VEM
Butylbenzylphthalate	Target	270	U	ug/kg	270	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	110	J	ug/kg	110	J	1.0	YES	S3VEM
Chrysene	Target	120	J	ug/kg	120	J	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	53	J	ug/kg	53	J	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	140	J	ug/kg	140	J	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	270	U	ug/kg	270	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	100	J	ug/kg	100	J	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	270	U	ug/kg	270	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	270	U	ug/kg	270	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	56	J	ug/kg	56	J	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	270	U	ug/kg	270	U	1.0	YES	S3VEM
Total Alkanes	TIC	390	B	ug/kg	390	B	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED16A

Sample Number: BG5A3	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED16	pH:	Sample Date: 04/27/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 63.5	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S3VEM
Chloromethane	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S3VEM
Vinyl chloride	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S3VEM
Bromomethane	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S3VEM
Chloroethane	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S3VEM
Acetone	Target	47		ug/kg	47		1.0	YES	S3VEM
Carbon disulfide	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S3VEM
Methyl Acetate	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S3VEM
Methylene chloride	Target	8.1	U	ug/kg	8.1		1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S3VEM
2-Butanone	Target	14	J	ug/kg	14	J	1.0	YES	S3VEM
Bromochloromethane	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S3VEM
Chloroform	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S3VEM
Cyclohexane	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S3VEM
Benzene	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S3VEM
Trichloroethene	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S3VEM
Methylcyclohexane	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S3VEM
Bromodichloromethane	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
Toluene	Target	7.5	U	ug/kg	1.1	JB	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S3VEM
Tetrachloroethene	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S3VEM
2-Hexanone	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
Dibromochloromethane	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S3VEM
Chlorobenzene	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S3VEM
Ethylbenzene	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S3VEM
o-Xylene	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S3VEM
m,p-Xylene	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S3VEM
Styrene	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S3VEM
Bromoform	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S3VEM
Isopropylbenzene	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED16A

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	7.5	U	ug/kg	7.5	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV
Dimethyl sulfide	TIC	4	JN	ug/kg	4	JN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED17A

Sample Number: BG5A6	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: SED17	pH:	Sample Date: 04/27/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 45.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	73	U	ug/kg	73	U	1.0	YES	S3VEM
Aroclor-1221	Target	73	U	ug/kg	73	U	1.0	YES	S3VEM
Aroclor-1232	Target	73	U	ug/kg	73	U	1.0	YES	S3VEM
Aroclor-1242	Target	73	U	ug/kg	73	U	1.0	YES	S3VEM
Aroclor-1248	Target	73	U	ug/kg	73	U	1.0	YES	S3VEM
Aroclor-1254	Target	73	U	ug/kg	73	U	1.0	YES	S3VEM
Aroclor-1260	Target	73	U	ug/kg	73	U	1.0	YES	S3VEM
Aroclor-1262	Target	73	U	ug/kg	73	U	1.0	YES	S3VEM
Aroclor-1268	Target	73	U	ug/kg	73	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED17A

Sample Number: BG5A6	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: SED17	pH:	Sample Date: 04/27/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 45.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S3VEM
beta-BHC	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S3VEM
delta-BHC	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S3VEM
Heptachlor	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S3VEM
Aldrin	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S3VEM
Endosulfan I	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S3VEM
Dieldrin	Target	0.54	NJ	ug/kg	0.54	JP	1.0	YES	S3VEM
4,4'-DDE	Target	0.71	NJ	ug/kg	0.71	JP	1.0	YES	S3VEM
Endrin	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S3VEM
Endosulfan II	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S3VEM
4,4'-DDD	Target	2.1	J	ug/kg	2.1	JP	1.0	YES	S3VEM
Endosulfan Sulfate	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S3VEM
4,4'-DDT	Target	3.2	J	ug/kg	3.2	JP	1.0	YES	S3VEM
Methoxychlor	Target	38	U	ug/kg	38	U	1.0	YES	S3VEM
Endrin ketone	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	7.3	U	ug/kg	7.3	U	1.0	YES	S3VEM
cis-Chlordane	Target	1.6	J	ug/kg	1.6	JP	1.0	YES	S3VEM
trans-Chlordane	Target	0.85	NJ	ug/kg	0.85	JP	1.0	YES	S3VEM
Toxaphene	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED17A

Sample Number: BG5A6	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SED17	pH:	Sample Date: 04/27/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 45.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	150	U	ug/kg	150	U	1.0	YES	S3VEM
Benzaldehyde	Target	730	U	ug/kg	730	U	1.0	YES	S3VEM
Phenol	Target	100	J	ug/kg	100	J	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	730	U	ug/kg	730	U	1.0	YES	S3VEM
2-Chlorophenol	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
2-Methylphenol	Target	730	U	ug/kg	730	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	730	U	ug/kg	730	U	1.0	YES	S3VEM
Acetophenone	Target	730	U	ug/kg	730	U	1.0	YES	S3VEM
4-Methylphenol	Target	120	J	ug/kg	120	J	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
Hexachloroethane	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
Nitrobenzene	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
Isophorone	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
2-Nitrophenol	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
Naphthalene	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
4-Chloroaniline	Target	730	U	ug/kg	730	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
Caprolactam	Target	730	U	ug/kg	730	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	730	U	ug/kg	730	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
2-Nitroaniline	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
Dimethylphthalate	Target	370	U	ug/kg	150	J	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
Acenaphthylene	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
3-Nitroaniline	Target	730	U	ug/kg	730	U	1.0	YES	S3VEM
Acenaphthene	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	730	U	ug/kg	730	U	1.0	YES	S3VEM
4-Nitrophenol	Target	730	U	ug/kg	730	U	1.0	YES	S3VEM
Dibenzofuran	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
Diethylphthalate	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
Fluorene	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
4-Nitroaniline	Target	730	U	ug/kg	730	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	730	U	ug/kg	730	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
Atrazine	Target	730	U	ug/kg	730	U	1.0	YES	S3VEM
Pentachlorophenol	Target	730	U	ug/kg	730	U	1.0	YES	S3VEM
Phenanthrene	Target	920		ug/kg	920		1.0	YES	S3VEM
Anthracene	Target	110	J	ug/kg	110	J	1.0	YES	S3VEM
Carbazole	Target	92	J	ug/kg	92	J	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED17A

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
Fluoranthene	Target	1600		ug/kg	1600		1.0	YES	S3VEM
Pyrene	Target	1300		ug/kg	1300		1.0	YES	S3VEM
Butylbenzylphthalate	Target	210	J	ug/kg	210	J	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	730	U	ug/kg	730	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	470		ug/kg	470		1.0	YES	S3VEM
Chrysene	Target	580		ug/kg	580		1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	780		ug/kg	780		1.0	YES	S3VEM
Di-n-octyl phthalate	Target	730	U	ug/kg	730	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	690		ug/kg	690		1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	230	J	ug/kg	230	J	1.0	YES	S3VEM
Benzo(a)pyrene	Target	460		ug/kg	460		1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	280	J	ug/kg	280	J	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	81	J	ug/kg	81	J	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	290	J	ug/kg	290	J	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
n-Hexadecanoic acid	TIC	450	JN	ug/kg	450	JN	1.0	YES	NV
Ethanol, 2-butoxy-, phosphate (3:1	TIC	190	JN	ug/kg	190	JN	1.0	YES	NV
Total Alkanes	TIC	2100	B	ug/kg	2100	B	1.0	YES	NV
4H-Cyclopenta[def]phenanthrene	TIC	160	JN	ug/kg	160	JN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED17A

Sample Number: BG5A6	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED17	pH:	Sample Date: 04/27/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 45.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
Chloromethane	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
Vinyl chloride	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
Bromomethane	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
Chloroethane	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
Acetone	Target	160		ug/kg	160		1.0	YES	S3VEM
Carbon disulfide	Target	4.3	J	ug/kg	4.3	J	1.0	YES	S3VEM
Methyl Acetate	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
Methylene chloride	Target	15	U	ug/kg	10	JB	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
2-Butanone	Target	44		ug/kg	44		1.0	YES	S3VEM
Bromochloromethane	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
Chloroform	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
Cyclohexane	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
Benzene	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
Trichloroethene	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
Methylcyclohexane	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
Bromodichloromethane	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	30	U	ug/kg	30	U	1.0	YES	S3VEM
Toluene	Target	15	U	ug/kg	2.6	JB	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
Tetrachloroethene	Target	6.8	J	ug/kg	6.8	J	1.0	YES	S3VEM
2-Hexanone	Target	30	U	ug/kg	30	U	1.0	YES	S3VEM
Dibromochloromethane	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
Chlorobenzene	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
Ethylbenzene	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
o-Xylene	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
m,p-Xylene	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
Styrene	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
Bromoform	Target	15	UJ	ug/kg	15	U	1.0	YES	S3VEM
Isopropylbenzene	Target	15	UJ	ug/kg	15	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	15	U	ug/kg	15	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	15	UJ	ug/kg	15	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	15	UJ	ug/kg	15	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	15	UJ	ug/kg	15	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	15	UJ	ug/kg	15	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	15	UJ	ug/kg	15	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	15	UJ	ug/kg	15	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED17A

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	15	UJ	ug/kg	15	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	15	UJ	ug/kg	15	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV
m-Cymene, 5-tert-butyl-	TIC	9.4	JN	ug/kg	9.4	JN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Sample Number: BG5A6ME	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED17	pH:	Sample Date: 04/27/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 45.2	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	960	U	ug/kg	960	U	1.0	NO	S3VEM
Chloromethane	Target	960	U	ug/kg	960	U	1.0	NO	S3VEM
Vinyl chloride	Target	960	U	ug/kg	960	U	1.0	NO	S3VEM
Bromomethane	Target	960	U	ug/kg	960	U	1.0	NO	S3VEM
Chloroethane	Target	960	U	ug/kg	960	U	1.0	NO	S3VEM
Trichlorofluoromethane	Target	960	U	ug/kg	960	U	1.0	NO	S3VEM
1,1-Dichloroethene	Target	960	U	ug/kg	960	U	1.0	NO	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	960	U	ug/kg	960	U	1.0	NO	S3VEM
Acetone	Target	1900	U	ug/kg	1900	U	1.0	NO	S3VEM
Carbon disulfide	Target	960	U	ug/kg	960	U	1.0	NO	S3VEM
Methyl Acetate	Target	960	U	ug/kg	960	U	1.0	NO	S3VEM
Methylene chloride	Target	960	U	ug/kg	960	U	1.0	NO	S3VEM
trans-1,2-Dichloroethene	Target	960	U	ug/kg	960	U	1.0	NO	S3VEM
Methyl tert-butyl Ether	Target	960	U	ug/kg	960	U	1.0	NO	S3VEM
1,1-Dichloroethane	Target	960	U	ug/kg	960	U	1.0	NO	S3VEM
cis-1,2-Dichloroethene	Target	960	U	ug/kg	960	U	1.0	NO	S3VEM
2-Butanone	Target	1900	U	ug/kg	1900	U	1.0	NO	S3VEM
Bromochloromethane	Target	960	U	ug/kg	960	U	1.0	NO	S3VEM
Chloroform	Target	960	U	ug/kg	960	U	1.0	NO	S3VEM
1,1,1-Trichloroethane	Target	960	U	ug/kg	960	U	1.0	NO	S3VEM
Cyclohexane	Target	960	U	ug/kg	960	U	1.0	NO	S3VEM
Carbon tetrachloride	Target	960	U	ug/kg	960	U	1.0	NO	S3VEM
Benzene	Target	960	U	ug/kg	960	U	1.0	NO	S3VEM
1,2-Dichloroethane	Target	960	U	ug/kg	960	U	1.0	NO	S3VEM
Trichloroethene	Target	960	U	ug/kg	960	U	1.0	NO	S3VEM
Methylcyclohexane	Target	960	U	ug/kg	960	U	1.0	NO	S3VEM
1,2-Dichloropropane	Target	960	U	ug/kg	960	U	1.0	NO	S3VEM
Bromodichloromethane	Target	960	U	ug/kg	960	U	1.0	NO	S3VEM
cis-1,3-Dichloropropene	Target	960	U	ug/kg	960	U	1.0	NO	S3VEM
4-Methyl-2-pentanone	Target	1900	U	ug/kg	1900	U	1.0	NO	S3VEM
Toluene	Target	960	U	ug/kg	960	U	1.0	NO	S3VEM
trans-1,3-Dichloropropene	Target	960	U	ug/kg	960	U	1.0	NO	S3VEM
1,1,2-Trichloroethane	Target	960	U	ug/kg	960	U	1.0	NO	S3VEM
Tetrachloroethene	Target	960	U	ug/kg	960	U	1.0	NO	S3VEM
2-Hexanone	Target	1900	U	ug/kg	1900	U	1.0	NO	S3VEM
Dibromochloromethane	Target	960	U	ug/kg	960	U	1.0	NO	S3VEM
1,2-Dibromoethane	Target	960	U	ug/kg	960	U	1.0	NO	S3VEM
Chlorobenzene	Target	960	U	ug/kg	960	U	1.0	NO	S3VEM
Ethylbenzene	Target	960	U	ug/kg	960	U	1.0	NO	S3VEM
o-Xylene	Target	960	U	ug/kg	960	U	1.0	NO	S3VEM
m,p-Xylene	Target	960	U	ug/kg	960	U	1.0	NO	S3VEM
Styrene	Target	960	U	ug/kg	960	U	1.0	NO	S3VEM
Bromoform	Target	960	U	ug/kg	960	U	1.0	NO	S3VEM
Isopropylbenzene	Target	960	U	ug/kg	960	U	1.0	NO	S3VEM
1,2,3-Trichloropropane	Target	960	U	ug/kg	960	U	1.0	NO	S3VEM
1,1,2,2-Tetrachloroethane	Target	960	U	ug/kg	960	U	1.0	NO	S3VEM
1,3-Dichlorobenzene	Target	960	U	ug/kg	960	U	1.0	NO	S3VEM
1,4-Dichlorobenzene	Target	960	U	ug/kg	960	U	1.0	NO	S3VEM
1,2-Dichlorobenzene	Target	960	U	ug/kg	960	U	1.0	NO	S3VEM
1,2-Dibromo-3-chloropropane	Target	960	U	ug/kg	960	U	1.0	NO	S3VEM
1,2,4-Trimethylbenzene	Target	960	U	ug/kg	960	U	1.0	NO	S3VEM
1,3,5-Trimethylbenzene	Target	960	U	ug/kg	960	U	1.0	NO	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	960	U	ug/kg	960	U	1.0	NO	S3VEM
1,2,3-Trichlorobenzene	Target	960	U	ug/kg	960	U	1.0	NO	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	NO	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED18A

Sample Number: BG5A9	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: SED18	pH:	Sample Date: 04/27/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 69.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	47	U	ug/kg	47	U	1.0	YES	S3VEM
Aroclor-1221	Target	47	U	ug/kg	47	U	1.0	YES	S3VEM
Aroclor-1232	Target	47	U	ug/kg	47	U	1.0	YES	S3VEM
Aroclor-1242	Target	47	U	ug/kg	47	U	1.0	YES	S3VEM
Aroclor-1248	Target	47	U	ug/kg	47	U	1.0	YES	S3VEM
Aroclor-1254	Target	47	U	ug/kg	47	U	1.0	YES	S3VEM
Aroclor-1260	Target	47	U	ug/kg	47	U	1.0	YES	S3VEM
Aroclor-1262	Target	47	U	ug/kg	47	U	1.0	YES	S3VEM
Aroclor-1268	Target	47	U	ug/kg	47	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED18A

Sample Number: BG5A9	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: SED18	pH:	Sample Date: 04/27/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 69.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	2.4	U	ug/kg	2.4	U	1.0	YES	S3VEM
beta-BHC	Target	2.4	U	ug/kg	2.4	U	1.0	YES	S3VEM
delta-BHC	Target	2.4	U	ug/kg	2.4	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	2.4	U	ug/kg	2.4	U	1.0	YES	S3VEM
Heptachlor	Target	2.4	U	ug/kg	2.4	U	1.0	YES	S3VEM
Aldrin	Target	2.4	U	ug/kg	2.4	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	2.4	U	ug/kg	2.4	U	1.0	YES	S3VEM
Endosulfan I	Target	2.4	U	ug/kg	2.4	U	1.0	YES	S3VEM
Dieldrin	Target	4.7	U	ug/kg	4.7	U	1.0	YES	S3VEM
4,4'-DDE	Target	4.7	U	ug/kg	4.7	U	1.0	YES	S3VEM
Endrin	Target	4.7	U	ug/kg	4.7	U	1.0	YES	S3VEM
Endosulfan II	Target	0.35	J+	ug/kg	0.35	JP	1.0	YES	S3VEM
4,4'-DDD	Target	0.52	J+	ug/kg	0.52	JP	1.0	YES	S3VEM
Endosulfan Sulfate	Target	4.7	U	ug/kg	4.7	U	1.0	YES	S3VEM
4,4'-DDT	Target	4.7	U	ug/kg	4.7	U	1.0	YES	S3VEM
Methoxychlor	Target	24	U	ug/kg	24	U	1.0	YES	S3VEM
Endrin ketone	Target	4.7	U	ug/kg	4.7	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	4.7	U	ug/kg	4.7	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.37	J+	ug/kg	0.37	JP	1.0	YES	S3VEM
trans-Chlordane	Target	0.36	NJ	ug/kg	0.36	JP	1.0	YES	S3VEM
Toxaphene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED18A

Sample Number: BG5A9	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SED18	pH:	Sample Date: 04/27/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 69.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	96	U	ug/kg	96	U	1.0	YES	S3VEM
Benzaldehyde	Target	470	U	ug/kg	470	U	1.0	YES	S3VEM
Phenol	Target	470	U	ug/kg	470	U	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	470	U	ug/kg	470	U	1.0	YES	S3VEM
2-Chlorophenol	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
2-Methylphenol	Target	470	U	ug/kg	470	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	470	U	ug/kg	470	U	1.0	YES	S3VEM
Acetophenone	Target	470	U	ug/kg	470	U	1.0	YES	S3VEM
4-Methylphenol	Target	470	U	ug/kg	470	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Hexachloroethane	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Nitrobenzene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Isophorone	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
2-Nitrophenol	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Naphthalene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
4-Chloroaniline	Target	470	U	ug/kg	470	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Caprolactam	Target	470	U	ug/kg	470	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	470	U	ug/kg	470	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
2-Nitroaniline	Target	240	UJ	ug/kg	240	U	1.0	YES	S3VEM
Dimethylphthalate	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Acenaphthylene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
3-Nitroaniline	Target	470	UJ	ug/kg	470	U	1.0	YES	S3VEM
Acenaphthene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	470	UJ	ug/kg	470	U	1.0	YES	S3VEM
4-Nitrophenol	Target	470	UJ	ug/kg	470	U	1.0	YES	S3VEM
Dibenzofuran	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Diethylphthalate	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Fluorene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
4-Nitroaniline	Target	470	UJ	ug/kg	470	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	470	UJ	ug/kg	470	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Atrazine	Target	470	U	ug/kg	470	U	1.0	YES	S3VEM
Pentachlorophenol	Target	470	U	ug/kg	470	U	1.0	YES	S3VEM
Phenanthrene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED18A

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Anthracene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Carbazole	Target	470	U	ug/kg	470	U	1.0	YES	S3VEM
Di-n-butylphthalate	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Fluoranthene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Pyrene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Butylbenzylphthalate	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	470	U	ug/kg	470	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Chrysene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	470	U	ug/kg	470	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	240	U	ug/kg	240	U	1.0	YES	S3VEM
Total Alkanes	TIC	260	B	ug/kg	260	B	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED18A

Sample Number: BG5A9	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED18	pH:	Sample Date: 04/27/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 69.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
Chloromethane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
Vinyl chloride	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
Bromomethane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
Chloroethane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
Acetone	Target	32		ug/kg	32		1.0	YES	S3VEM
Carbon disulfide	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
Methyl Acetate	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
Methylene chloride	Target	6.8	U	ug/kg	6.8		1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
2-Butanone	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Bromochloromethane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
Chloroform	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
Cyclohexane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
Benzene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
Trichloroethene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
Methylcyclohexane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
Bromodichloromethane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Toluene	Target	6.1	U	ug/kg	0.86	JB	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
Tetrachloroethene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
2-Hexanone	Target	12	U	ug/kg	12	U	1.0	YES	S3VEM
Dibromochloromethane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
Chlorobenzene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
Ethylbenzene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
o-Xylene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
m,p-Xylene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
Styrene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
Bromoform	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
Isopropylbenzene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED18A

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	6.1	U	ug/kg	6.1	U	1.0	YES	S3VEM
Dimethyl sulfide	TIC	7.7	JN	ug/kg	7.7	JN	1.0	YES	NV
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED19A

Sample Number: BG5B2	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: SED19	pH:	Sample Date: 04/27/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 32.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	100	U	ug/kg	100	U	1.0	YES	S3VEM
Aroclor-1221	Target	100	U	ug/kg	100	U	1.0	YES	S3VEM
Aroclor-1232	Target	100	U	ug/kg	100	U	1.0	YES	S3VEM
Aroclor-1242	Target	100	U	ug/kg	100	U	1.0	YES	S3VEM
Aroclor-1248	Target	100	U	ug/kg	100	U	1.0	YES	S3VEM
Aroclor-1254	Target	100	U	ug/kg	100	U	1.0	YES	S3VEM
Aroclor-1260	Target	100	U	ug/kg	100	U	1.0	YES	S3VEM
Aroclor-1262	Target	100	U	ug/kg	100	U	1.0	YES	S3VEM
Aroclor-1268	Target	100	U	ug/kg	100	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED19A

Sample Number: BG5B2	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: SED19	pH:	Sample Date: 04/27/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 32.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
beta-BHC	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
delta-BHC	Target	0.93	J+	ug/kg	0.93	JP	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
Heptachlor	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
Aldrin	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
Endosulfan I	Target	5.2	U	ug/kg	5.2	U	1.0	YES	S3VEM
Dieldrin	Target	0.53	NJ	ug/kg	0.53	JP	1.0	YES	S3VEM
4,4'-DDE	Target	0.61	NJ	ug/kg	0.61	JP	1.0	YES	S3VEM
Endrin	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Endosulfan II	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
4,4'-DDD	Target	1.7	J+	ug/kg	1.7	JP	1.0	YES	S3VEM
Endosulfan Sulfate	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
4,4'-DDT	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Methoxychlor	Target	52	U	ug/kg	52	U	1.0	YES	S3VEM
Endrin ketone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
cis-Chlordane	Target	2.4	J+	ug/kg	2.4	JP	1.0	YES	S3VEM
trans-Chlordane	Target	1.5	NJ	ug/kg	1.5	JP	1.0	YES	S3VEM
Toxaphene	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED19A

Sample Number: BG5B2	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SED19	pH:	Sample Date: 04/27/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 32.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	200	U	ug/kg	200	U	1.0	YES	S3VEM
Benzaldehyde	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VEM
Phenol	Target	140	J	ug/kg	140	J	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VEM
2-Chlorophenol	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
2-Methylphenol	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VEM
Acetophenone	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VEM
4-Methylphenol	Target	190	J	ug/kg	190	J	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
Hexachloroethane	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
Nitrobenzene	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
Isophorone	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
2-Nitrophenol	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
Naphthalene	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
4-Chloroaniline	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
Caprolactam	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
2-Nitroaniline	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
Dimethylphthalate	Target	520	U	ug/kg	160	J	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
Acenaphthylene	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
3-Nitroaniline	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VEM
Acenaphthene	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VEM
4-Nitrophenol	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VEM
Dibenzofuran	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
Diethylphthalate	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
Fluorene	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
4-Nitroaniline	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
Atrazine	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VEM
Pentachlorophenol	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VEM
Phenanthrene	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
Anthracene	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
Carbazole	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED19A

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
Fluoranthene	Target	310	J	ug/kg	310	J	1.0	YES	S3VEM
Pyrene	Target	230	J	ug/kg	230	J	1.0	YES	S3VEM
Butylbenzylphthalate	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
Chrysene	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	340	J	ug/kg	340	J	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	1000	U	ug/kg	1000	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	110	J	ug/kg	110	J	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	520	U	ug/kg	520	U	1.0	YES	S3VEM
n-Hexadecanoic acid	TIC	300	JN	ug/kg	300	JN	1.0	YES	NV
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV
Heptadecyl heptafluorobutyrate	TIC	610	JN	ug/kg	610	JN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED19A

Sample Number: BG5B2	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED19	pH:	Sample Date: 04/27/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 32.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Chloromethane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Vinyl chloride	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Bromomethane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Chloroethane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Acetone	Target	260		ug/kg	260		1.0	YES	S3VEM
Carbon disulfide	Target	9.9	J	ug/kg	9.9	J	1.0	YES	S3VEM
Methyl Acetate	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Methylene chloride	Target	25	U	ug/kg	18	JB	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
2-Butanone	Target	76		ug/kg	76		1.0	YES	S3VEM
Bromochloromethane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Chloroform	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Cyclohexane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Benzene	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Trichloroethene	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Methylcyclohexane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Bromodichloromethane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	49	U	ug/kg	49	U	1.0	YES	S3VEM
Toluene	Target	25	U	ug/kg	4.8	JB	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Tetrachloroethene	Target	16	J	ug/kg	16	J	1.0	YES	S3VEM
2-Hexanone	Target	49	U	ug/kg	49	U	1.0	YES	S3VEM
Dibromochloromethane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Chlorobenzene	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Ethylbenzene	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
o-Xylene	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
m,p-Xylene	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Styrene	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
Bromoform	Target	25	UJ	ug/kg	25	U	1.0	YES	S3VEM
Isopropylbenzene	Target	25	UJ	ug/kg	25	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	25	U	ug/kg	25	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	25	UJ	ug/kg	25	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	25	UJ	ug/kg	25	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	25	UJ	ug/kg	25	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	25	UJ	ug/kg	25	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	25	UJ	ug/kg	25	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	25	UJ	ug/kg	25	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED19A

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	25	UJ	ug/kg	25	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	25	UJ	ug/kg	25	U	1.0	YES	S3VEM
unknown-01	TIC	21	J	ug/kg	21	J	1.0	YES	NV
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Sample Number: BG5B2ME	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED19	pH:	Sample Date: 04/27/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 32.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
Chloromethane	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
Vinyl chloride	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
Bromomethane	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
Chloroethane	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
Trichlorofluoromethane	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
1,1-Dichloroethene	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
Acetone	Target	3400	U	ug/kg	3400	U	1.0	NO	S3VEM
Carbon disulfide	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
Methyl Acetate	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
Methylene chloride	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
trans-1,2-Dichloroethene	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
Methyl tert-butyl Ether	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
1,1-Dichloroethane	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
cis-1,2-Dichloroethene	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
2-Butanone	Target	3400	U	ug/kg	3400	U	1.0	NO	S3VEM
Bromochloromethane	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
Chloroform	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
1,1,1-Trichloroethane	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
Cyclohexane	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
Carbon tetrachloride	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
Benzene	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
1,2-Dichloroethane	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
Trichloroethene	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
Methylcyclohexane	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
1,2-Dichloropropane	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
Bromodichloromethane	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
cis-1,3-Dichloropropene	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
4-Methyl-2-pentanone	Target	3400	U	ug/kg	3400	U	1.0	NO	S3VEM
Toluene	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
trans-1,3-Dichloropropene	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
1,1,2-Trichloroethane	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
Tetrachloroethene	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
2-Hexanone	Target	3400	U	ug/kg	3400	U	1.0	NO	S3VEM
Dibromochloromethane	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
1,2-Dibromoethane	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
Chlorobenzene	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
Ethylbenzene	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
o-Xylene	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
m,p-Xylene	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
Styrene	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
Bromoform	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
Isopropylbenzene	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
1,2,3-Trichloropropane	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
1,1,2,2-Tetrachloroethane	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
1,3-Dichlorobenzene	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
1,4-Dichlorobenzene	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
1,2-Dichlorobenzene	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
1,2-Dibromo-3-chloropropane	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
1,2,4-Trimethylbenzene	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
1,3,5-Trimethylbenzene	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
1,2,3-Trichlorobenzene	Target	1700	U	ug/kg	1700	U	1.0	NO	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	NO	NV
unknown-01	TIC	870	JB	ug/kg	870	JB	1.0	NO	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED20A

Sample Number: BG5B5	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: SED20/SW20	pH:	Sample Date: 04/27/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 50.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	65	UJ	ug/kg	65	U	1.0	YES	S3VEM
Aroclor-1221	Target	65	UJ	ug/kg	65	U	1.0	YES	S3VEM
Aroclor-1232	Target	65	UJ	ug/kg	65	U	1.0	YES	S3VEM
Aroclor-1242	Target	65	UJ	ug/kg	65	U	1.0	YES	S3VEM
Aroclor-1248	Target	65	UJ	ug/kg	65	U	1.0	YES	S3VEM
Aroclor-1254	Target	65	UJ	ug/kg	65	U	1.0	YES	S3VEM
Aroclor-1260	Target	65	UJ	ug/kg	65	U	1.0	YES	S3VEM
Aroclor-1262	Target	65	UJ	ug/kg	65	U	1.0	YES	S3VEM
Aroclor-1268	Target	65	UJ	ug/kg	65	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project | **GroupID: 49391/68HERH20D0011/BG516** | **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED20A

Sample Number: BG5B5	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: SED20/SW20	pH:	Sample Date: 04/27/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 50.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
beta-BHC	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
delta-BHC	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
Heptachlor	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
Aldrin	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
Endosulfan I	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
Dieldrin	Target	0.32	NJ	ug/kg	0.32	JP	1.0	YES	S3VEM
4,4'-DDE	Target	0.97	J	ug/kg	0.97	JP	1.0	YES	S3VEM
Endrin	Target	6.5	U	ug/kg	6.5	U	1.0	YES	S3VEM
Endosulfan II	Target	6.5	U	ug/kg	6.5	U	1.0	YES	S3VEM
4,4'-DDD	Target	1.7	J	ug/kg	1.7	JP	1.0	YES	S3VEM
Endosulfan Sulfate	Target	6.5	U	ug/kg	6.5	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.64	J	ug/kg	0.64	JP	1.0	YES	S3VEM
Methoxychlor	Target	34	U	ug/kg	34	U	1.0	YES	S3VEM
Endrin ketone	Target	6.5	U	ug/kg	6.5	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	6.5	U	ug/kg	6.5	U	1.0	YES	S3VEM
cis-Chlordane	Target	2.9	J	ug/kg	2.9	JP	1.0	YES	S3VEM
trans-Chlordane	Target	2.8	NJ	ug/kg	2.8	JP	1.0	YES	S3VEM
Toxaphene	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED20A

Sample Number: BG5B5	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SED20/SW20	pH:	Sample Date: 04/27/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 50.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	130	U	ug/kg	130	U	1.0	YES	S3VEM
Benzaldehyde	Target	650	U	ug/kg	650	U	1.0	YES	S3VEM
Phenol	Target	88	J	ug/kg	88	J	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	650	U	ug/kg	650	U	1.0	YES	S3VEM
2-Chlorophenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
2-Methylphenol	Target	650	U	ug/kg	650	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	650	U	ug/kg	650	U	1.0	YES	S3VEM
Acetophenone	Target	650	U	ug/kg	650	U	1.0	YES	S3VEM
4-Methylphenol	Target	650	U	ug/kg	650	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Hexachloroethane	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Nitrobenzene	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Isophorone	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
2-Nitrophenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Naphthalene	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
4-Chloroaniline	Target	650	U	ug/kg	650	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Caprolactam	Target	650	U	ug/kg	650	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	650	U	ug/kg	650	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
2-Nitroaniline	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Dimethylphthalate	Target	330	U	ug/kg	110	J	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Acenaphthylene	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
3-Nitroaniline	Target	650	U	ug/kg	650	U	1.0	YES	S3VEM
Acenaphthene	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	650	U	ug/kg	650	U	1.0	YES	S3VEM
4-Nitrophenol	Target	650	U	ug/kg	650	U	1.0	YES	S3VEM
Dibenzofuran	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Diethylphthalate	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Fluorene	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
4-Nitroaniline	Target	650	U	ug/kg	650	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	650	U	ug/kg	650	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Atrazine	Target	650	U	ug/kg	650	U	1.0	YES	S3VEM
Pentachlorophenol	Target	650	U	ug/kg	650	U	1.0	YES	S3VEM
Phenanthrene	Target	76	J	ug/kg	76	J	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED20A

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Anthracene	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Carbazole	Target	650	U	ug/kg	650	U	1.0	YES	S3VEM
Di-n-butylphthalate	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Fluoranthene	Target	220	J	ug/kg	220	J	1.0	YES	S3VEM
Pyrene	Target	240	J	ug/kg	240	J	1.0	YES	S3VEM
Butylbenzylphthalate	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	650	U	ug/kg	650	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	76	J	ug/kg	76	J	1.0	YES	S3VEM
Chrysene	Target	110	J	ug/kg	110	J	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	240	J	ug/kg	240	J	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	650	U	ug/kg	650	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	140	J	ug/kg	140	J	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	86	J	ug/kg	86	J	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Triacetin	TIC	180	JN	ug/kg	180	JN	1.0	YES	NV
n-Hexadecanoic acid	TIC	210	JN	ug/kg	210	JN	1.0	YES	NV
Total Alkanes	TIC	890	B	ug/kg	890	B	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED20A

Sample Number: BG5B5	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED20/SW20	pH:	Sample Date: 04/27/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 50.8	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Chloromethane	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Vinyl chloride	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Bromomethane	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Chloroethane	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Acetone	Target	66		ug/kg	66		1.0	YES	S3VEM
Carbon disulfide	Target	3.4	J	ug/kg	3.4	J	1.0	YES	S3VEM
Methyl Acetate	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Methylene chloride	Target	12		ug/kg	12	B	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
2-Butanone	Target	19	J	ug/kg	19	J	1.0	YES	S3VEM
Bromochloromethane	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Chloroform	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Cyclohexane	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Benzene	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Trichloroethene	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Methylcyclohexane	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Bromodichloromethane	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	21	U	ug/kg	21	U	1.0	YES	S3VEM
Toluene	Target	10	U	ug/kg	1.4	JB	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5	J	ug/kg	5	J	1.0	YES	S3VEM
2-Hexanone	Target	21	U	ug/kg	21	U	1.0	YES	S3VEM
Dibromochloromethane	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Chlorobenzene	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Ethylbenzene	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
o-Xylene	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
m,p-Xylene	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Styrene	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Bromoform	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Isopropylbenzene	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED20A

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Sample Number: PBLK122	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
beta-BHC	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
delta-BHC	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
Heptachlor	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
Aldrin	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
Endosulfan I	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
Dieldrin	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
4,4'-DDE	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
Endrin	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
Endosulfan II	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
4,4'-DDD	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
4,4'-DDT	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
Methoxychlor	Target	17	U	ug/kg	17	U	1.0	YES	S3VEM
Endrin ketone	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
cis-Chlordane	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
trans-Chlordane	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
Toxaphene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Sample Number: PLCS122	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Spike	1.5	J	ug/kg	1.5	J	1.0	YES	S3VEM
beta-BHC	Spike	1.4	JP	ug/kg	1.4	JP	1.0	YES	S3VEM
delta-BHC	Spike	1.3	JP	ug/kg	1.3	JP	1.0	YES	S3VEM
gamma-BHC (Lindane)	Spike	1.4	J	ug/kg	1.4	J	1.0	YES	S3VEM
Heptachlor	Spike	1.3	J	ug/kg	1.3	J	1.0	YES	S3VEM
Aldrin	Spike	1.3	J	ug/kg	1.3	J	1.0	YES	S3VEM
Heptachlor epoxide	Spike	1.4	J	ug/kg	1.4	J	1.0	YES	S3VEM
Endosulfan I	Spike	1.4	J	ug/kg	1.4	J	1.0	YES	S3VEM
Dieldrin	Spike	2.7	J	ug/kg	2.7	J	1.0	YES	S3VEM
4,4'-DDE	Spike	2.6	J	ug/kg	2.6	J	1.0	YES	S3VEM
Endrin	Spike	2.7	J	ug/kg	2.7	J	1.0	YES	S3VEM
Endosulfan II	Spike	2.9	J	ug/kg	2.9	J	1.0	YES	S3VEM
4,4'-DDD	Spike	2.8	JP	ug/kg	2.8	JP	1.0	YES	S3VEM
Endosulfan Sulfate	Spike	2.9	J	ug/kg	2.9	J	1.0	YES	S3VEM
4,4'-DDT	Spike	2.2	J	ug/kg	2.2	J	1.0	YES	S3VEM
Methoxychlor	Spike	13	J	ug/kg	13	J	1.0	YES	S3VEM
Endrin ketone	Spike	3.1	J	ug/kg	3.1	J	1.0	YES	S3VEM
Endrin Aldehyde	Spike	3.1	J	ug/kg	3.1	J	1.0	YES	S3VEM
cis-Chlordane	Spike	1.4	J	ug/kg	1.4	J	1.0	YES	S3VEM
trans-Chlordane	Spike	1.4	J	ug/kg	1.4	J	1.0	YES	S3VEM
Toxaphene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Sample Number: SBLK123	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	67	U	ug/kg	67	U	1.0	YES	S3VEM
Benzaldehyde	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Phenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
2-Chlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2-Methylphenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Acetophenone	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
4-Methylphenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Hexachloroethane	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Nitrobenzene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Isophorone	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2-Nitrophenol	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Naphthalene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
4-Chloroaniline	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Caprolactam	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2-Nitroaniline	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Dimethylphthalate	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Acenaphthylene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
3-Nitroaniline	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Acenaphthene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
4-Nitrophenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Dibenzofuran	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Diethylphthalate	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Fluorene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
4-Nitroaniline	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Atrazine	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Pentachlorophenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Phenanthrene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Anthracene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Carbazole	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Di-n-butylphthalate	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Fluoranthene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Pyrene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Butylbenzylphthalate	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Chrysene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Total Alkanes	TIC	660	B	ug/kg	660	B	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Sample Number: SLCS123	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Spike	430		ug/kg	430		1.0	YES	S3VEM
Benzaldehyde	Spike	940		ug/kg	940		1.0	YES	S3VEM
Phenol	Spike	1000		ug/kg	1000		1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Spike	1000		ug/kg	1000		1.0	YES	S3VEM
2-Chlorophenol	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
2-Methylphenol	Spike	1000		ug/kg	1000		1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
Acetophenone	Spike	960		ug/kg	960		1.0	YES	S3VEM
4-Methylphenol	Spike	990		ug/kg	990		1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
Hexachloroethane	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
Nitrobenzene	Spike	1200	J	ug/kg	1200		1.0	YES	S3VEM
Isophorone	Spike	1000		ug/kg	1000		1.0	YES	S3VEM
2-Nitrophenol	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
2,4-Dimethylphenol	Spike	1000		ug/kg	1000		1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Spike	1000		ug/kg	1000		1.0	YES	S3VEM
2,4-Dichlorophenol	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
Naphthalene	Spike	1000		ug/kg	1000		1.0	YES	S3VEM
4-Chloroaniline	Spike	840		ug/kg	840		1.0	YES	S3VEM
Hexachlorobutadiene	Spike	1000		ug/kg	1000		1.0	YES	S3VEM
Caprolactam	Spike	1000		ug/kg	1000		1.0	YES	S3VEM
4-Chloro-3-methylphenol	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
1-Methylnaphthalene	Spike	980		ug/kg	980		1.0	YES	S3VEM
2-Methylnaphthalene	Spike	990		ug/kg	990		1.0	YES	S3VEM
Hexachlorocyclopentadiene	Spike	970		ug/kg	970		1.0	YES	S3VEM
2,4,6-Trichlorophenol	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
2,4,5-Trichlorophenol	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
1,1-Biphenyl	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
2-Chloronaphthalene	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
2-Nitroaniline	Spike	1400	J	ug/kg	1400		1.0	YES	S3VEM
Dimethylphthalate	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
2,6-Dinitrotoluene	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
Acenaphthylene	Spike	1000		ug/kg	1000		1.0	YES	S3VEM
3-Nitroaniline	Spike	980		ug/kg	980		1.0	YES	S3VEM
Acenaphthene	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
2,4-Dinitrophenol	Spike	940		ug/kg	940		1.0	YES	S3VEM
4-Nitrophenol	Spike	1000		ug/kg	1000		1.0	YES	S3VEM
Dibenzofuran	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
2,4-Dinitrotoluene	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
Diethylphthalate	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
Fluorene	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
4-Nitroaniline	Spike	1000		ug/kg	1000		1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
N-Nitrosodiphenylamine	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
4-Bromophenyl-phenylether	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
Hexachlorobenzene	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
Atrazine	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
Pentachlorophenol	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
Phenanthrene	Spike	1100		ug/kg	1100		1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Anthracene	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
Carbazole	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
Di-n-butylphthalate	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
Fluoranthene	Spike	1300		ug/kg	1300		1.0	YES	S3VEM
Pyrene	Spike	1300		ug/kg	1300		1.0	YES	S3VEM
Butylbenzylphthalate	Spike	1500		ug/kg	1500		1.0	YES	S3VEM
3,3-Dichlorobenzidine	Spike	950		ug/kg	950		1.0	YES	S3VEM
Benzo(a)anthracene	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
Chrysene	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Spike	1400		ug/kg	1400		1.0	YES	S3VEM
Di-n-octyl phthalate	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
Benzo(b)fluoranthene	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
Benzo(k)fluoranthene	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
Benzo(a)pyrene	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Spike	1300		ug/kg	1300		1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Spike	1300		ug/kg	1300		1.0	YES	S3VEM
Benzo(g,h,i)perylene	Spike	1300		ug/kg	1300		1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Sample Number: VBLK112	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Toluene	Target	0.66	J	ug/kg	0.66	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Sample Number: VBLK113	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	4.1	J	ug/kg	4.1	J	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Toluene	Target	0.66	J	ug/kg	0.66	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	UJ	ug/kg	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Sample Number: VBLK116	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.1		ug/kg	5.1		1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Toluene	Target	0.64	J	ug/kg	0.64	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Sample Number: VBLK181	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Chloromethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Vinyl chloride	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Bromomethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Chloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Acetone	Target	500	U	ug/kg	500	U	1.0	YES	S3VEM
Carbon disulfide	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Methyl Acetate	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Methylene chloride	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
2-Butanone	Target	500	U	ug/kg	500	U	1.0	YES	S3VEM
Bromochloromethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Chloroform	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Cyclohexane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Benzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Trichloroethene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Methylcyclohexane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Bromodichloromethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	500	U	ug/kg	500	U	1.0	YES	S3VEM
Toluene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Tetrachloroethene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
2-Hexanone	Target	500	U	ug/kg	500	U	1.0	YES	S3VEM
Dibromochloromethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Chlorobenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Ethylbenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
o-Xylene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
m,p-Xylene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Styrene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Bromoform	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Isopropylbenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
unknown-01	TIC	130	J	ug/kg	130	J	1.0	YES	NV
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Sample Number: VHBLK001	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.2		ug/kg	5.2	B	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Toluene	Target	0.66	J	ug/kg	0.66	JB	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG516** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV
7H-Dibenzo[b,g]carbazole, 7-methyl-	TIC	5.2	JN	ug/kg	5.2	JN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project | **GroupID: 49391/68HERH20D0011/BG516** | **Lab Name: Chemtech Consulting Group**

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG516	Sediment	04/27/2021	1.0	75-71-8	Dichlorodifluoromethane	18	U	U	18	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	74-87-3	Chloromethane	18	U	U	18	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	75-01-4	Vinyl chloride	18	U	U	18	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	74-83-9	Bromomethane	18	U	U	18	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	75-00-3	Chloroethane	18	U	U	18	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	75-69-4	Trichlorofluoromethane	18	U	U	18	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	75-35-4	1,1-Dichloroethene	18	U	U	18	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	18	U	U	18	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	67-64-1	Acetone	76			37	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	75-15-0	Carbon disulfide	23			18	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	79-20-9	Methyl Acetate	18	U	U	18	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	75-09-2	Methylene chloride	18	J	U	18	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	156-60-5	trans-1,2-Dichloroethene	18	U	U	18	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	1634-04-4	Methyl tert-butyl Ether	18	U	U	18	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	75-34-3	1,1-Dichloroethane	18	U	U	18	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	156-59-2	cis-1,2-Dichloroethene	18	U	U	18	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	78-93-3	2-Butanone	37	U	U	37	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	74-97-5	Bromochloromethane	18	U	U	18	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	67-66-3	Chloroform	18	U	U	18	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	71-55-6	1,1,1-Trichloroethane	18	U	U	18	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	110-82-7	Cyclohexane	18	U	U	18	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	56-23-5	Carbon tetrachloride	18	U	U	18	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	71-43-2	Benzene	18	U	U	18	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	107-06-2	1,2-Dichloroethane	18	U	U	18	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	79-01-6	Trichloroethene	18	U	U	18	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	108-87-2	Methylcyclohexane	18	U	U	18	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	78-87-5	1,2-Dichloropropane	18	U	U	18	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	75-27-4	Bromodichloromethane	18	U	U	18	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	18	U	U	18	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	108-10-1	4-Methyl-2-pentanone	37	U	U	37	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	108-88-3	Toluene	18	JB	U	18	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	18	U	U	18	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	79-00-5	1,1,2-Trichloroethane	18	U	U	18	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	127-18-4	Tetrachloroethene	18	U	U	18	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	591-78-6	2-Hexanone	37	U	U	37	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	124-48-1	Dibromochloromethane	18	U	U	18	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	106-93-4	1,2-Dibromoethane	18	U	U	18	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	108-90-7	Chlorobenzene	18	U	U	18	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	100-41-4	Ethylbenzene	18	U	U	18	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	95-47-6	o-Xylene	18	U	U	18	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	179601-23-1	m,p-Xylene	18	U	U	18	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	100-42-5	Styrene	18	U	U	18	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	75-25-2	Bromoform	18	U	U	18	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	98-82-8	Isopropylbenzene	18	U	U	18	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	96-18-4	1,2,3-Trichloropropane	18	U	U	18	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	18	U	U	18	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	541-73-1	1,3-Dichlorobenzene	18	U	U	18	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	106-46-7	1,4-Dichlorobenzene	18	U	U	18	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	95-50-1	1,2-Dichlorobenzene	18	U	U	18	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	18	U	U	18	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	18	U	U	18	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	18	U	U	18	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	120-82-1	1,2,4-trichlorobenzene	18	U	U	18	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	18	U	U	18	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	000075-18-3	Dimethyl sulfide	15	JN	JN		ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	6100-SED27A
BG597	Sediment	04/27/2021	1.0	75-71-8	Dichlorodifluoromethane	6.4	U	U	6.4	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	74-87-3	Chloromethane	6.4	U	U	6.4	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	75-01-4	Vinyl chloride	6.4	U	U	6.4	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	74-83-9	Bromomethane	6.4	U	U	6.4	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	75-00-3	Chloroethane	6.4	U	U	6.4	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	75-69-4	Trichlorofluoromethane	6.4	U	U	6.4	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	75-35-4	1,1-Dichloroethene	6.4	U	U	6.4	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6.4	U	U	6.4	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	67-64-1	Acetone	37			13	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	75-15-0	Carbon disulfide	2.2	J	J	6.4	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	79-20-9	Methyl Acetate	6.4	U	U	6.4	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	75-09-2	Methylene chloride	6.9		U	6.4	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	156-60-5	trans-1,2-Dichloroethene	6.4	U	U	6.4	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	1634-04-4	Methyl tert-butyl Ether	6.4	U	U	6.4	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	75-34-3	1,1-Dichloroethane	6.4	U	U	6.4	ug/kg	6100-SED14A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG597	Sediment	04/27/2021	1.0	156-59-2	cis-1,2-Dichloroethene	6.4	U	U	6.4	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	78-93-3	2-Butanone	9.3	J	J	13	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	74-97-5	Bromochloromethane	6.4	U	U	6.4	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	67-66-3	Chloroform	6.4	U	U	6.4	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	71-55-6	1,1,1-Trichloroethane	6.4	U	U	6.4	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	110-82-7	Cyclohexane	6.4	U	U	6.4	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	56-23-5	Carbon tetrachloride	6.4	U	U	6.4	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	71-43-2	Benzene	6.4	U	U	6.4	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	107-06-2	1,2-Dichloroethane	6.4	U	U	6.4	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	79-01-6	Trichloroethene	6.4	U	U	6.4	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	108-87-2	Methylcyclohexane	6.4	U	U	6.4	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	78-87-5	1,2-Dichloropropane	6.4	U	U	6.4	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	75-27-4	Bromodichloromethane	6.4	U	U	6.4	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	6.4	U	U	6.4	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	108-10-1	4-Methyl-2-pentanone	13	U	U	13	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	108-88-3	Toluene	6.4	JB	U	6.4	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	6.4	U	U	6.4	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	79-00-5	1,1,2-Trichloroethane	6.4	U	U	6.4	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	127-18-4	Tetrachloroethene	6.4	U	U	6.4	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	591-78-6	2-Hexanone	13	U	U	13	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	124-48-1	Dibromochloromethane	6.4	U	U	6.4	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	106-93-4	1,2-Dibromoethane	6.4	U	U	6.4	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	108-90-7	Chlorobenzene	6.4	U	U	6.4	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	100-41-4	Ethylbenzene	6.4	U	U	6.4	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	95-47-6	o-Xylene	6.4	U	U	6.4	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	179601-23-1	m,p-Xylene	6.4	U	U	6.4	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	100-42-5	Styrene	6.4	U	U	6.4	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	75-25-2	Bromoform	6.4	U	U	6.4	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	98-82-8	Isopropylbenzene	6.4	U	U	6.4	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	96-18-4	1,2,3-Trichloropropane	6.4	U	U	6.4	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	6.4	U	U	6.4	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	541-73-1	1,3-Dichlorobenzene	6.4	U	U	6.4	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	106-46-7	1,4-Dichlorobenzene	6.4	U	U	6.4	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	95-50-1	1,2-Dichlorobenzene	6.4	U	U	6.4	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	6.4	U	U	6.4	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	6.4	U	U	6.4	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	6.4	U	U	6.4	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	120-82-1	1,2,4-trichlorobenzene	6.4	U	U	6.4	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	6.4	U	U	6.4	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	6100-SED14A
BG5A0	Sediment	04/27/2021	1.0	75-71-8	Dichlorodifluoromethane	22	U	U	22	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	74-87-3	Chloromethane	22	U	U	22	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	75-01-4	Vinyl chloride	22	U	U	22	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	74-83-9	Bromomethane	22	U	U	22	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	75-00-3	Chloroethane	22	U	U	22	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	75-69-4	Trichlorofluoromethane	22	U	U	22	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	75-35-4	1,1-Dichloroethene	22	U	U	22	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	22	U	U	22	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	67-64-1	Acetone	65			45	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	75-15-0	Carbon disulfide	14	J	J	22	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	79-20-9	Methyl Acetate	22	U	U	22	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	75-09-2	Methylene chloride	22			22	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	156-60-5	trans-1,2-Dichloroethene	22	U	U	22	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	1634-04-4	Methyl tert-butyl Ether	22	U	U	22	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	75-34-3	1,1-Dichloroethane	22	U	U	22	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	156-59-2	cis-1,2-Dichloroethene	22	U	U	22	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	78-93-3	2-Butanone	45	U	U	45	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	74-97-5	Bromochloromethane	22	U	U	22	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	67-66-3	Chloroform	22	U	U	22	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	71-55-6	1,1,1-Trichloroethane	22	U	U	22	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	110-82-7	Cyclohexane	22	U	U	22	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	56-23-5	Carbon tetrachloride	22	U	U	22	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	71-43-2	Benzene	22	U	U	22	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	107-06-2	1,2-Dichloroethane	22	U	U	22	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	79-01-6	Trichloroethene	22	U	U	22	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	108-87-2	Methylcyclohexane	22	U	U	22	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	78-87-5	1,2-Dichloropropane	22	U	U	22	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	75-27-4	Bromodichloromethane	22	U	U	22	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	22	U	U	22	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	108-10-1	4-Methyl-2-pentanone	45	U	U	45	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	108-88-3	Toluene	22	JB	U	22	ug/kg	6100-SED15A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG5A0	Sediment	04/27/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	22	U	U	22	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	79-00-5	1,1,2-Trichloroethane	22	U	U	22	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	127-18-4	Tetrachloroethene	22	U	U	22	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	591-78-6	2-Hexanone	45	U	U	45	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	124-48-1	Dibromochloromethane	22	U	U	22	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	106-93-4	1,2-Dibromoethane	22	U	U	22	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	108-90-7	Chlorobenzene	22	U	U	22	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	100-41-4	Ethylbenzene	22	U	U	22	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	95-47-6	o-Xylene	22	U	U	22	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	179601-23-1	m,p-Xylene	22	U	U	22	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	100-42-5	Styrene	22	U	U	22	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	75-25-2	Bromoform	22	U	U	22	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	98-82-8	Isopropylbenzene	22	U	U	22	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	96-18-4	1,2,3-Trichloropropane	22	U	U	22	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	22	U	U	22	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	541-73-1	1,3-Dichlorobenzene	22	U	U	22	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	106-46-7	1,4-Dichlorobenzene	22	U	U	22	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	95-50-1	1,2-Dichlorobenzene	22	U	U	22	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	22	U	U	22	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	22	U	U	22	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	22	U	U	22	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	120-82-1	1,2,4-trichlorobenzene	22	U	U	22	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	22	U	U	22	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	000075-18-3	Dimethyl sulfide	67	JN	JN		ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	6100-SED15A
BG5A1	Sediment	04/27/2021	1.0	75-71-8	Dichlorodifluoromethane	7.7	U	U	7.7	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	74-87-3	Chloromethane	7.7	U	U	7.7	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	75-01-4	Vinyl chloride	7.7	U	U	7.7	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	74-83-9	Bromomethane	7.7	U	U	7.7	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	75-00-3	Chloroethane	7.7	U	U	7.7	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	75-69-4	Trichlorofluoromethane	7.7	U	U	7.7	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	75-35-4	1,1-Dichloroethene	7.7	U	U	7.7	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	7.7	U	U	7.7	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	67-64-1	Acetone	19		U	15	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	75-15-0	Carbon disulfide	16			7.7	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	79-20-9	Methyl Acetate	7.7	U	U	7.7	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	75-09-2	Methylene chloride	8.9		U	7.7	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	156-60-5	trans-1,2-Dichloroethene	7.7	U	U	7.7	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	1634-04-4	Methyl tert-butyl Ether	7.7	U	U	7.7	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	75-34-3	1,1-Dichloroethane	7.7	U	U	7.7	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	156-59-2	cis-1,2-Dichloroethene	7.7	U	U	7.7	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	78-93-3	2-Butanone	15	U	U	15	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	74-97-5	Bromochloromethane	7.7	U	U	7.7	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	67-66-3	Chloroform	7.7	U	U	7.7	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	71-55-6	1,1,1-Trichloroethane	7.7	U	U	7.7	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	110-82-7	Cyclohexane	7.7	U	U	7.7	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	56-23-5	Carbon tetrachloride	7.7	U	U	7.7	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	71-43-2	Benzene	7.7	U	U	7.7	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	107-06-2	1,2-Dichloroethane	7.7	U	U	7.7	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	79-01-6	Trichloroethene	7.7	U	U	7.7	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	108-87-2	Methylcyclohexane	7.7	U	U	7.7	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	78-87-5	1,2-Dichloropropane	7.7	U	U	7.7	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	75-27-4	Bromodichloromethane	7.7	U	U	7.7	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	7.7	U	U	7.7	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	108-10-1	4-Methyl-2-pentanone	15	U	U	15	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	108-88-3	Toluene	7.7	JB	U	7.7	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	7.7	U	U	7.7	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	79-00-5	1,1,2-Trichloroethane	7.7	U	U	7.7	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	127-18-4	Tetrachloroethene	7.7	U	U	7.7	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	591-78-6	2-Hexanone	15	U	U	15	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	124-48-1	Dibromochloromethane	7.7	U	U	7.7	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	106-93-4	1,2-Dibromoethane	7.7	U	U	7.7	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	108-90-7	Chlorobenzene	7.7	U	U	7.7	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	100-41-4	Ethylbenzene	7.7	U	U	7.7	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	95-47-6	o-Xylene	7.7	U	U	7.7	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	179601-23-1	m,p-Xylene	7.7	U	U	7.7	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	100-42-5	Styrene	7.7	U	U	7.7	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	75-25-2	Bromoform	7.7	U	U	7.7	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	98-82-8	Isopropylbenzene	7.7	U	U	7.7	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	96-18-4	1,2,3-Trichloropropane	7.7	U	U	7.7	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	7.7	U	U	7.7	ug/kg	6100-SED15B

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG5A1	Sediment	04/27/2021	1.0	541-73-1	1,3-Dichlorobenzene	7.7	U	U	7.7	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	106-46-7	1,4-Dichlorobenzene	7.7	U	U	7.7	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	95-50-1	1,2-Dichlorobenzene	7.7	U	U	7.7	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	7.7	U	U	7.7	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	7.7	U	U	7.7	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	7.7	U	U	7.7	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	120-82-1	1,2,4-trichlorobenzene	7.7	U	U	7.7	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	7.7	U	U	7.7	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	6100-SED15B
BG5A3	Sediment	04/27/2021	1.0	75-71-8	Dichlorodifluoromethane	7.5	U	U	7.5	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	74-87-3	Chloromethane	7.5	U	U	7.5	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	75-01-4	Vinyl chloride	7.5	U	U	7.5	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	74-83-9	Bromomethane	7.5	U	U	7.5	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	75-00-3	Chloroethane	7.5	U	U	7.5	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	75-69-4	Trichlorofluoromethane	7.5	U	U	7.5	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	75-35-4	1,1-Dichloroethene	7.5	U	U	7.5	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	7.5	U	U	7.5	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	67-64-1	Acetone	47			15	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	75-15-0	Carbon disulfide	7.5	U	U	7.5	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	79-20-9	Methyl Acetate	7.5	U	U	7.5	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	75-09-2	Methylene chloride	8.1		U	7.5	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	156-60-5	trans-1,2-Dichloroethene	7.5	U	U	7.5	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	1634-04-4	Methyl tert-butyl Ether	7.5	U	U	7.5	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	75-34-3	1,1-Dichloroethane	7.5	U	U	7.5	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	156-59-2	cis-1,2-Dichloroethene	7.5	U	U	7.5	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	78-93-3	2-Butanone	14	J	J	15	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	74-97-5	Bromochloromethane	7.5	U	U	7.5	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	67-66-3	Chloroform	7.5	U	U	7.5	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	71-55-6	1,1,1-Trichloroethane	7.5	U	U	7.5	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	110-82-7	Cyclohexane	7.5	U	U	7.5	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	56-23-5	Carbon tetrachloride	7.5	U	U	7.5	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	71-43-2	Benzene	7.5	U	U	7.5	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	107-06-2	1,2-Dichloroethane	7.5	U	U	7.5	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	79-01-6	Trichloroethene	7.5	U	U	7.5	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	108-87-2	Methylcyclohexane	7.5	U	U	7.5	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	78-87-5	1,2-Dichloropropane	7.5	U	U	7.5	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	75-27-4	Bromodichloromethane	7.5	U	U	7.5	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	7.5	U	U	7.5	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	108-10-1	4-Methyl-2-pentanone	15	U	U	15	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	108-88-3	Toluene	7.5	JB	U	7.5	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	7.5	U	U	7.5	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	79-00-5	1,1,2-Trichloroethane	7.5	U	U	7.5	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	127-18-4	Tetrachloroethene	7.5	U	U	7.5	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	591-78-6	2-Hexanone	15	U	U	15	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	124-48-1	Dibromochloromethane	7.5	U	U	7.5	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	106-93-4	1,2-Dibromoethane	7.5	U	U	7.5	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	108-90-7	Chlorobenzene	7.5	U	U	7.5	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	100-41-4	Ethylbenzene	7.5	U	U	7.5	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	95-47-6	o-Xylene	7.5	U	U	7.5	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	179601-23-1	m,p-Xylene	7.5	U	U	7.5	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	100-42-5	Styrene	7.5	U	U	7.5	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	75-25-2	Bromoform	7.5	U	U	7.5	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	98-82-8	Isopropylbenzene	7.5	U	U	7.5	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	96-18-4	1,2,3-Trichloropropane	7.5	U	U	7.5	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	7.5	U	U	7.5	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	541-73-1	1,3-Dichlorobenzene	7.5	U	U	7.5	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	106-46-7	1,4-Dichlorobenzene	7.5	U	U	7.5	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	95-50-1	1,2-Dichlorobenzene	7.5	U	U	7.5	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	7.5	U	U	7.5	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	7.5	U	U	7.5	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	7.5	U	U	7.5	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	120-82-1	1,2,4-trichlorobenzene	7.5	U	U	7.5	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	7.5	U	U	7.5	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	000075-18-3	Dimethyl sulfide	4.0	JN	JN		ug/kg	6100-SED16A
BG5A6	Sediment	04/27/2021	1.0	75-71-8	Dichlorodifluoromethane	15	U	U	15	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	74-87-3	Chloromethane	15	U	U	15	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	75-01-4	Vinyl chloride	15	U	U	15	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	74-83-9	Bromomethane	15	U	U	15	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	75-00-3	Chloroethane	15	U	U	15	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	75-69-4	Trichlorofluoromethane	15	U	U	15	ug/kg	6100-SED17A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG5A6	Sediment	04/27/2021	1.0	75-35-4	1,1-Dichloroethene	15	U	U	15	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	15	U	U	15	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	67-64-1	Acetone	160			30	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	75-15-0	Carbon disulfide	4.3	J	J	15	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	79-20-9	Methyl Acetate	15	U	U	15	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	75-09-2	Methylene chloride	15	JB	U	15	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	156-60-5	trans-1,2-Dichloroethene	15	U	U	15	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	1634-04-4	Methyl tert-butyl Ether	15	U	U	15	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	75-34-3	1,1-Dichloroethane	15	U	U	15	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	156-59-2	cis-1,2-Dichloroethene	15	U	U	15	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	78-93-3	2-Butanone	44			30	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	74-97-5	Bromochloromethane	15	U	U	15	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	67-66-3	Chloroform	15	U	U	15	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	71-55-6	1,1,1-Trichloroethane	15	U	U	15	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	110-82-7	Cyclohexane	15	U	U	15	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	56-23-5	Carbon tetrachloride	15	U	U	15	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	71-43-2	Benzene	15	U	U	15	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	107-06-2	1,2-Dichloroethane	15	U	U	15	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	79-01-6	Trichloroethene	15	U	U	15	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	108-87-2	Methylcyclohexane	15	U	U	15	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	78-87-5	1,2-Dichloropropane	15	U	U	15	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	75-27-4	Bromodichloromethane	15	U	U	15	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	15	U	U	15	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	108-10-1	4-Methyl-2-pentanone	30	U	U	30	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	108-88-3	Toluene	15	JB	U	15	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	15	U	U	15	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	79-00-5	1,1,2-Trichloroethane	15	U	U	15	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	127-18-4	Tetrachloroethene	6.8	J	J	15	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	591-78-6	2-Hexanone	30	U	U	30	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	124-48-1	Dibromochloromethane	15	U	U	15	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	106-93-4	1,2-Dibromoethane	15	U	U	15	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	108-90-7	Chlorobenzene	15	U	U	15	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	100-41-4	Ethylbenzene	15	U	U	15	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	95-47-6	o-Xylene	15	U	U	15	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	179601-23-1	m,p-Xylene	15	U	U	15	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	100-42-5	Styrene	15	U	U	15	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	75-25-2	Bromoform	15	U	UJ	15	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	98-82-8	Isopropylbenzene	15	U	UJ	15	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	96-18-4	1,2,3-Trichloropropane	15	U	U	15	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	15	U	U	15	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	541-73-1	1,3-Dichlorobenzene	15	U	UJ	15	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	106-46-7	1,4-Dichlorobenzene	15	U	UJ	15	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	95-50-1	1,2-Dichlorobenzene	15	U	UJ	15	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	15	U	UJ	15	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	15	U	UJ	15	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	15	U	UJ	15	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	120-82-1	1,2,4-trichlorobenzene	15	U	UJ	15	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	15	U	UJ	15	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	029577-19-3	m-Cymene, 5-tert-butyl-	9.4	JN	JN		ug/kg	6100-SED17A
BG5A6ME	Sediment		1.0	75-71-8	Dichlorodifluoromethane	960	U	U	960	ug/kg	6100-SED17A
BG5A6ME	Sediment		1.0	74-87-3	Chloromethane	960	U	U	960	ug/kg	6100-SED17A
BG5A6ME	Sediment		1.0	75-01-4	Vinyl chloride	960	U	U	960	ug/kg	6100-SED17A
BG5A6ME	Sediment		1.0	74-83-9	Bromomethane	960	U	U	960	ug/kg	6100-SED17A
BG5A6ME	Sediment		1.0	75-00-3	Chloroethane	960	U	U	960	ug/kg	6100-SED17A
BG5A6ME	Sediment		1.0	75-69-4	Trichlorofluoromethane	960	U	U	960	ug/kg	6100-SED17A
BG5A6ME	Sediment		1.0	75-35-4	1,1-Dichloroethene	960	U	U	960	ug/kg	6100-SED17A
BG5A6ME	Sediment		1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	960	U	U	960	ug/kg	6100-SED17A
BG5A6ME	Sediment		1.0	67-64-1	Acetone	1900	U	U	1900	ug/kg	6100-SED17A
BG5A6ME	Sediment		1.0	75-15-0	Carbon disulfide	960	U	U	960	ug/kg	6100-SED17A
BG5A6ME	Sediment		1.0	79-20-9	Methyl Acetate	960	U	U	960	ug/kg	6100-SED17A
BG5A6ME	Sediment		1.0	75-09-2	Methylene chloride	960	U	U	960	ug/kg	6100-SED17A
BG5A6ME	Sediment		1.0	156-60-5	trans-1,2-Dichloroethene	960	U	U	960	ug/kg	6100-SED17A
BG5A6ME	Sediment		1.0	1634-04-4	Methyl tert-butyl Ether	960	U	U	960	ug/kg	6100-SED17A
BG5A6ME	Sediment		1.0	75-34-3	1,1-Dichloroethane	960	U	U	960	ug/kg	6100-SED17A
BG5A6ME	Sediment		1.0	156-59-2	cis-1,2-Dichloroethene	960	U	U	960	ug/kg	6100-SED17A
BG5A6ME	Sediment		1.0	78-93-3	2-Butanone	1900	U	U	1900	ug/kg	6100-SED17A
BG5A6ME	Sediment		1.0	74-97-5	Bromochloromethane	960	U	U	960	ug/kg	6100-SED17A
BG5A6ME	Sediment		1.0	67-66-3	Chloroform	960	U	U	960	ug/kg	6100-SED17A
BG5A6ME	Sediment		1.0	71-55-6	1,1,1-Trichloroethane	960	U	U	960	ug/kg	6100-SED17A
BG5A6ME	Sediment		1.0	110-82-7	Cyclohexane	960	U	U	960	ug/kg	6100-SED17A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG5A6ME	Sediment		1.0	56-23-5	Carbon tetrachloride	960	U	U	960	ug/kg	6100-SED17A
BG5A6ME	Sediment		1.0	71-43-2	Benzene	960	U	U	960	ug/kg	6100-SED17A
BG5A6ME	Sediment		1.0	107-06-2	1,2-Dichloroethane	960	U	U	960	ug/kg	6100-SED17A
BG5A6ME	Sediment		1.0	79-01-6	Trichloroethene	960	U	U	960	ug/kg	6100-SED17A
BG5A6ME	Sediment		1.0	108-87-2	Methylcyclohexane	960	U	U	960	ug/kg	6100-SED17A
BG5A6ME	Sediment		1.0	78-87-5	1,2-Dichloropropane	960	U	U	960	ug/kg	6100-SED17A
BG5A6ME	Sediment		1.0	75-27-4	Bromodichloromethane	960	U	U	960	ug/kg	6100-SED17A
BG5A6ME	Sediment		1.0	10061-01-5	cis-1,3-Dichloropropene	960	U	U	960	ug/kg	6100-SED17A
BG5A6ME	Sediment		1.0	108-10-1	4-Methyl-2-pentanone	1900	U	U	1900	ug/kg	6100-SED17A
BG5A6ME	Sediment		1.0	108-88-3	Toluene	960	U	U	960	ug/kg	6100-SED17A
BG5A6ME	Sediment		1.0	10061-02-6	trans-1,3-Dichloropropene	960	U	U	960	ug/kg	6100-SED17A
BG5A6ME	Sediment		1.0	79-00-5	1,1,2-Trichloroethane	960	U	U	960	ug/kg	6100-SED17A
BG5A6ME	Sediment		1.0	127-18-4	Tetrachloroethene	960	U	U	960	ug/kg	6100-SED17A
BG5A6ME	Sediment		1.0	591-78-6	2-Hexanone	1900	U	U	1900	ug/kg	6100-SED17A
BG5A6ME	Sediment		1.0	124-48-1	Dibromochloromethane	960	U	U	960	ug/kg	6100-SED17A
BG5A6ME	Sediment		1.0	106-93-4	1,2-Dibromoethane	960	U	U	960	ug/kg	6100-SED17A
BG5A6ME	Sediment		1.0	108-90-7	Chlorobenzene	960	U	U	960	ug/kg	6100-SED17A
BG5A6ME	Sediment		1.0	100-41-4	Ethylbenzene	960	U	U	960	ug/kg	6100-SED17A
BG5A6ME	Sediment		1.0	95-47-6	o-Xylene	960	U	U	960	ug/kg	6100-SED17A
BG5A6ME	Sediment		1.0	179601-23-1	m,p-Xylene	960	U	U	960	ug/kg	6100-SED17A
BG5A6ME	Sediment		1.0	100-42-5	Styrene	960	U	U	960	ug/kg	6100-SED17A
BG5A6ME	Sediment		1.0	75-25-2	Bromoform	960	U	U	960	ug/kg	6100-SED17A
BG5A6ME	Sediment		1.0	98-82-8	Isopropylbenzene	960	U	U	960	ug/kg	6100-SED17A
BG5A6ME	Sediment		1.0	96-18-4	1,2,3-Trichloropropane	960	U	U	960	ug/kg	6100-SED17A
BG5A6ME	Sediment		1.0	79-34-5	1,1,2,2-Tetrachloroethane	960	U	U	960	ug/kg	6100-SED17A
BG5A6ME	Sediment		1.0	541-73-1	1,3-Dichlorobenzene	960	U	U	960	ug/kg	6100-SED17A
BG5A6ME	Sediment		1.0	106-46-7	1,4-Dichlorobenzene	960	U	U	960	ug/kg	6100-SED17A
BG5A6ME	Sediment		1.0	95-50-1	1,2-Dichlorobenzene	960	U	U	960	ug/kg	6100-SED17A
BG5A6ME	Sediment		1.0	96-12-8	1,2-Dibromo-3-chloropropane	960	U	U	960	ug/kg	6100-SED17A
BG5A6ME	Sediment		1.0	95-63-6	1,2,4-Trimethylbenzene	960	U	U	960	ug/kg	6100-SED17A
BG5A6ME	Sediment		1.0	108-67-8	1,3,5-Trimethylbenzene	960	U	U	960	ug/kg	6100-SED17A
BG5A6ME	Sediment		1.0	120-82-1	1,2,4-trichlorobenzene	960	U	U	960	ug/kg	6100-SED17A
BG5A6ME	Sediment		1.0	87-61-6	1,2,3-Trichlorobenzene	960	U	U	960	ug/kg	6100-SED17A
BG5A6ME	Sediment		1.0	E966796	Total Alkanes		N	N		ug/kg	6100-SED17A
BG5A9	Sediment	04/27/2021	1.0	75-71-8	Dichlorodifluoromethane	6.1	U	U	6.1	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	74-87-3	Chloromethane	6.1	U	U	6.1	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	75-01-4	Vinyl chloride	6.1	U	U	6.1	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	74-83-9	Bromomethane	6.1	U	U	6.1	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	75-00-3	Chloroethane	6.1	U	U	6.1	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	75-69-4	Trichlorofluoromethane	6.1	U	U	6.1	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	75-35-4	1,1-Dichloroethene	6.1	U	U	6.1	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6.1	U	U	6.1	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	67-64-1	Acetone	32			12	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	75-15-0	Carbon disulfide	6.1	U	U	6.1	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	79-20-9	Methyl Acetate	6.1	U	U	6.1	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	75-09-2	Methylene chloride	6.8		U	6.1	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	156-60-5	trans-1,2-Dichloroethene	6.1	U	U	6.1	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	1634-04-4	Methyl tert-butyl Ether	6.1	U	U	6.1	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	75-34-3	1,1-Dichloroethane	6.1	U	U	6.1	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	156-59-2	cis-1,2-Dichloroethene	6.1	U	U	6.1	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	78-93-3	2-Butanone	12	U	U	12	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	74-97-5	Bromochloromethane	6.1	U	U	6.1	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	67-66-3	Chloroform	6.1	U	U	6.1	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	71-55-6	1,1,1-Trichloroethane	6.1	U	U	6.1	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	110-82-7	Cyclohexane	6.1	U	U	6.1	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	56-23-5	Carbon tetrachloride	6.1	U	U	6.1	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	71-43-2	Benzene	6.1	U	U	6.1	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	107-06-2	1,2-Dichloroethane	6.1	U	U	6.1	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	79-01-6	Trichloroethene	6.1	U	U	6.1	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	108-87-2	Methylcyclohexane	6.1	U	U	6.1	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	78-87-5	1,2-Dichloropropane	6.1	U	U	6.1	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	75-27-4	Bromodichloromethane	6.1	U	U	6.1	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	6.1	U	U	6.1	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	108-10-1	4-Methyl-2-pentanone	12	U	U	12	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	108-88-3	Toluene	6.1	JB	U	6.1	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	6.1	U	U	6.1	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	79-00-5	1,1,2-Trichloroethane	6.1	U	U	6.1	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	127-18-4	Tetrachloroethene	6.1	U	U	6.1	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	591-78-6	2-Hexanone	12	U	U	12	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	124-48-1	Dibromochloromethane	6.1	U	U	6.1	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	106-93-4	1,2-Dibromoethane	6.1	U	U	6.1	ug/kg	6100-SED18A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG5A9	Sediment	04/27/2021	1.0	108-90-7	Chlorobenzene	6.1	U	U	6.1	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	100-41-4	Ethylbenzene	6.1	U	U	6.1	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	95-47-6	o-Xylene	6.1	U	U	6.1	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	179601-23-1	m,p-Xylene	6.1	U	U	6.1	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	100-42-5	Styrene	6.1	U	U	6.1	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	75-25-2	Bromoform	6.1	U	U	6.1	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	98-82-8	Isopropylbenzene	6.1	U	U	6.1	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	96-18-4	1,2,3-Trichloropropane	6.1	U	U	6.1	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	6.1	U	U	6.1	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	541-73-1	1,3-Dichlorobenzene	6.1	U	U	6.1	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	106-46-7	1,4-Dichlorobenzene	6.1	U	U	6.1	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	95-50-1	1,2-Dichlorobenzene	6.1	U	U	6.1	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	6.1	U	U	6.1	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	6.1	U	U	6.1	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	6.1	U	U	6.1	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	120-82-1	1,2,4-trichlorobenzene	6.1	U	U	6.1	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	6.1	U	U	6.1	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	000075-18-3	Dimethyl sulfide	7.7	JN	JN		ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	6100-SED18A
BG5B2	Sediment	04/27/2021	1.0	75-71-8	Dichlorodifluoromethane	25	U	U	25	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	74-87-3	Chloromethane	25	U	U	25	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	75-01-4	Vinyl chloride	25	U	U	25	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	74-83-9	Bromomethane	25	U	U	25	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	75-00-3	Chloroethane	25	U	U	25	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	75-69-4	Trichlorofluoromethane	25	U	U	25	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	75-35-4	1,1-Dichloroethene	25	U	U	25	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	25	U	U	25	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	67-64-1	Acetone	260			49	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	75-15-0	Carbon disulfide	9.9	J	J	25	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	79-20-9	Methyl Acetate	25	U	U	25	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	75-09-2	Methylene chloride	25	JB	U	25	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	156-60-5	trans-1,2-Dichloroethene	25	U	U	25	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	1634-04-4	Methyl tert-butyl Ether	25	U	U	25	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	75-34-3	1,1-Dichloroethane	25	U	U	25	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	156-59-2	cis-1,2-Dichloroethene	25	U	U	25	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	78-93-3	2-Butanone	76			49	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	74-97-5	Bromochloromethane	25	U	U	25	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	67-66-3	Chloroform	25	U	U	25	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	71-55-6	1,1,1-Trichloroethane	25	U	U	25	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	110-82-7	Cyclohexane	25	U	U	25	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	56-23-5	Carbon tetrachloride	25	U	U	25	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	71-43-2	Benzene	25	U	U	25	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	107-06-2	1,2-Dichloroethane	25	U	U	25	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	79-01-6	Trichloroethene	25	U	U	25	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	108-87-2	Methylcyclohexane	25	U	U	25	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	78-87-5	1,2-Dichloropropane	25	U	U	25	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	75-27-4	Bromodichloromethane	25	U	U	25	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	25	U	U	25	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	108-10-1	4-Methyl-2-pentanone	49	U	U	49	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	108-88-3	Toluene	25	JB	U	25	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	25	U	U	25	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	79-00-5	1,1,2-Trichloroethane	25	U	U	25	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	127-18-4	Tetrachloroethene	16	J	J	25	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	591-78-6	2-Hexanone	49	U	U	49	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	124-48-1	Dibromochloromethane	25	U	U	25	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	106-93-4	1,2-Dibromoethane	25	U	U	25	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	108-90-7	Chlorobenzene	25	U	U	25	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	100-41-4	Ethylbenzene	25	U	U	25	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	95-47-6	o-Xylene	25	U	U	25	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	179601-23-1	m,p-Xylene	25	U	U	25	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	100-42-5	Styrene	25	U	U	25	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	75-25-2	Bromoform	25	U	UJ	25	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	98-82-8	Isopropylbenzene	25	U	UJ	25	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	96-18-4	1,2,3-Trichloropropane	25	U	U	25	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	25	U	U	25	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	541-73-1	1,3-Dichlorobenzene	25	U	UJ	25	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	106-46-7	1,4-Dichlorobenzene	25	U	UJ	25	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	95-50-1	1,2-Dichlorobenzene	25	U	UJ	25	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	25	U	UJ	25	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	25	U	UJ	25	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	25	U	UJ	25	ug/kg	6100-SED19A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG5B2	Sediment	04/27/2021	1.0	120-82-1	1,2,4-trichlorobenzene	25	U	UJ	25	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	25	U	UJ	25	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	unknown-01	unknown-01	21	J	J		ug/kg	6100-SED19A
BG5B2ME	Sediment		1.0	75-71-8	Dichlorodifluoromethane	1700	U	U	1700	ug/kg	6100-SED19A
BG5B2ME	Sediment		1.0	74-87-3	Chloromethane	1700	U	U	1700	ug/kg	6100-SED19A
BG5B2ME	Sediment		1.0	75-01-4	Vinyl chloride	1700	U	U	1700	ug/kg	6100-SED19A
BG5B2ME	Sediment		1.0	74-83-9	Bromomethane	1700	U	U	1700	ug/kg	6100-SED19A
BG5B2ME	Sediment		1.0	75-00-3	Chloroethane	1700	U	U	1700	ug/kg	6100-SED19A
BG5B2ME	Sediment		1.0	75-69-4	Trichlorofluoromethane	1700	U	U	1700	ug/kg	6100-SED19A
BG5B2ME	Sediment		1.0	75-35-4	1,1-Dichloroethene	1700	U	U	1700	ug/kg	6100-SED19A
BG5B2ME	Sediment		1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1700	U	U	1700	ug/kg	6100-SED19A
BG5B2ME	Sediment		1.0	67-64-1	Acetone	3400	U	U	3400	ug/kg	6100-SED19A
BG5B2ME	Sediment		1.0	75-15-0	Carbon disulfide	1700	U	U	1700	ug/kg	6100-SED19A
BG5B2ME	Sediment		1.0	79-20-9	Methyl Acetate	1700	U	U	1700	ug/kg	6100-SED19A
BG5B2ME	Sediment		1.0	75-09-2	Methylene chloride	1700	U	U	1700	ug/kg	6100-SED19A
BG5B2ME	Sediment		1.0	156-60-5	trans-1,2-Dichloroethene	1700	U	U	1700	ug/kg	6100-SED19A
BG5B2ME	Sediment		1.0	1634-04-4	Methyl tert-butyl Ether	1700	U	U	1700	ug/kg	6100-SED19A
BG5B2ME	Sediment		1.0	75-34-3	1,1-Dichloroethane	1700	U	U	1700	ug/kg	6100-SED19A
BG5B2ME	Sediment		1.0	156-59-2	cis-1,2-Dichloroethene	1700	U	U	1700	ug/kg	6100-SED19A
BG5B2ME	Sediment		1.0	78-93-3	2-Butanone	3400	U	U	3400	ug/kg	6100-SED19A
BG5B2ME	Sediment		1.0	74-97-5	Bromochloromethane	1700	U	U	1700	ug/kg	6100-SED19A
BG5B2ME	Sediment		1.0	67-66-3	Chloroform	1700	U	U	1700	ug/kg	6100-SED19A
BG5B2ME	Sediment		1.0	71-55-6	1,1,1-Trichloroethane	1700	U	U	1700	ug/kg	6100-SED19A
BG5B2ME	Sediment		1.0	110-82-7	Cyclohexane	1700	U	U	1700	ug/kg	6100-SED19A
BG5B2ME	Sediment		1.0	56-23-5	Carbon tetrachloride	1700	U	U	1700	ug/kg	6100-SED19A
BG5B2ME	Sediment		1.0	71-43-2	Benzene	1700	U	U	1700	ug/kg	6100-SED19A
BG5B2ME	Sediment		1.0	107-06-2	1,2-Dichloroethane	1700	U	U	1700	ug/kg	6100-SED19A
BG5B2ME	Sediment		1.0	79-01-6	Trichloroethene	1700	U	U	1700	ug/kg	6100-SED19A
BG5B2ME	Sediment		1.0	108-87-2	Methylcyclohexane	1700	U	U	1700	ug/kg	6100-SED19A
BG5B2ME	Sediment		1.0	78-87-5	1,2-Dichloropropane	1700	U	U	1700	ug/kg	6100-SED19A
BG5B2ME	Sediment		1.0	75-27-4	Bromodichloromethane	1700	U	U	1700	ug/kg	6100-SED19A
BG5B2ME	Sediment		1.0	10061-01-5	cis-1,3-Dichloropropene	1700	U	U	1700	ug/kg	6100-SED19A
BG5B2ME	Sediment		1.0	108-10-1	4-Methyl-2-pentanone	3400	U	U	3400	ug/kg	6100-SED19A
BG5B2ME	Sediment		1.0	108-88-3	Toluene	1700	U	U	1700	ug/kg	6100-SED19A
BG5B2ME	Sediment		1.0	10061-02-6	trans-1,3-Dichloropropene	1700	U	U	1700	ug/kg	6100-SED19A
BG5B2ME	Sediment		1.0	79-00-5	1,1,2-Trichloroethane	1700	U	U	1700	ug/kg	6100-SED19A
BG5B2ME	Sediment		1.0	127-18-4	Tetrachloroethene	1700	U	U	1700	ug/kg	6100-SED19A
BG5B2ME	Sediment		1.0	591-78-6	2-Hexanone	3400	U	U	3400	ug/kg	6100-SED19A
BG5B2ME	Sediment		1.0	124-48-1	Dibromochloromethane	1700	U	U	1700	ug/kg	6100-SED19A
BG5B2ME	Sediment		1.0	106-93-4	1,2-Dibromoethane	1700	U	U	1700	ug/kg	6100-SED19A
BG5B2ME	Sediment		1.0	108-90-7	Chlorobenzene	1700	U	U	1700	ug/kg	6100-SED19A
BG5B2ME	Sediment		1.0	100-41-4	Ethylbenzene	1700	U	U	1700	ug/kg	6100-SED19A
BG5B2ME	Sediment		1.0	95-47-6	o-Xylene	1700	U	U	1700	ug/kg	6100-SED19A
BG5B2ME	Sediment		1.0	179601-23-1	m,p-Xylene	1700	U	U	1700	ug/kg	6100-SED19A
BG5B2ME	Sediment		1.0	100-42-5	Styrene	1700	U	U	1700	ug/kg	6100-SED19A
BG5B2ME	Sediment		1.0	75-25-2	Bromoform	1700	U	U	1700	ug/kg	6100-SED19A
BG5B2ME	Sediment		1.0	98-82-8	Isopropylbenzene	1700	U	U	1700	ug/kg	6100-SED19A
BG5B2ME	Sediment		1.0	96-18-4	1,2,3-Trichloropropane	1700	U	U	1700	ug/kg	6100-SED19A
BG5B2ME	Sediment		1.0	79-34-5	1,1,2,2-Tetrachloroethane	1700	U	U	1700	ug/kg	6100-SED19A
BG5B2ME	Sediment		1.0	541-73-1	1,3-Dichlorobenzene	1700	U	U	1700	ug/kg	6100-SED19A
BG5B2ME	Sediment		1.0	106-46-7	1,4-Dichlorobenzene	1700	U	U	1700	ug/kg	6100-SED19A
BG5B2ME	Sediment		1.0	95-50-1	1,2-Dichlorobenzene	1700	U	U	1700	ug/kg	6100-SED19A
BG5B2ME	Sediment		1.0	96-12-8	1,2-Dibromo-3-chloropropane	1700	U	U	1700	ug/kg	6100-SED19A
BG5B2ME	Sediment		1.0	95-63-6	1,2,4-Trimethylbenzene	1700	U	U	1700	ug/kg	6100-SED19A
BG5B2ME	Sediment		1.0	108-67-8	1,3,5-Trimethylbenzene	1700	U	U	1700	ug/kg	6100-SED19A
BG5B2ME	Sediment		1.0	120-82-1	1,2,4-trichlorobenzene	1700	U	U	1700	ug/kg	6100-SED19A
BG5B2ME	Sediment		1.0	87-61-6	1,2,3-Trichlorobenzene	1700	U	U	1700	ug/kg	6100-SED19A
BG5B2ME	Sediment		1.0	unknown-01	unknown-01	870	JB	JB		ug/kg	6100-SED19A
BG5B2ME	Sediment		1.0	E966796	Total Alkanes		N	N		ug/kg	6100-SED19A
BG5B5	Sediment	04/27/2021	1.0	75-71-8	Dichlorodifluoromethane	10	U	U	10	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	74-87-3	Chloromethane	10	U	U	10	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	75-01-4	Vinyl chloride	10	U	U	10	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	74-83-9	Bromomethane	10	U	U	10	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	75-00-3	Chloroethane	10	U	U	10	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	75-69-4	Trichlorofluoromethane	10	U	U	10	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	75-35-4	1,1-Dichloroethene	10	U	U	10	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	U	10	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	67-64-1	Acetone	66			21	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	75-15-0	Carbon disulfide	3.4	J	J	10	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	79-20-9	Methyl Acetate	10	U	U	10	ug/kg	6100-SED20A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG5B5	Sediment	04/27/2021	1.0	75-09-2	Methylene chloride	12	B		10	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	156-60-5	trans-1,2-Dichloroethene	10	U	U	10	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	1634-04-4	Methyl tert-butyl Ether	10	U	U	10	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	75-34-3	1,1-Dichloroethane	10	U	U	10	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	156-59-2	cis-1,2-Dichloroethene	10	U	U	10	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	78-93-3	2-Butanone	19	J	J	21	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	74-97-5	Bromochloromethane	10	U	U	10	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	67-66-3	Chloroform	10	U	U	10	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	71-55-6	1,1,1-Trichloroethane	10	U	U	10	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	110-82-7	Cyclohexane	10	U	U	10	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	56-23-5	Carbon tetrachloride	10	U	U	10	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	71-43-2	Benzene	10	U	U	10	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	107-06-2	1,2-Dichloroethane	10	U	U	10	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	79-01-6	Trichloroethene	10	U	U	10	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	108-87-2	Methylcyclohexane	10	U	U	10	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	78-87-5	1,2-Dichloropropane	10	U	U	10	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	75-27-4	Bromodichloromethane	10	U	U	10	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	10	U	U	10	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	108-10-1	4-Methyl-2-pentanone	21	U	U	21	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	108-88-3	Toluene	10	JB	U	10	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	10	U	U	10	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	79-00-5	1,1,2-Trichloroethane	10	U	U	10	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	127-18-4	Tetrachloroethene	5.0	J	J	10	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	591-78-6	2-Hexanone	21	U	U	21	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	124-48-1	Dibromochloromethane	10	U	U	10	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	106-93-4	1,2-Dibromoethane	10	U	U	10	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	108-90-7	Chlorobenzene	10	U	U	10	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	100-41-4	Ethylbenzene	10	U	U	10	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	95-47-6	o-Xylene	10	U	U	10	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	179601-23-1	m,p-Xylene	10	U	U	10	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	100-42-5	Styrene	10	U	U	10	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	75-25-2	Bromoform	10	U	U	10	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	98-82-8	Isopropylbenzene	10	U	U	10	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	96-18-4	1,2,3-Trichloropropane	10	U	U	10	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	10	U	U	10	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	541-73-1	1,3-Dichlorobenzene	10	U	U	10	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	106-46-7	1,4-Dichlorobenzene	10	U	U	10	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	95-50-1	1,2-Dichlorobenzene	10	U	U	10	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	10	U	U	10	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	10	U	U	10	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	10	U	U	10	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	120-82-1	1,2,4-trichlorobenzene	10	U	U	10	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	10	U	U	10	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	6100-SED20A
VBLK112		04/30/2021	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	74-87-3	Chloromethane	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	75-01-4	Vinyl chloride	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	74-83-9	Bromomethane	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	75-00-3	Chloroethane	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	67-64-1	Acetone	10	U	U	10	ug/kg	
VBLK112		04/30/2021	1.0	75-15-0	Carbon disulfide	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	79-20-9	Methyl Acetate	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	75-09-2	Methylene chloride	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	78-93-3	2-Butanone	10	U	U	10	ug/kg	
VBLK112		04/30/2021	1.0	74-97-5	Bromochloromethane	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	67-66-3	Chloroform	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	110-82-7	Cyclohexane	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	71-43-2	Benzene	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	79-01-6	Trichloroethene	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5.0	ug/kg	

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
VBLK112		04/30/2021	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/kg	
VBLK112		04/30/2021	1.0	108-88-3	Toluene	0.66	J	J	5.0	ug/kg	
VBLK112		04/30/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/kg	
VBLK112		04/30/2021	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	108-90-7	Chlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	100-41-4	Ethylbenzene	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	95-47-6	o-Xylene	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	100-42-5	Styrene	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	75-25-2	Bromoform	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	96-18-4	1,2,3-Trichloropropane	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	
VBLK113		05/03/2021	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5.0	ug/kg	
VBLK113		05/03/2021	1.0	74-87-3	Chloromethane	5.0	U	U	5.0	ug/kg	
VBLK113		05/03/2021	1.0	75-01-4	Vinyl chloride	5.0	U	U	5.0	ug/kg	
VBLK113		05/03/2021	1.0	74-83-9	Bromomethane	5.0	U	U	5.0	ug/kg	
VBLK113		05/03/2021	1.0	75-00-3	Chloroethane	5.0	U	U	5.0	ug/kg	
VBLK113		05/03/2021	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5.0	ug/kg	
VBLK113		05/03/2021	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5.0	ug/kg	
VBLK113		05/03/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5.0	ug/kg	
VBLK113		05/03/2021	1.0	67-64-1	Acetone	10	U	U	10	ug/kg	
VBLK113		05/03/2021	1.0	75-15-0	Carbon disulfide	5.0	U	U	5.0	ug/kg	
VBLK113		05/03/2021	1.0	79-20-9	Methyl Acetate	5.0	U	U	5.0	ug/kg	
VBLK113		05/03/2021	1.0	75-09-2	Methylene chloride	4.1	J	J	5.0	ug/kg	
VBLK113		05/03/2021	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5.0	ug/kg	
VBLK113		05/03/2021	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5.0	ug/kg	
VBLK113		05/03/2021	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5.0	ug/kg	
VBLK113		05/03/2021	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5.0	ug/kg	
VBLK113		05/03/2021	1.0	78-93-3	2-Butanone	10	U	U	10	ug/kg	
VBLK113		05/03/2021	1.0	74-97-5	Bromochloromethane	5.0	U	U	5.0	ug/kg	
VBLK113		05/03/2021	1.0	67-66-3	Chloroform	5.0	U	U	5.0	ug/kg	
VBLK113		05/03/2021	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5.0	ug/kg	
VBLK113		05/03/2021	1.0	110-82-7	Cyclohexane	5.0	U	U	5.0	ug/kg	
VBLK113		05/03/2021	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5.0	ug/kg	
VBLK113		05/03/2021	1.0	71-43-2	Benzene	5.0	U	U	5.0	ug/kg	
VBLK113		05/03/2021	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5.0	ug/kg	
VBLK113		05/03/2021	1.0	79-01-6	Trichloroethene	5.0	U	U	5.0	ug/kg	
VBLK113		05/03/2021	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5.0	ug/kg	
VBLK113		05/03/2021	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5.0	ug/kg	
VBLK113		05/03/2021	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5.0	ug/kg	
VBLK113		05/03/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5.0	ug/kg	
VBLK113		05/03/2021	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/kg	
VBLK113		05/03/2021	1.0	108-88-3	Toluene	0.66	J	J	5.0	ug/kg	
VBLK113		05/03/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5.0	ug/kg	
VBLK113		05/03/2021	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5.0	ug/kg	
VBLK113		05/03/2021	1.0	127-18-4	Tetrachloroethene	5.0	U	UJ	5.0	ug/kg	
VBLK113		05/03/2021	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/kg	
VBLK113		05/03/2021	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5.0	ug/kg	
VBLK113		05/03/2021	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5.0	ug/kg	
VBLK113		05/03/2021	1.0	108-90-7	Chlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK113		05/03/2021	1.0	100-41-4	Ethylbenzene	5.0	U	U	5.0	ug/kg	
VBLK113		05/03/2021	1.0	95-47-6	o-Xylene	5.0	U	U	5.0	ug/kg	
VBLK113		05/03/2021	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5.0	ug/kg	
VBLK113		05/03/2021	1.0	100-42-5	Styrene	5.0	U	U	5.0	ug/kg	
VBLK113		05/03/2021	1.0	75-25-2	Bromoform	5.0	U	U	5.0	ug/kg	

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
VBLK113		05/03/2021	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5.0	ug/kg	
VBLK113		05/03/2021	1.0	96-18-4	1,2,3-Trichloropropane	5.0	U	U	5.0	ug/kg	
VBLK113		05/03/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5.0	ug/kg	
VBLK113		05/03/2021	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK113		05/03/2021	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK113		05/03/2021	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK113		05/03/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5.0	ug/kg	
VBLK113		05/03/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	5.0	U	U	5.0	ug/kg	
VBLK113		05/03/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	5.0	U	U	5.0	ug/kg	
VBLK113		05/03/2021	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK113		05/03/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK113		05/03/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	
VBLK116		05/06/2021	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	74-87-3	Chloromethane	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	75-01-4	Vinyl chloride	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	74-83-9	Bromomethane	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	75-00-3	Chloroethane	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	67-64-1	Acetone	10	U	U	10	ug/kg	
VBLK116		05/06/2021	1.0	75-15-0	Carbon disulfide	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	79-20-9	Methyl Acetate	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	75-09-2	Methylene chloride	5.1			5.0	ug/kg	
VBLK116		05/06/2021	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	78-93-3	2-Butanone	10	U	U	10	ug/kg	
VBLK116		05/06/2021	1.0	74-97-5	Bromochloromethane	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	67-66-3	Chloroform	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	110-82-7	Cyclohexane	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	71-43-2	Benzene	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	79-01-6	Trichloroethene	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/kg	
VBLK116		05/06/2021	1.0	108-88-3	Toluene	0.64	J	J	5.0	ug/kg	
VBLK116		05/06/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/kg	
VBLK116		05/06/2021	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	108-90-7	Chlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	100-41-4	Ethylbenzene	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	95-47-6	o-Xylene	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	100-42-5	Styrene	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	75-25-2	Bromoform	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	96-18-4	1,2,3-Trichloropropane	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK116		05/06/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	
VBLK181		05/04/2021	1.0	75-71-8	Dichlorodifluoromethane	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	74-87-3	Chloromethane	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	75-01-4	Vinyl chloride	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	74-83-9	Bromomethane	250	U	U	250	ug/kg	

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
VBLK181		05/04/2021	1.0	75-00-3	Chloroethane	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	75-69-4	Trichlorofluoromethane	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	75-35-4	1,1-Dichloroethene	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	67-64-1	Acetone	500	U	U	500	ug/kg	
VBLK181		05/04/2021	1.0	75-15-0	Carbon disulfide	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	79-20-9	Methyl Acetate	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	75-09-2	Methylene chloride	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	156-60-5	trans-1,2-Dichloroethene	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	1634-04-4	Methyl tert-butyl Ether	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	75-34-3	1,1-Dichloroethane	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	156-59-2	cis-1,2-Dichloroethene	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	78-93-3	2-Butanone	500	U	U	500	ug/kg	
VBLK181		05/04/2021	1.0	74-97-5	Bromochloromethane	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	67-66-3	Chloroform	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	71-55-6	1,1,1-Trichloroethane	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	110-82-7	Cyclohexane	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	56-23-5	Carbon tetrachloride	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	71-43-2	Benzene	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	107-06-2	1,2-Dichloroethane	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	79-01-6	Trichloroethene	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	108-87-2	Methylcyclohexane	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	78-87-5	1,2-Dichloropropane	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	75-27-4	Bromodichloromethane	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	108-10-1	4-Methyl-2-pentanone	500	U	U	500	ug/kg	
VBLK181		05/04/2021	1.0	108-88-3	Toluene	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	79-00-5	1,1,2-Trichloroethane	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	127-18-4	Tetrachloroethene	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	591-78-6	2-Hexanone	500	U	U	500	ug/kg	
VBLK181		05/04/2021	1.0	124-48-1	Dibromochloromethane	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	106-93-4	1,2-Dibromoethane	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	108-90-7	Chlorobenzene	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	100-41-4	Ethylbenzene	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	95-47-6	o-Xylene	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	179601-23-1	m,p-Xylene	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	100-42-5	Styrene	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	75-25-2	Bromoform	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	98-82-8	Isopropylbenzene	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	96-18-4	1,2,3-Trichloropropane	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	541-73-1	1,3-Dichlorobenzene	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	106-46-7	1,4-Dichlorobenzene	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	95-50-1	1,2-Dichlorobenzene	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	120-82-1	1,2,4-trichlorobenzene	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	250	U	U	250	ug/kg	
VBLK181		05/04/2021	1.0	unknown-01	unknown-01	130	J	J		ug/kg	
VBLK181		05/04/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	
VHBLK001		05/06/2021	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5.0	ug/kg	
VHBLK001		05/06/2021	1.0	74-87-3	Chloromethane	5.0	U	U	5.0	ug/kg	
VHBLK001		05/06/2021	1.0	75-01-4	Vinyl chloride	5.0	U	U	5.0	ug/kg	
VHBLK001		05/06/2021	1.0	74-83-9	Bromomethane	5.0	U	U	5.0	ug/kg	
VHBLK001		05/06/2021	1.0	75-00-3	Chloroethane	5.0	U	U	5.0	ug/kg	
VHBLK001		05/06/2021	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5.0	ug/kg	
VHBLK001		05/06/2021	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5.0	ug/kg	
VHBLK001		05/06/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5.0	ug/kg	
VHBLK001		05/06/2021	1.0	67-64-1	Acetone	10	U	U	10	ug/kg	
VHBLK001		05/06/2021	1.0	75-15-0	Carbon disulfide	5.0	U	U	5.0	ug/kg	
VHBLK001		05/06/2021	1.0	79-20-9	Methyl Acetate	5.0	U	U	5.0	ug/kg	
VHBLK001		05/06/2021	1.0	75-09-2	Methylene chloride	5.2	B		5.0	ug/kg	
VHBLK001		05/06/2021	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5.0	ug/kg	
VHBLK001		05/06/2021	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5.0	ug/kg	
VHBLK001		05/06/2021	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5.0	ug/kg	
VHBLK001		05/06/2021	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5.0	ug/kg	
VHBLK001		05/06/2021	1.0	78-93-3	2-Butanone	10	U	U	10	ug/kg	
VHBLK001		05/06/2021	1.0	74-97-5	Bromochloromethane	5.0	U	U	5.0	ug/kg	
VHBLK001		05/06/2021	1.0	67-66-3	Chloroform	5.0	U	U	5.0	ug/kg	

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
VHBLK001		05/06/2021	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5.0	ug/kg	
VHBLK001		05/06/2021	1.0	110-82-7	Cyclohexane	5.0	U	U	5.0	ug/kg	
VHBLK001		05/06/2021	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5.0	ug/kg	
VHBLK001		05/06/2021	1.0	71-43-2	Benzene	5.0	U	U	5.0	ug/kg	
VHBLK001		05/06/2021	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5.0	ug/kg	
VHBLK001		05/06/2021	1.0	79-01-6	Trichloroethene	5.0	U	U	5.0	ug/kg	
VHBLK001		05/06/2021	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5.0	ug/kg	
VHBLK001		05/06/2021	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5.0	ug/kg	
VHBLK001		05/06/2021	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5.0	ug/kg	
VHBLK001		05/06/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5.0	ug/kg	
VHBLK001		05/06/2021	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/kg	
VHBLK001		05/06/2021	1.0	108-88-3	Toluene	0.66	JB	J	5.0	ug/kg	
VHBLK001		05/06/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5.0	ug/kg	
VHBLK001		05/06/2021	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5.0	ug/kg	
VHBLK001		05/06/2021	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5.0	ug/kg	
VHBLK001		05/06/2021	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/kg	
VHBLK001		05/06/2021	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5.0	ug/kg	
VHBLK001		05/06/2021	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5.0	ug/kg	
VHBLK001		05/06/2021	1.0	108-90-7	Chlorobenzene	5.0	U	U	5.0	ug/kg	
VHBLK001		05/06/2021	1.0	100-41-4	Ethylbenzene	5.0	U	U	5.0	ug/kg	
VHBLK001		05/06/2021	1.0	95-47-6	o-Xylene	5.0	U	U	5.0	ug/kg	
VHBLK001		05/06/2021	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5.0	ug/kg	
VHBLK001		05/06/2021	1.0	100-42-5	Styrene	5.0	U	U	5.0	ug/kg	
VHBLK001		05/06/2021	1.0	75-25-2	Bromoform	5.0	U	U	5.0	ug/kg	
VHBLK001		05/06/2021	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5.0	ug/kg	
VHBLK001		05/06/2021	1.0	96-18-4	1,2,3-Trichloropropane	5.0	U	U	5.0	ug/kg	
VHBLK001		05/06/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5.0	ug/kg	
VHBLK001		05/06/2021	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VHBLK001		05/06/2021	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VHBLK001		05/06/2021	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VHBLK001		05/06/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5.0	ug/kg	
VHBLK001		05/06/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	5.0	U	U	5.0	ug/kg	
VHBLK001		05/06/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	5.0	U	U	5.0	ug/kg	
VHBLK001		05/06/2021	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5.0	ug/kg	
VHBLK001		05/06/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5.0	ug/kg	
VHBLK001		05/06/2021	1.0	003557-49-1	7H-Dibenzo[b,g]carbazole, 7-methyl-	5.2	JN	JN		ug/kg	
VHBLK001		05/06/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	
BG516	Sediment	04/27/2021	1.0	123-91-1	1,4-Dioxane	190	U	U	190	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	100-52-7	Benzaldehyde	940	U	U	940	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	108-95-2	Phenol	940	U	U	940	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	940	U	U	940	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	95-57-8	2-Chlorophenol	480	U	U	480	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	95-48-7	2-Methylphenol	940	U	U	940	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	940	U	U	940	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	98-86-2	Acetophenone	940	U	U	940	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	106-44-5	4-Methylphenol	940	U	U	940	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	480	U	U	480	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	67-72-1	Hexachloroethane	480	U	U	480	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	98-95-3	Nitrobenzene	480	U	U	480	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	78-59-1	Isophorone	480	U	U	480	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	88-75-5	2-Nitrophenol	480	U	U	480	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	105-67-9	2,4-Dimethylphenol	480	U	U	480	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	480	U	U	480	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	120-83-2	2,4-Dichlorophenol	480	U	U	480	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	91-20-3	Naphthalene	480	U	U	480	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	106-47-8	4-Chloroaniline	940	U	U	940	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	87-68-3	Hexachlorobutadiene	480	U	U	480	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	105-60-2	Caprolactam	940	U	U	940	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	59-50-7	4-Chloro-3-methylphenol	480	U	U	480	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	90-12-0	1-Methylnaphthalene	480	U	U	480	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	91-57-6	2-Methylnaphthalene	480	U	U	480	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	77-47-4	Hexachlorocyclopentadiene	940	U	U	940	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	88-06-2	2,4,6-Trichlorophenol	480	U	U	480	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	95-95-4	2,4,5-Trichlorophenol	480	U	U	480	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	92-52-4	1,1-Biphenyl	480	U	U	480	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	91-58-7	2-Chloronaphthalene	480	U	U	480	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	88-74-4	2-Nitroaniline	480	U	U	480	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	131-11-3	Dimethylphthalate	480	J	U	480	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	606-20-2	2,6-Dinitrotoluene	480	U	U	480	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	208-96-8	Acenaphthylene	480	U	U	480	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	99-09-2	3-Nitroaniline	940	U	U	940	ug/kg	6100-SED27A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG516	Sediment	04/27/2021	1.0	83-32-9	Acenaphthene	480	U	U	480	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	51-28-5	2,4-Dinitrophenol	940	U	U	940	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	100-02-7	4-Nitrophenol	940	U	U	940	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	132-64-9	Dibenzofuran	480	U	U	480	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	121-14-2	2,4-Dinitrotoluene	480	U	U	480	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	84-66-2	Diethylphthalate	480	U	U	480	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	86-73-7	Fluorene	480	U	U	480	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	480	U	U	480	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	100-01-6	4-Nitroaniline	940	U	U	940	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	940	U	U	940	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	86-30-6	N-Nitrosodiphenylamine	480	U	U	480	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	480	U	U	480	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	101-55-3	4-Bromophenyl-phenylether	480	U	U	480	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	118-74-1	Hexachlorobenzene	480	U	U	480	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	1912-24-9	Atrazine	940	U	U	940	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	87-86-5	Pentachlorophenol	940	U	U	940	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	85-01-8	Phenanthrene	480	U	U	480	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	120-12-7	Anthracene	480	U	U	480	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	86-74-8	Carbazole	940	U	U	940	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	84-74-2	Di-n-butylphthalate	480	U	U	480	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	206-44-0	Fluoranthene	480	U	U	480	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	129-00-0	Pyrene	480	U	U	480	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	85-68-7	Butylbenzylphthalate	480	U	U	480	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	91-94-1	3,3-Dichlorobenzidine	940	U	U	940	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	56-55-3	Benzo(a)anthracene	480	U	U	480	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	218-01-9	Chrysene	480	U	U	480	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	480	U	U	480	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	117-84-0	Di-n-octyl phthalate	940	U	U	940	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	205-99-2	Benzo(b)fluoranthene	480	U	U	480	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	207-08-9	Benzo(k)fluoranthene	480	U	U	480	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	50-32-8	Benzo(a)pyrene	480	U	U	480	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	480	U	U	480	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	480	U	U	480	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	191-24-2	Benzo(g,h,i)perylene	480	U	U	480	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	480	U	U	480	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	E966796	Total Alkanes	220	B	B		ug/kg	6100-SED27A
BG597	Sediment	04/27/2021	1.0	123-91-1	1,4-Dioxane	89	U	U	89	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	100-52-7	Benzaldehyde	440	U	U	440	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	108-95-2	Phenol	54	J	J	440	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	440	U	U	440	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	95-57-8	2-Chlorophenol	230	U	U	230	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	95-48-7	2-Methylphenol	440	U	U	440	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	440	U	U	440	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	98-86-2	Acetophenone	440	U	U	440	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	106-44-5	4-Methylphenol	440	U	U	440	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	230	U	U	230	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	67-72-1	Hexachloroethane	230	U	U	230	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	98-95-3	Nitrobenzene	230	U	U	230	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	78-59-1	Isophorone	230	U	U	230	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	88-75-5	2-Nitrophenol	230	U	U	230	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	105-67-9	2,4-Dimethylphenol	230	U	U	230	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	230	U	U	230	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	120-83-2	2,4-Dichlorophenol	230	U	U	230	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	91-20-3	Naphthalene	230	U	U	230	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	106-47-8	4-Chloroaniline	440	U	U	440	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	87-68-3	Hexachlorobutadiene	230	U	U	230	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	105-60-2	Caprolactam	440	U	U	440	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	59-50-7	4-Chloro-3-methylphenol	230	U	U	230	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	90-12-0	1-Methylnaphthalene	230	U	U	230	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	91-57-6	2-Methylnaphthalene	230	U	U	230	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	77-47-4	Hexachlorocyclopentadiene	440	U	U	440	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	88-06-2	2,4,6-Trichlorophenol	230	U	U	230	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	95-95-4	2,4,5-Trichlorophenol	230	U	U	230	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	92-52-4	1,1-Biphenyl	230	U	U	230	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	91-58-7	2-Chloronaphthalene	230	U	U	230	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	88-74-4	2-Nitroaniline	230	U	U	230	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	131-11-3	Dimethylphthalate	230	J	U	230	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	606-20-2	2,6-Dinitrotoluene	230	U	U	230	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	208-96-8	Acenaphthylene	230	U	U	230	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	99-09-2	3-Nitroaniline	440	U	U	440	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	83-32-9	Acenaphthene	93	J	J	230	ug/kg	6100-SED14A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG597	Sediment	04/27/2021	1.0	51-28-5	2,4-Dinitrophenol	440	U	U	440	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	100-02-7	4-Nitrophenol	440	U	U	440	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	132-64-9	Dibenzofuran	230	U	U	230	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	121-14-2	2,4-Dinitrotoluene	230	U	U	230	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	84-66-2	Diethylphthalate	230	U	U	230	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	86-73-7	Fluorene	66	J	J	230	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	230	U	U	230	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	100-01-6	4-Nitroaniline	440	U	U	440	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	440	U	U	440	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	86-30-6	N-Nitrosodiphenylamine	230	U	U	230	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	230	U	U	230	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	101-55-3	4-Bromophenyl-phenylether	230	U	U	230	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	118-74-1	Hexachlorobenzene	230	U	U	230	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	1912-24-9	Atrazine	440	U	U	440	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	87-86-5	Pentachlorophenol	440	U	U	440	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	85-01-8	Phenanthrene	810			230	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	120-12-7	Anthracene	170	J	J	230	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	86-74-8	Carbazole	68	J	J	440	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	84-74-2	Di-n-butylphthalate	230	U	U	230	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	206-44-0	Fluoranthene	1300			230	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	129-00-0	Pyrene	1100			230	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	85-68-7	Butylbenzylphthalate	53	J	J	230	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	91-94-1	3,3-Dichlorobenzidine	440	U	U	440	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	56-55-3	Benzo(a)anthracene	540			230	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	218-01-9	Chrysene	550			230	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	67	J	J	230	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	117-84-0	Di-n-octyl phthalate	440	U	U	440	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	205-99-2	Benzo(b)fluoranthene	690			230	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	207-08-9	Benzo(k)fluoranthene	190	J	J	230	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	50-32-8	Benzo(a)pyrene	530			230	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	290			230	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	90	J	J	230	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	191-24-2	Benzo(g,h,i)perylene	300			230	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	230	U	U	230	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	unknown-01	unknown-01	110	J	J		ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	000057-10-3	n-Hexadecanoic acid	280	JN	JN		ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	000192-97-2	Benzo[e]pyrene	320	JN	JN		ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	000203-64-5	4H-Cyclopenta[def]phenanthrene	180	JN	JN		ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	077899-03-7	1-Heneicosyl formate	360	JN	JN		ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	unknown-02	unknown-02	97	J	J		ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	000079-39-0	Methacrylamide	110	JN	JN		ug/kg	6100-SED14A
BG5A0	Sediment	04/27/2021	1.0	123-91-1	1,4-Dioxane	160	U	U	160	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	100-52-7	Benzaldehyde	780	U	U	780	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	108-95-2	Phenol	780	U	U	780	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	780	U	U	780	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	95-57-8	2-Chlorophenol	400	U	U	400	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	95-48-7	2-Methylphenol	780	U	U	780	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	780	U	U	780	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	98-86-2	Acetophenone	780	U	U	780	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	106-44-5	4-Methylphenol	780	U	U	780	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	400	U	U	400	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	67-72-1	Hexachloroethane	400	U	U	400	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	98-95-3	Nitrobenzene	400	U	U	400	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	78-59-1	Isophorone	400	U	U	400	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	88-75-5	2-Nitrophenol	400	U	U	400	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	105-67-9	2,4-Dimethylphenol	400	U	U	400	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	400	U	U	400	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	120-83-2	2,4-Dichlorophenol	400	U	U	400	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	91-20-3	Naphthalene	400	U	U	400	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	106-47-8	4-Chloroaniline	780	U	U	780	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	87-68-3	Hexachlorobutadiene	400	U	U	400	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	105-60-2	Caprolactam	780	U	U	780	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	59-50-7	4-Chloro-3-methylphenol	400	U	U	400	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	90-12-0	1-Methylnaphthalene	400	U	U	400	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	91-57-6	2-Methylnaphthalene	400	U	U	400	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	77-47-4	Hexachlorocyclopentadiene	780	U	U	780	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	88-06-2	2,4,6-Trichlorophenol	400	U	U	400	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	95-95-4	2,4,5-Trichlorophenol	400	U	U	400	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	92-52-4	1,1-Biphenyl	400	U	U	400	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	91-58-7	2-Chloronaphthalene	400	U	U	400	ug/kg	6100-SED15A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG5A0	Sediment	04/27/2021	1.0	88-74-4	2-Nitroaniline	400	U	U	400	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	131-11-3	Dimethylphthalate	400	U	U	400	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	606-20-2	2,6-Dinitrotoluene	400	U	U	400	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	208-96-8	Acenaphthylene	400	U	U	400	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	99-09-2	3-Nitroaniline	780	U	U	780	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	83-32-9	Acenaphthene	400	U	U	400	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	51-28-5	2,4-Dinitrophenol	780	U	U	780	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	100-02-7	4-Nitrophenol	780	U	U	780	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	132-64-9	Dibenzofuran	400	U	U	400	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	121-14-2	2,4-Dinitrotoluene	400	U	U	400	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	84-66-2	Diethylphthalate	400	U	U	400	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	86-73-7	Fluorene	400	U	U	400	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	400	U	U	400	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	100-01-6	4-Nitroaniline	780	U	U	780	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	780	U	U	780	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	86-30-6	N-Nitrosodiphenylamine	400	U	U	400	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	400	U	U	400	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	101-55-3	4-Bromophenyl-phenylether	400	U	U	400	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	118-74-1	Hexachlorobenzene	400	U	U	400	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	1912-24-9	Atrazine	780	U	U	780	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	87-86-5	Pentachlorophenol	780	U	U	780	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	85-01-8	Phenanthrene	400	U	U	400	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	120-12-7	Anthracene	400	U	U	400	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	86-74-8	Carbazole	780	U	U	780	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	84-74-2	Di-n-butylphthalate	400	U	U	400	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	206-44-0	Fluoranthene	400	U	U	400	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	129-00-0	Pyrene	400	U	U	400	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	85-68-7	Butylbenzylphthalate	400	U	U	400	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	91-94-1	3,3-Dichlorobenzidine	780	U	U	780	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	56-55-3	Benzo(a)anthracene	400	U	U	400	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	218-01-9	Chrysene	400	U	U	400	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	400	U	U	400	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	117-84-0	Di-n-octyl phthalate	780	U	U	780	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	205-99-2	Benzo(b)fluoranthene	400	U	U	400	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	207-08-9	Benzo(k)fluoranthene	400	U	U	400	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	50-32-8	Benzo(a)pyrene	400	U	U	400	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	400	U	U	400	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	400	U	U	400	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	191-24-2	Benzo(g,h,i)perylene	400	U	U	400	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	400	U	U	400	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	E966796	Total Alkanes	240	B	B		ug/kg	6100-SED15A
BG5A1	Sediment	04/27/2021	1.0	123-91-1	1,4-Dioxane	100	U	U	100	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	100-52-7	Benzaldehyde	490	U	U	490	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	108-95-2	Phenol	94	J	J	490	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	490	U	U	490	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	95-57-8	2-Chlorophenol	250	U	U	250	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	95-48-7	2-Methylphenol	490	U	U	490	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	490	U	U	490	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	98-86-2	Acetophenone	490	U	U	490	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	106-44-5	4-Methylphenol	490	U	U	490	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	250	U	U	250	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	67-72-1	Hexachloroethane	250	U	U	250	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	98-95-3	Nitrobenzene	250	U	U	250	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	78-59-1	Isophorone	250	U	U	250	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	88-75-5	2-Nitrophenol	250	U	U	250	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	105-67-9	2,4-Dimethylphenol	250	U	U	250	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	250	U	U	250	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	120-83-2	2,4-Dichlorophenol	250	U	U	250	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	91-20-3	Naphthalene	250	U	U	250	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	106-47-8	4-Chloroaniline	490	U	U	490	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	87-68-3	Hexachlorobutadiene	250	U	U	250	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	105-60-2	Caprolactam	490	U	U	490	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	59-50-7	4-Chloro-3-methylphenol	250	U	U	250	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	90-12-0	1-Methylnaphthalene	250	U	U	250	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	91-57-6	2-Methylnaphthalene	250	U	U	250	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	77-47-4	Hexachlorocyclopentadiene	490	U	U	490	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	88-06-2	2,4,6-Trichlorophenol	250	U	U	250	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	95-95-4	2,4,5-Trichlorophenol	250	U	U	250	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	92-52-4	1,1-Biphenyl	250	U	U	250	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	91-58-7	2-Chloronaphthalene	250	U	U	250	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	88-74-4	2-Nitroaniline	250	U	U	250	ug/kg	6100-SED15B

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG5A1	Sediment	04/27/2021	1.0	131-11-3	Dimethylphthalate	250	J	U	250	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	606-20-2	2,6-Dinitrotoluene	250	U	U	250	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	208-96-8	Acenaphthylene	250	U	U	250	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	99-09-2	3-Nitroaniline	490	U	U	490	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	83-32-9	Acenaphthene	250	U	U	250	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	51-28-5	2,4-Dinitrophenol	490	U	U	490	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	100-02-7	4-Nitrophenol	490	U	U	490	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	132-64-9	Dibenzofuran	250	U	U	250	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	121-14-2	2,4-Dinitrotoluene	250	U	U	250	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	84-66-2	Diethylphthalate	250	U	U	250	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	86-73-7	Fluorene	250	U	U	250	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	250	U	U	250	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	100-01-6	4-Nitroaniline	490	U	U	490	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	490	U	U	490	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	86-30-6	N-Nitrosodiphenylamine	250	U	U	250	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	250	U	U	250	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	101-55-3	4-Bromophenyl-phenylether	250	U	U	250	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	118-74-1	Hexachlorobenzene	250	U	U	250	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	1912-24-9	Atrazine	490	U	U	490	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	87-86-5	Pentachlorophenol	490	U	U	490	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	85-01-8	Phenanthrene	250	U	U	250	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	120-12-7	Anthracene	250	U	U	250	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	86-74-8	Carbazole	490	U	U	490	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	84-74-2	Di-n-butylphthalate	250	U	U	250	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	206-44-0	Fluoranthene	250	U	U	250	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	129-00-0	Pyrene	250	U	U	250	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	85-68-7	Butylbenzylphthalate	250	U	U	250	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	91-94-1	3,3-Dichlorobenzidine	490	U	U	490	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	56-55-3	Benzo(a)anthracene	250	U	U	250	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	218-01-9	Chrysene	250	U	U	250	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	250	U	U	250	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	117-84-0	Di-n-octyl phthalate	490	U	U	490	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	205-99-2	Benzo(b)fluoranthene	250	U	U	250	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	207-08-9	Benzo(k)fluoranthene	250	U	U	250	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	50-32-8	Benzo(a)pyrene	250	U	U	250	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	250	U	U	250	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	250	U	U	250	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	191-24-2	Benzo(g,h,i)perylene	250	U	U	250	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	250	U	U	250	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	000057-10-3	n-Hexadecanoic acid	110	JN	JN		ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	E966796	Total Alkanes	360	B	B		ug/kg	6100-SED15B
BG5A3	Sediment	04/27/2021	1.0	123-91-1	1,4-Dioxane	110	U	U	110	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	100-52-7	Benzaldehyde	520	U	U	520	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	108-95-2	Phenol	520	U	U	520	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	520	U	U	520	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	95-57-8	2-Chlorophenol	270	U	U	270	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	95-48-7	2-Methylphenol	520	U	U	520	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	520	U	U	520	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	98-86-2	Acetophenone	520	U	U	520	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	106-44-5	4-Methylphenol	520	U	U	520	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	270	U	U	270	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	67-72-1	Hexachloroethane	270	U	U	270	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	98-95-3	Nitrobenzene	270	U	U	270	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	78-59-1	Isophorone	270	U	U	270	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	88-75-5	2-Nitrophenol	270	U	U	270	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	105-67-9	2,4-Dimethylphenol	270	U	U	270	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	270	U	U	270	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	120-83-2	2,4-Dichlorophenol	270	U	U	270	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	91-20-3	Naphthalene	270	U	U	270	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	106-47-8	4-Chloroaniline	520	U	U	520	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	87-68-3	Hexachlorobutadiene	270	U	U	270	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	105-60-2	Caprolactam	520	U	U	520	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	59-50-7	4-Chloro-3-methylphenol	270	U	U	270	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	90-12-0	1-Methylnaphthalene	270	U	U	270	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	91-57-6	2-Methylnaphthalene	270	U	U	270	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	77-47-4	Hexachlorocyclopentadiene	520	U	U	520	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	88-06-2	2,4,6-Trichlorophenol	270	U	U	270	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	95-95-4	2,4,5-Trichlorophenol	270	U	U	270	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	92-52-4	1,1-Biphenyl	270	U	U	270	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	91-58-7	2-Chloronaphthalene	270	U	U	270	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	88-74-4	2-Nitroaniline	270	U	UJ	270	ug/kg	6100-SED16A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG5A3	Sediment	04/27/2021	1.0	131-11-3	Dimethylphthalate	270	U	U	270	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	606-20-2	2,6-Dinitrotoluene	270	U	U	270	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	208-96-8	Acenaphthylene	270	U	U	270	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	99-09-2	3-Nitroaniline	520	U	UJ	520	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	83-32-9	Acenaphthene	270	U	U	270	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	51-28-5	2,4-Dinitrophenol	520	U	UJ	520	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	100-02-7	4-Nitrophenol	520	U	UJ	520	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	132-64-9	Dibenzofuran	270	U	U	270	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	121-14-2	2,4-Dinitrotoluene	270	U	U	270	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	84-66-2	Diethylphthalate	270	U	U	270	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	86-73-7	Fluorene	270	U	U	270	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	270	U	U	270	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	100-01-6	4-Nitroaniline	520	U	UJ	520	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	520	U	U	520	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	86-30-6	N-Nitrosodiphenylamine	270	U	U	270	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	270	U	U	270	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	101-55-3	4-Bromophenyl-phenylether	270	U	U	270	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	118-74-1	Hexachlorobenzene	270	U	U	270	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	1912-24-9	Atrazine	520	U	U	520	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	87-86-5	Pentachlorophenol	520	U	U	520	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	85-01-8	Phenanthrene	92	J	J	270	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	120-12-7	Anthracene	270	U	U	270	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	86-74-8	Carbazole	520	U	U	520	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	84-74-2	Di-n-butylphthalate	270	U	U	270	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	206-44-0	Fluoranthene	240	J	J	270	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	129-00-0	Pyrene	240	J	J	270	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	85-68-7	Butylbenzylphthalate	270	U	U	270	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	91-94-1	3,3-Dichlorobenzidine	520	U	U	520	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	56-55-3	Benzo(a)anthracene	110	J	J	270	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	218-01-9	Chrysene	120	J	J	270	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	53	J	J	270	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	117-84-0	Di-n-octyl phthalate	520	U	U	520	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	205-99-2	Benzo(b)fluoranthene	140	J	J	270	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	207-08-9	Benzo(k)fluoranthene	270	U	U	270	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	50-32-8	Benzo(a)pyrene	100	J	J	270	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	270	U	U	270	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	270	U	U	270	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	191-24-2	Benzo(g,h,i)perylene	56	J	J	270	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	270	U	U	270	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	E966796	Total Alkanes	390	B	B		ug/kg	6100-SED16A
BG5A6	Sediment	04/27/2021	1.0	123-91-1	1,4-Dioxane	150	U	U	150	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	100-52-7	Benzaldehyde	730	U	U	730	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	108-95-2	Phenol	100	J	J	730	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	730	U	U	730	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	95-57-8	2-Chlorophenol	370	U	U	370	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	95-48-7	2-Methylphenol	730	U	U	730	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	730	U	U	730	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	98-86-2	Acetophenone	730	U	U	730	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	106-44-5	4-Methylphenol	120	J	J	730	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	370	U	U	370	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	67-72-1	Hexachloroethane	370	U	U	370	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	98-95-3	Nitrobenzene	370	U	U	370	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	78-59-1	Isophorone	370	U	U	370	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	88-75-5	2-Nitrophenol	370	U	U	370	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	105-67-9	2,4-Dimethylphenol	370	U	U	370	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	370	U	U	370	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	120-83-2	2,4-Dichlorophenol	370	U	U	370	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	91-20-3	Naphthalene	370	U	U	370	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	106-47-8	4-Chloroaniline	730	U	U	730	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	87-68-3	Hexachlorobutadiene	370	U	U	370	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	105-60-2	Caprolactam	730	U	U	730	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	59-50-7	4-Chloro-3-methylphenol	370	U	U	370	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	90-12-0	1-Methylnaphthalene	370	U	U	370	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	91-57-6	2-Methylnaphthalene	370	U	U	370	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	77-47-4	Hexachlorocyclopentadiene	730	U	U	730	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	88-06-2	2,4,6-Trichlorophenol	370	U	U	370	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	95-95-4	2,4,5-Trichlorophenol	370	U	U	370	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	92-52-4	1,1-Biphenyl	370	U	U	370	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	91-58-7	2-Chloronaphthalene	370	U	U	370	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	88-74-4	2-Nitroaniline	370	U	U	370	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	131-11-3	Dimethylphthalate	370	J	U	370	ug/kg	6100-SED17A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG5A6	Sediment	04/27/2021	1.0	606-20-2	2,6-Dinitrotoluene	370	U	U	370	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	208-96-8	Acenaphthylene	370	U	U	370	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	99-09-2	3-Nitroaniline	730	U	U	730	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	83-32-9	Acenaphthene	370	U	U	370	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	51-28-5	2,4-Dinitrophenol	730	U	U	730	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	100-02-7	4-Nitrophenol	730	U	U	730	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	132-64-9	Dibenzofuran	370	U	U	370	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	121-14-2	2,4-Dinitrotoluene	370	U	U	370	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	84-66-2	Diethylphthalate	370	U	U	370	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	86-73-7	Fluorene	370	U	U	370	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	370	U	U	370	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	100-01-6	4-Nitroaniline	730	U	U	730	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	730	U	U	730	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	86-30-6	N-Nitrosodiphenylamine	370	U	U	370	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	370	U	U	370	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	101-55-3	4-Bromophenyl-phenylether	370	U	U	370	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	118-74-1	Hexachlorobenzene	370	U	U	370	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	1912-24-9	Atrazine	730	U	U	730	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	87-86-5	Pentachlorophenol	730	U	U	730	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	85-01-8	Phenanthrene	920			370	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	120-12-7	Anthracene	110	J	J	370	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	86-74-8	Carbazole	92	J	J	730	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	84-74-2	Di-n-butylphthalate	370	U	U	370	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	206-44-0	Fluoranthene	1600			370	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	129-00-0	Pyrene	1300			370	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	85-68-7	Butylbenzylphthalate	210	J	J	370	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	91-94-1	3,3-Dichlorobenzidine	730	U	U	730	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	56-55-3	Benzo(a)anthracene	470			370	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	218-01-9	Chrysene	580			370	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	780			370	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	117-84-0	Di-n-octyl phthalate	730	U	U	730	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	205-99-2	Benzo(b)fluoranthene	690			370	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	207-08-9	Benzo(k)fluoranthene	230	J	J	370	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	50-32-8	Benzo(a)pyrene	460			370	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	280	J	J	370	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	81	J	J	370	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	191-24-2	Benzo(g,h,i)perylene	290	J	J	370	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	370	U	U	370	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	000057-10-3	n-Hexadecanoic acid	450	JN	JN		ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	000078-51-3	Ethanol, 2-butoxy-, phosphate (3:1	190	JN	JN		ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	000203-64-5	4H-Cyclopenta[def]phenanthrene	160	JN	JN		ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	E966796	Total Alkanes	2100	B	B		ug/kg	6100-SED17A
BG5A9	Sediment	04/27/2021	1.0	123-91-1	1,4-Dioxane	96	U	U	96	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	100-52-7	Benzaldehyde	470	U	U	470	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	108-95-2	Phenol	470	U	U	470	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	470	U	U	470	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	95-57-8	2-Chlorophenol	240	U	U	240	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	95-48-7	2-Methylphenol	470	U	U	470	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	470	U	U	470	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	98-86-2	Acetophenone	470	U	U	470	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	106-44-5	4-Methylphenol	470	U	U	470	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	240	U	U	240	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	67-72-1	Hexachloroethane	240	U	U	240	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	98-95-3	Nitrobenzene	240	U	U	240	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	78-59-1	Isophorone	240	U	U	240	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	88-75-5	2-Nitrophenol	240	U	U	240	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	105-67-9	2,4-Dimethylphenol	240	U	U	240	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	240	U	U	240	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	120-83-2	2,4-Dichlorophenol	240	U	U	240	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	91-20-3	Naphthalene	240	U	U	240	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	106-47-8	4-Chloroaniline	470	U	U	470	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	87-68-3	Hexachlorobutadiene	240	U	U	240	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	105-60-2	Caprolactam	470	U	U	470	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	59-50-7	4-Chloro-3-methylphenol	240	U	U	240	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	90-12-0	1-Methylnaphthalene	240	U	U	240	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	91-57-6	2-Methylnaphthalene	240	U	U	240	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	77-47-4	Hexachlorocyclopentadiene	470	U	U	470	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	88-06-2	2,4,6-Trichlorophenol	240	U	U	240	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	95-95-4	2,4,5-Trichlorophenol	240	U	U	240	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	92-52-4	1,1-Biphenyl	240	U	U	240	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	91-58-7	2-Chloronaphthalene	240	U	U	240	ug/kg	6100-SED18A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG5A9	Sediment	04/27/2021	1.0	88-74-4	2-Nitroaniline	240	U	UJ	240	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	131-11-3	Dimethylphthalate	240	U	U	240	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	606-20-2	2,6-Dinitrotoluene	240	U	U	240	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	208-96-8	Acenaphthylene	240	U	U	240	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	99-09-2	3-Nitroaniline	470	U	UJ	470	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	83-32-9	Acenaphthene	240	U	U	240	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	51-28-5	2,4-Dinitrophenol	470	U	UJ	470	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	100-02-7	4-Nitrophenol	470	U	UJ	470	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	132-64-9	Dibenzofuran	240	U	U	240	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	121-14-2	2,4-Dinitrotoluene	240	U	U	240	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	84-66-2	Diethylphthalate	240	U	U	240	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	86-73-7	Fluorene	240	U	U	240	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	240	U	U	240	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	100-01-6	4-Nitroaniline	470	U	UJ	470	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	470	U	UJ	470	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	86-30-6	N-Nitrosodiphenylamine	240	U	U	240	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	240	U	U	240	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	101-55-3	4-Bromophenyl-phenylether	240	U	U	240	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	118-74-1	Hexachlorobenzene	240	U	U	240	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	1912-24-9	Atrazine	470	U	U	470	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	87-86-5	Pentachlorophenol	470	U	U	470	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	85-01-8	Phenanthrene	240	U	U	240	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	120-12-7	Anthracene	240	U	U	240	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	86-74-8	Carbazole	470	U	U	470	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	84-74-2	Di-n-butylphthalate	240	U	U	240	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	206-44-0	Fluoranthene	240	U	U	240	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	129-00-0	Pyrene	240	U	U	240	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	85-68-7	Butylbenzylphthalate	240	U	U	240	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	91-94-1	3,3-Dichlorobenzidine	470	U	U	470	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	56-55-3	Benzo(a)anthracene	240	U	U	240	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	218-01-9	Chrysene	240	U	U	240	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	240	U	U	240	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	117-84-0	Di-n-octyl phthalate	470	U	U	470	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	205-99-2	Benzo(b)fluoranthene	240	U	U	240	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	207-08-9	Benzo(k)fluoranthene	240	U	U	240	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	50-32-8	Benzo(a)pyrene	240	U	U	240	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	240	U	U	240	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	240	U	U	240	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	191-24-2	Benzo(g,h,i)perylene	240	U	U	240	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	240	U	U	240	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	E966796	Total Alkanes	260	B	B		ug/kg	6100-SED18A
BG5B2	Sediment	04/27/2021	1.0	123-91-1	1,4-Dioxane	200	U	U	200	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	100-52-7	Benzaldehyde	1000	U	U	1000	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	108-95-2	Phenol	140	J	J	1000	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	1000	U	U	1000	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	95-57-8	2-Chlorophenol	520	U	U	520	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	95-48-7	2-Methylphenol	1000	U	U	1000	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	1000	U	U	1000	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	98-86-2	Acetophenone	1000	U	U	1000	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	106-44-5	4-Methylphenol	190	J	J	1000	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	520	U	U	520	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	67-72-1	Hexachloroethane	520	U	U	520	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	98-95-3	Nitrobenzene	520	U	U	520	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	78-59-1	Isophorone	520	U	U	520	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	88-75-5	2-Nitrophenol	520	U	U	520	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	105-67-9	2,4-Dimethylphenol	520	U	U	520	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	520	U	U	520	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	120-83-2	2,4-Dichlorophenol	520	U	U	520	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	91-20-3	Naphthalene	520	U	U	520	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	106-47-8	4-Chloroaniline	1000	U	U	1000	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	87-68-3	Hexachlorobutadiene	520	U	U	520	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	105-60-2	Caprolactam	1000	U	U	1000	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	59-50-7	4-Chloro-3-methylphenol	520	U	U	520	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	90-12-0	1-Methylnaphthalene	520	U	U	520	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	91-57-6	2-Methylnaphthalene	520	U	U	520	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	77-47-4	Hexachlorocyclopentadiene	1000	U	U	1000	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	88-06-2	2,4,6-Trichlorophenol	520	U	U	520	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	95-95-4	2,4,5-Trichlorophenol	520	U	U	520	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	92-52-4	1,1-Biphenyl	520	U	U	520	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	91-58-7	2-Chloronaphthalene	520	U	U	520	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	88-74-4	2-Nitroaniline	520	U	U	520	ug/kg	6100-SED19A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG5B2	Sediment	04/27/2021	1.0	131-11-3	Dimethylphthalate	520	J	U	520	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	606-20-2	2,6-Dinitrotoluene	520	U	U	520	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	208-96-8	Acenaphthylene	520	U	U	520	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	99-09-2	3-Nitroaniline	1000	U	U	1000	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	83-32-9	Acenaphthene	520	U	U	520	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	51-28-5	2,4-Dinitrophenol	1000	U	U	1000	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	100-02-7	4-Nitrophenol	1000	U	U	1000	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	132-64-9	Dibenzofuran	520	U	U	520	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	121-14-2	2,4-Dinitrotoluene	520	U	U	520	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	84-66-2	Diethylphthalate	520	U	U	520	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	86-73-7	Fluorene	520	U	U	520	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	520	U	U	520	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	100-01-6	4-Nitroaniline	1000	U	U	1000	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	1000	U	U	1000	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	86-30-6	N-Nitrosodiphenylamine	520	U	U	520	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	520	U	U	520	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	101-55-3	4-Bromophenyl-phenylether	520	U	U	520	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	118-74-1	Hexachlorobenzene	520	U	U	520	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	1912-24-9	Atrazine	1000	U	U	1000	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	87-86-5	Pentachlorophenol	1000	U	U	1000	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	85-01-8	Phenanthrene	520	U	U	520	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	120-12-7	Anthracene	520	U	U	520	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	86-74-8	Carbazole	1000	U	U	1000	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	84-74-2	Di-n-butylphthalate	520	U	U	520	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	206-44-0	Fluoranthene	310	J	J	520	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	129-00-0	Pyrene	230	J	J	520	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	85-68-7	Butylbenzylphthalate	520	U	U	520	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	91-94-1	3,3-Dichlorobenzidine	1000	U	U	1000	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	56-55-3	Benzo(a)anthracene	520	U	U	520	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	218-01-9	Chrysene	520	U	U	520	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	340	J	J	520	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	117-84-0	Di-n-octyl phthalate	1000	U	U	1000	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	205-99-2	Benzo(b)fluoranthene	110	J	J	520	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	207-08-9	Benzo(k)fluoranthene	520	U	U	520	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	50-32-8	Benzo(a)pyrene	520	U	U	520	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	520	U	U	520	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	520	U	U	520	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	191-24-2	Benzo(g,h,i)perylene	520	U	U	520	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	520	U	U	520	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	959085-66-6	Heptadecyl heptafluorobutyrate	610	JN	JN		ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	000057-10-3	n-Hexadecanoic acid	300	JN	JN		ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	6100-SED19A
BG5B5	Sediment	04/27/2021	1.0	123-91-1	1,4-Dioxane	130	U	U	130	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	100-52-7	Benzaldehyde	650	U	U	650	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	108-95-2	Phenol	88	J	J	650	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	650	U	U	650	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	95-57-8	2-Chlorophenol	330	U	U	330	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	95-48-7	2-Methylphenol	650	U	U	650	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	650	U	U	650	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	98-86-2	Acetophenone	650	U	U	650	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	106-44-5	4-Methylphenol	650	U	U	650	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	330	U	U	330	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	67-72-1	Hexachloroethane	330	U	U	330	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	98-95-3	Nitrobenzene	330	U	U	330	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	78-59-1	Isophorone	330	U	U	330	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	88-75-5	2-Nitrophenol	330	U	U	330	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	105-67-9	2,4-Dimethylphenol	330	U	U	330	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	330	U	U	330	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	120-83-2	2,4-Dichlorophenol	330	U	U	330	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	91-20-3	Naphthalene	330	U	U	330	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	106-47-8	4-Chloroaniline	650	U	U	650	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	87-68-3	Hexachlorobutadiene	330	U	U	330	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	105-60-2	Caprolactam	650	U	U	650	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	59-50-7	4-Chloro-3-methylphenol	330	U	U	330	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	90-12-0	1-Methylnaphthalene	330	U	U	330	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	91-57-6	2-Methylnaphthalene	330	U	U	330	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	77-47-4	Hexachlorocyclopentadiene	650	U	U	650	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	88-06-2	2,4,6-Trichlorophenol	330	U	U	330	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	95-95-4	2,4,5-Trichlorophenol	330	U	U	330	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	92-52-4	1,1-Biphenyl	330	U	U	330	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	91-58-7	2-Chloronaphthalene	330	U	U	330	ug/kg	6100-SED20A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG5B5	Sediment	04/27/2021	1.0	88-74-4	2-Nitroaniline	330	U	U	330	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	131-11-3	Dimethylphthalate	330	J	U	330	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	606-20-2	2,6-Dinitrotoluene	330	U	U	330	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	208-96-8	Acenaphthylene	330	U	U	330	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	99-09-2	3-Nitroaniline	650	U	U	650	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	83-32-9	Acenaphthene	330	U	U	330	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	51-28-5	2,4-Dinitrophenol	650	U	U	650	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	100-02-7	4-Nitrophenol	650	U	U	650	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	132-64-9	Dibenzofuran	330	U	U	330	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	121-14-2	2,4-Dinitrotoluene	330	U	U	330	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	84-66-2	Diethylphthalate	330	U	U	330	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	86-73-7	Fluorene	330	U	U	330	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	330	U	U	330	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	100-01-6	4-Nitroaniline	650	U	U	650	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	650	U	U	650	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	86-30-6	N-Nitrosodiphenylamine	330	U	U	330	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	330	U	U	330	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	101-55-3	4-Bromophenyl-phenylether	330	U	U	330	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	118-74-1	Hexachlorobenzene	330	U	U	330	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	1912-24-9	Atrazine	650	U	U	650	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	87-86-5	Pentachlorophenol	650	U	U	650	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	85-01-8	Phenanthrene	76	J	J	330	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	120-12-7	Anthracene	330	U	U	330	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	86-74-8	Carbazole	650	U	U	650	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	84-74-2	Di-n-butylphthalate	330	U	U	330	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	206-44-0	Fluoranthene	220	J	J	330	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	129-00-0	Pyrene	240	J	J	330	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	85-68-7	Butylbenzylphthalate	330	U	U	330	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	91-94-1	3,3-Dichlorobenzidine	650	U	U	650	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	56-55-3	Benzo(a)anthracene	76	J	J	330	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	218-01-9	Chrysene	110	J	J	330	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	240	J	J	330	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	117-84-0	Di-n-octyl phthalate	650	U	U	650	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	205-99-2	Benzo(b)fluoranthene	140	J	J	330	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	207-08-9	Benzo(k)fluoranthene	330	U	U	330	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	50-32-8	Benzo(a)pyrene	86	J	J	330	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	330	U	U	330	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	330	U	U	330	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	191-24-2	Benzo(g,h,i)perylene	330	U	U	330	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	330	U	U	330	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	000057-10-3	n-Hexadecanoic acid	210	JN	JN		ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	000102-76-1	Triacetin	180	JN	JN		ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	E966796	Total Alkanes	890	B	B		ug/kg	6100-SED20A
SLCS123		05/12/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	
SLCS123		05/12/2021	1.0	123-91-1	1,4-Dioxane	430			67	ug/kg	
SLCS123		05/12/2021	1.0	100-52-7	Benzaldehyde	940			330	ug/kg	
SLCS123		05/12/2021	1.0	108-95-2	Phenol	1000			330	ug/kg	
SLCS123		05/12/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	1000			330	ug/kg	
SLCS123		05/12/2021	1.0	95-57-8	2-Chlorophenol	1100			170	ug/kg	
SLCS123		05/12/2021	1.0	95-48-7	2-Methylphenol	1000			330	ug/kg	
SLCS123		05/12/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	1200			330	ug/kg	
SLCS123		05/12/2021	1.0	98-86-2	Acetophenone	960			330	ug/kg	
SLCS123		05/12/2021	1.0	106-44-5	4-Methylphenol	990			330	ug/kg	
SLCS123		05/12/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	1100			170	ug/kg	
SLCS123		05/12/2021	1.0	67-72-1	Hexachloroethane	1100			170	ug/kg	
SLCS123		05/12/2021	1.0	98-95-3	Nitrobenzene	1200		J	170	ug/kg	
SLCS123		05/12/2021	1.0	78-59-1	Isophorone	1000			170	ug/kg	
SLCS123		05/12/2021	1.0	88-75-5	2-Nitrophenol	1200			170	ug/kg	
SLCS123		05/12/2021	1.0	105-67-9	2,4-Dimethylphenol	1000			170	ug/kg	
SLCS123		05/12/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	1000			170	ug/kg	
SLCS123		05/12/2021	1.0	120-83-2	2,4-Dichlorophenol	1100			170	ug/kg	
SLCS123		05/12/2021	1.0	91-20-3	Naphthalene	1000			170	ug/kg	
SLCS123		05/12/2021	1.0	106-47-8	4-Chloroaniline	840			330	ug/kg	
SLCS123		05/12/2021	1.0	87-68-3	Hexachlorobutadiene	1000			170	ug/kg	
SLCS123		05/12/2021	1.0	105-60-2	Caprolactam	1000			330	ug/kg	
SLCS123		05/12/2021	1.0	59-50-7	4-Chloro-3-methylphenol	1100			170	ug/kg	
SLCS123		05/12/2021	1.0	90-12-0	1-Methylnaphthalene	980			170	ug/kg	
SLCS123		05/12/2021	1.0	91-57-6	2-Methylnaphthalene	990			170	ug/kg	
SLCS123		05/12/2021	1.0	77-47-4	Hexachlorocyclopentadiene	970			330	ug/kg	
SLCS123		05/12/2021	1.0	88-06-2	2,4,6-Trichlorophenol	1100			170	ug/kg	
SLCS123		05/12/2021	1.0	95-95-4	2,4,5-Trichlorophenol	1100			170	ug/kg	

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
SLCS123		05/12/2021	1.0	92-52-4	1,1-Biphenyl	1100			170	ug/kg	
SLCS123		05/12/2021	1.0	91-58-7	2-Chloronaphthalene	1100			170	ug/kg	
SLCS123		05/12/2021	1.0	88-74-4	2-Nitroaniline	1400		J	170	ug/kg	
SLCS123		05/12/2021	1.0	131-11-3	Dimethylphthalate	1100			170	ug/kg	
SLCS123		05/12/2021	1.0	606-20-2	2,6-Dinitrotoluene	1200			170	ug/kg	
SLCS123		05/12/2021	1.0	208-96-8	Acenaphthylene	1000			170	ug/kg	
SLCS123		05/12/2021	1.0	99-09-2	3-Nitroaniline	980			330	ug/kg	
SLCS123		05/12/2021	1.0	83-32-9	Acenaphthene	1100			170	ug/kg	
SLCS123		05/12/2021	1.0	51-28-5	2,4-Dinitrophenol	940			330	ug/kg	
SLCS123		05/12/2021	1.0	100-02-7	4-Nitrophenol	1000			330	ug/kg	
SLCS123		05/12/2021	1.0	132-64-9	Dibenzofuran	1100			170	ug/kg	
SLCS123		05/12/2021	1.0	121-14-2	2,4-Dinitrotoluene	1200			170	ug/kg	
SLCS123		05/12/2021	1.0	84-66-2	Diethylphthalate	1100			170	ug/kg	
SLCS123		05/12/2021	1.0	86-73-7	Fluorene	1100			170	ug/kg	
SLCS123		05/12/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	1100			170	ug/kg	
SLCS123		05/12/2021	1.0	100-01-6	4-Nitroaniline	1000			330	ug/kg	
SLCS123		05/12/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	1100			330	ug/kg	
SLCS123		05/12/2021	1.0	86-30-6	N-Nitrosodiphenylamine	1200			170	ug/kg	
SLCS123		05/12/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	1100			170	ug/kg	
SLCS123		05/12/2021	1.0	101-55-3	4-Bromophenyl-phenylether	1200			170	ug/kg	
SLCS123		05/12/2021	1.0	118-74-1	Hexachlorobenzene	1200			170	ug/kg	
SLCS123		05/12/2021	1.0	1912-24-9	Atrazine	1100			330	ug/kg	
SLCS123		05/12/2021	1.0	87-86-5	Pentachlorophenol	1100			330	ug/kg	
SLCS123		05/12/2021	1.0	85-01-8	Phenanthrene	1100			170	ug/kg	
SLCS123		05/12/2021	1.0	120-12-7	Anthracene	1100			170	ug/kg	
SLCS123		05/12/2021	1.0	86-74-8	Carbazole	1100			330	ug/kg	
SLCS123		05/12/2021	1.0	84-74-2	Di-n-butylphthalate	1200			170	ug/kg	
SLCS123		05/12/2021	1.0	206-44-0	Fluoranthene	1300			170	ug/kg	
SLCS123		05/12/2021	1.0	129-00-0	Pyrene	1300			170	ug/kg	
SLCS123		05/12/2021	1.0	85-68-7	Butylbenzylphthalate	1500			170	ug/kg	
SLCS123		05/12/2021	1.0	91-94-1	3,3-Dichlorobenzidine	950			330	ug/kg	
SLCS123		05/12/2021	1.0	56-55-3	Benzo(a)anthracene	1200			170	ug/kg	
SLCS123		05/12/2021	1.0	218-01-9	Chrysene	1200			170	ug/kg	
SLCS123		05/12/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	1400			170	ug/kg	
SLCS123		05/12/2021	1.0	117-84-0	Di-n-octyl phthalate	1200			330	ug/kg	
SLCS123		05/12/2021	1.0	205-99-2	Benzo(b)fluoranthene	1200			170	ug/kg	
SLCS123		05/12/2021	1.0	207-08-9	Benzo(k)fluoranthene	1200			170	ug/kg	
SLCS123		05/12/2021	1.0	50-32-8	Benzo(a)pyrene	1200			170	ug/kg	
SLCS123		05/12/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	1300			170	ug/kg	
SLCS123		05/12/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	1300			170	ug/kg	
SLCS123		05/12/2021	1.0	191-24-2	Benzo(g,h,i)perylene	1300			170	ug/kg	
SLCS123		05/12/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	1100			170	ug/kg	
SBLK123		05/12/2021	1.0	123-91-1	1,4-Dioxane	67	U	U	67	ug/kg	
SBLK123		05/12/2021	1.0	100-52-7	Benzaldehyde	330	U	U	330	ug/kg	
SBLK123		05/12/2021	1.0	108-95-2	Phenol	330	U	U	330	ug/kg	
SBLK123		05/12/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	330	U	U	330	ug/kg	
SBLK123		05/12/2021	1.0	95-57-8	2-Chlorophenol	170	U	U	170	ug/kg	
SBLK123		05/12/2021	1.0	95-48-7	2-Methylphenol	330	U	U	330	ug/kg	
SBLK123		05/12/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	330	U	U	330	ug/kg	
SBLK123		05/12/2021	1.0	98-86-2	Acetophenone	330	U	U	330	ug/kg	
SBLK123		05/12/2021	1.0	106-44-5	4-Methylphenol	330	U	U	330	ug/kg	
SBLK123		05/12/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	170	U	U	170	ug/kg	
SBLK123		05/12/2021	1.0	67-72-1	Hexachloroethane	170	U	U	170	ug/kg	
SBLK123		05/12/2021	1.0	98-95-3	Nitrobenzene	170	U	U	170	ug/kg	
SBLK123		05/12/2021	1.0	78-59-1	Isophorone	170	U	U	170	ug/kg	
SBLK123		05/12/2021	1.0	88-75-5	2-Nitrophenol	170	U	U	170	ug/kg	
SBLK123		05/12/2021	1.0	105-67-9	2,4-Dimethylphenol	170	U	U	170	ug/kg	
SBLK123		05/12/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	170	U	U	170	ug/kg	
SBLK123		05/12/2021	1.0	120-83-2	2,4-Dichlorophenol	170	U	U	170	ug/kg	
SBLK123		05/12/2021	1.0	91-20-3	Naphthalene	170	U	U	170	ug/kg	
SBLK123		05/12/2021	1.0	106-47-8	4-Chloroaniline	330	U	U	330	ug/kg	
SBLK123		05/12/2021	1.0	87-68-3	Hexachlorobutadiene	170	U	U	170	ug/kg	
SBLK123		05/12/2021	1.0	105-60-2	Caprolactam	330	U	U	330	ug/kg	
SBLK123		05/12/2021	1.0	59-50-7	4-Chloro-3-methylphenol	170	U	U	170	ug/kg	
SBLK123		05/12/2021	1.0	90-12-0	1-Methylnaphthalene	170	U	U	170	ug/kg	
SBLK123		05/12/2021	1.0	91-57-6	2-Methylnaphthalene	170	U	U	170	ug/kg	
SBLK123		05/12/2021	1.0	77-47-4	Hexachlorocyclopentadiene	330	U	U	330	ug/kg	
SBLK123		05/12/2021	1.0	88-06-2	2,4,6-Trichlorophenol	170	U	U	170	ug/kg	
SBLK123		05/12/2021	1.0	95-95-4	2,4,5-Trichlorophenol	170	U	U	170	ug/kg	
SBLK123		05/12/2021	1.0	92-52-4	1,1-Biphenyl	170	U	U	170	ug/kg	
SBLK123		05/12/2021	1.0	91-58-7	2-Chloronaphthalene	170	U	U	170	ug/kg	

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
SBLK123		05/12/2021	1.0	88-74-4	2-Nitroaniline	170	U	U	170	ug/kg	
SBLK123		05/12/2021	1.0	131-11-3	Dimethylphthalate	170	U	U	170	ug/kg	
SBLK123		05/12/2021	1.0	606-20-2	2,6-Dinitrotoluene	170	U	U	170	ug/kg	
SBLK123		05/12/2021	1.0	208-96-8	Acenaphthylene	170	U	U	170	ug/kg	
SBLK123		05/12/2021	1.0	99-09-2	3-Nitroaniline	330	U	U	330	ug/kg	
SBLK123		05/12/2021	1.0	83-32-9	Acenaphthene	170	U	U	170	ug/kg	
SBLK123		05/12/2021	1.0	51-28-5	2,4-Dinitrophenol	330	U	U	330	ug/kg	
SBLK123		05/12/2021	1.0	100-02-7	4-Nitrophenol	330	U	U	330	ug/kg	
SBLK123		05/12/2021	1.0	132-64-9	Dibenzofuran	170	U	U	170	ug/kg	
SBLK123		05/12/2021	1.0	121-14-2	2,4-Dinitrotoluene	170	U	U	170	ug/kg	
SBLK123		05/12/2021	1.0	84-66-2	Diethylphthalate	170	U	U	170	ug/kg	
SBLK123		05/12/2021	1.0	86-73-7	Fluorene	170	U	U	170	ug/kg	
SBLK123		05/12/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	170	U	U	170	ug/kg	
SBLK123		05/12/2021	1.0	100-01-6	4-Nitroaniline	330	U	U	330	ug/kg	
SBLK123		05/12/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	330	U	U	330	ug/kg	
SBLK123		05/12/2021	1.0	86-30-6	N-Nitrosodiphenylamine	170	U	U	170	ug/kg	
SBLK123		05/12/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	170	U	U	170	ug/kg	
SBLK123		05/12/2021	1.0	101-55-3	4-Bromophenyl-phenylether	170	U	U	170	ug/kg	
SBLK123		05/12/2021	1.0	118-74-1	Hexachlorobenzene	170	U	U	170	ug/kg	
SBLK123		05/12/2021	1.0	1912-24-9	Atrazine	330	U	U	330	ug/kg	
SBLK123		05/12/2021	1.0	87-86-5	Pentachlorophenol	330	U	U	330	ug/kg	
SBLK123		05/12/2021	1.0	85-01-8	Phenanthrene	170	U	U	170	ug/kg	
SBLK123		05/12/2021	1.0	120-12-7	Anthracene	170	U	U	170	ug/kg	
SBLK123		05/12/2021	1.0	86-74-8	Carbazole	330	U	U	330	ug/kg	
SBLK123		05/12/2021	1.0	84-74-2	Di-n-butylphthalate	170	U	U	170	ug/kg	
SBLK123		05/12/2021	1.0	206-44-0	Fluoranthene	170	U	U	170	ug/kg	
SBLK123		05/12/2021	1.0	129-00-0	Pyrene	170	U	U	170	ug/kg	
SBLK123		05/12/2021	1.0	85-68-7	Butylbenzylphthalate	170	U	U	170	ug/kg	
SBLK123		05/12/2021	1.0	91-94-1	3,3-Dichlorobenzidine	330	U	U	330	ug/kg	
SBLK123		05/12/2021	1.0	56-55-3	Benzo(a)anthracene	170	U	U	170	ug/kg	
SBLK123		05/12/2021	1.0	218-01-9	Chrysene	170	U	U	170	ug/kg	
SBLK123		05/12/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	170	U	U	170	ug/kg	
SBLK123		05/12/2021	1.0	117-84-0	Di-n-octyl phthalate	330	U	U	330	ug/kg	
SBLK123		05/12/2021	1.0	205-99-2	Benzo(b)fluoranthene	170	U	U	170	ug/kg	
SBLK123		05/12/2021	1.0	207-08-9	Benzo(k)fluoranthene	170	U	U	170	ug/kg	
SBLK123		05/12/2021	1.0	50-32-8	Benzo(a)pyrene	170	U	U	170	ug/kg	
SBLK123		05/12/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	170	U	U	170	ug/kg	
SBLK123		05/12/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	170	U	U	170	ug/kg	
SBLK123		05/12/2021	1.0	191-24-2	Benzo(g,h,i)perylene	170	U	U	170	ug/kg	
SBLK123		05/12/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	170	U	U	170	ug/kg	
SBLK123		05/12/2021	1.0	E966796	Total Alkanes	660	B	B		ug/kg	
BG516	Sediment	04/27/2021	1.0	319-84-6	alpha-BHC	4.8	U	U	4.8	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	319-85-7	beta-BHC	4.8	U	U	4.8	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	319-86-8	delta-BHC	4.8	U	U	4.8	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	58-89-9	gamma-BHC (Lindane)	4.8	U	U	4.8	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	76-44-8	Heptachlor	4.8	U	U	4.8	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	309-00-2	Aldrin	4.8	U	U	4.8	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	1024-57-3	Heptachlor epoxide	4.8	U	U	4.8	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	959-98-8	Endosulfan I	4.8	U	U	4.8	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	60-57-1	Dieldrin	9.4	U	U	9.4	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	72-55-9	4,4'-DDE	9.4	U	U	9.4	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	72-20-8	Endrin	9.4	U	U	9.4	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	33213-65-9	Endosulfan II	9.4	U	U	9.4	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	72-54-8	4,4'-DDD	9.4	U	U	9.4	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	1031-07-8	Endosulfan Sulfate	9.4	U	U	9.4	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	50-29-3	4,4'-DDT	9.4	U	U	9.4	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	72-43-5	Methoxychlor	48	U	U	48	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	53494-70-5	Endrin ketone	9.4	U	U	9.4	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	7421-93-4	Endrin Aldehyde	9.4	U	U	9.4	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	5103-71-9	cis-Chlordane	0.36	J	J	4.8	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	5103-74-2	trans-Chlordane	4.8	U	U	4.8	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	8001-35-2	Toxaphene	480	U	U	480	ug/kg	6100-SED27A
BG597	Sediment	04/27/2021	1.0	319-84-6	alpha-BHC	2.3	U	U	2.3	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	319-85-7	beta-BHC	2.3	U	U	2.3	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	319-86-8	delta-BHC	0.74	JP	J	2.3	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	58-89-9	gamma-BHC (Lindane)	2.3	U	U	2.3	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	76-44-8	Heptachlor	2.3	U	U	2.3	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	309-00-2	Aldrin	2.3	U	U	2.3	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	1024-57-3	Heptachlor epoxide	0.65	JP	J	2.3	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	959-98-8	Endosulfan I	2.3	U	U	2.3	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	60-57-1	Dieldrin	2.7	JP	J	4.4	ug/kg	6100-SED14A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG597	Sediment	04/27/2021	1.0	72-55-9	4,4'-DDE	0.33	JP	NJ	4.4	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	72-20-8	Endrin	4.4	U	U	4.4	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	33213-65-9	Endosulfan II	4.4	U	U	4.4	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	72-54-8	4,4'-DDD	2.9	JP	J	4.4	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	1031-07-8	Endosulfan Sulfate	4.4	U	U	4.4	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	50-29-3	4,4'-DDT	1.4	JP	J	4.4	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	72-43-5	Methoxychlor	23	U	U	23	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	53494-70-5	Endrin ketone	4.4	U	U	4.4	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	7421-93-4	Endrin Aldehyde	4.4	U	U	4.4	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	5103-71-9	cis-Chlordane	9.2	P	J	2.3	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	5103-74-2	trans-Chlordane	9.3	P	J	2.3	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	8001-35-2	Toxaphene	230	U	U	230	ug/kg	6100-SED14A
BG5A0	Sediment	04/27/2021	1.0	319-84-6	alpha-BHC	4.0	U	U	4.0	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	319-85-7	beta-BHC	4.0	U	U	4.0	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	319-86-8	delta-BHC	4.0	U	U	4.0	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	58-89-9	gamma-BHC (Lindane)	4.0	U	U	4.0	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	76-44-8	Heptachlor	4.0	U	U	4.0	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	309-00-2	Aldrin	4.0	U	U	4.0	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	1024-57-3	Heptachlor epoxide	4.0	U	U	4.0	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	959-98-8	Endosulfan I	4.0	U	U	4.0	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	60-57-1	Dieldrin	7.9	U	U	7.9	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	72-55-9	4,4'-DDE	7.9	U	U	7.9	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	72-20-8	Endrin	7.9	U	U	7.9	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	33213-65-9	Endosulfan II	7.9	U	U	7.9	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	72-54-8	4,4'-DDD	7.9	U	U	7.9	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	1031-07-8	Endosulfan Sulfate	7.9	U	U	7.9	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	50-29-3	4,4'-DDT	7.9	U	U	7.9	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	72-43-5	Methoxychlor	41	U	U	41	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	53494-70-5	Endrin ketone	7.9	U	U	7.9	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	7421-93-4	Endrin Aldehyde	7.9	U	U	7.9	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	5103-71-9	cis-Chlordane	4.0	U	U	4.0	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	5103-74-2	trans-Chlordane	4.0	U	U	4.0	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	8001-35-2	Toxaphene	400	U	U	400	ug/kg	6100-SED15A
BG5A1	Sediment	04/27/2021	1.0	319-84-6	alpha-BHC	2.5	U	U	2.5	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	319-85-7	beta-BHC	2.5	U	U	2.5	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	319-86-8	delta-BHC	2.5	U	U	2.5	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	58-89-9	gamma-BHC (Lindane)	2.5	U	U	2.5	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	76-44-8	Heptachlor	2.5	U	U	2.5	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	309-00-2	Aldrin	2.5	U	U	2.5	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	1024-57-3	Heptachlor epoxide	2.5	U	U	2.5	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	959-98-8	Endosulfan I	2.5	U	U	2.5	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	60-57-1	Dieldrin	4.9	U	U	4.9	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	72-55-9	4,4'-DDE	4.9	U	U	4.9	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	72-20-8	Endrin	4.9	U	U	4.9	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	33213-65-9	Endosulfan II	4.9	U	U	4.9	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	72-54-8	4,4'-DDD	4.9	U	U	4.9	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	1031-07-8	Endosulfan Sulfate	4.9	U	U	4.9	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	50-29-3	4,4'-DDT	4.9	U	U	4.9	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	72-43-5	Methoxychlor	25	U	U	25	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	53494-70-5	Endrin ketone	4.9	U	U	4.9	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	7421-93-4	Endrin Aldehyde	4.9	U	U	4.9	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	5103-71-9	cis-Chlordane	2.5	U	U	2.5	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	5103-74-2	trans-Chlordane	2.5	U	U	2.5	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	8001-35-2	Toxaphene	250	U	U	250	ug/kg	6100-SED15B
BG5A3	Sediment	04/27/2021	1.0	319-84-6	alpha-BHC	2.7	U	U	2.7	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	319-85-7	beta-BHC	2.7	U	U	2.7	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	319-86-8	delta-BHC	2.7	U	U	2.7	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	58-89-9	gamma-BHC (Lindane)	2.7	U	U	2.7	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	76-44-8	Heptachlor	2.7	U	U	2.7	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	309-00-2	Aldrin	2.7	U	U	2.7	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	1024-57-3	Heptachlor epoxide	2.7	U	U	2.7	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	959-98-8	Endosulfan I	2.7	U	U	2.7	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	60-57-1	Dieldrin	0.29	JP	NJ	5.2	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	72-55-9	4,4'-DDE	0.16	JP	NJ	5.2	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	72-20-8	Endrin	5.2	U	U	5.2	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	33213-65-9	Endosulfan II	5.2	U	U	5.2	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	72-54-8	4,4'-DDD	0.81	JP	NJ	5.2	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	1031-07-8	Endosulfan Sulfate	5.2	U	U	5.2	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	50-29-3	4,4'-DDT	5.2	U	U	5.2	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	72-43-5	Methoxychlor	27	U	U	27	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	53494-70-5	Endrin ketone	5.2	U	U	5.2	ug/kg	6100-SED16A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG5A3	Sediment	04/27/2021	1.0	7421-93-4	Endrin Aldehyde	5.2	U	U	5.2	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	5103-71-9	cis-Chlordane	0.64	JP	J	2.7	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	5103-74-2	trans-Chlordane	0.41	JP	J	2.7	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	8001-35-2	Toxaphene	270	U	U	270	ug/kg	6100-SED16A
BG5A6	Sediment	04/27/2021	1.0	319-84-6	alpha-BHC	3.7	U	U	3.7	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	319-85-7	beta-BHC	3.7	U	U	3.7	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	319-86-8	delta-BHC	3.7	U	U	3.7	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	58-89-9	gamma-BHC (Lindane)	3.7	U	U	3.7	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	76-44-8	Heptachlor	3.7	U	U	3.7	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	309-00-2	Aldrin	3.7	U	U	3.7	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	1024-57-3	Heptachlor epoxide	3.7	U	U	3.7	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	959-98-8	Endosulfan I	3.7	U	U	3.7	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	60-57-1	Dieldrin	0.54	JP	NJ	7.3	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	72-55-9	4,4'-DDE	0.71	JP	NJ	7.3	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	72-20-8	Endrin	7.3	U	U	7.3	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	33213-65-9	Endosulfan II	7.3	U	U	7.3	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	72-54-8	4,4'-DDD	2.1	JP	J	7.3	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	1031-07-8	Endosulfan Sulfate	7.3	U	U	7.3	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	50-29-3	4,4'-DDT	3.2	JP	J	7.3	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	72-43-5	Methoxychlor	38	U	U	38	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	53494-70-5	Endrin ketone	7.3	U	U	7.3	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	7421-93-4	Endrin Aldehyde	7.3	U	U	7.3	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	5103-71-9	cis-Chlordane	1.6	JP	J	3.7	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	5103-74-2	trans-Chlordane	0.85	JP	NJ	3.7	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	8001-35-2	Toxaphene	370	U	U	370	ug/kg	6100-SED17A
BG5A9	Sediment	04/27/2021	1.0	319-84-6	alpha-BHC	2.4	U	U	2.4	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	319-85-7	beta-BHC	2.4	U	U	2.4	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	319-86-8	delta-BHC	2.4	U	U	2.4	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	58-89-9	gamma-BHC (Lindane)	2.4	U	U	2.4	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	76-44-8	Heptachlor	2.4	U	U	2.4	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	309-00-2	Aldrin	2.4	U	U	2.4	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	1024-57-3	Heptachlor epoxide	2.4	U	U	2.4	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	959-98-8	Endosulfan I	2.4	U	U	2.4	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	60-57-1	Dieldrin	4.7	U	U	4.7	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	72-55-9	4,4'-DDE	4.7	U	U	4.7	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	72-20-8	Endrin	4.7	U	U	4.7	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	33213-65-9	Endosulfan II	0.35	JP	J+	4.7	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	72-54-8	4,4'-DDD	0.52	JP	J+	4.7	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	1031-07-8	Endosulfan Sulfate	4.7	U	U	4.7	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	50-29-3	4,4'-DDT	4.7	U	U	4.7	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	72-43-5	Methoxychlor	24	U	U	24	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	53494-70-5	Endrin ketone	4.7	U	U	4.7	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	7421-93-4	Endrin Aldehyde	4.7	U	U	4.7	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	5103-71-9	cis-Chlordane	0.37	JP	J+	2.4	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	5103-74-2	trans-Chlordane	0.36	JP	NJ	2.4	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	8001-35-2	Toxaphene	240	U	U	240	ug/kg	6100-SED18A
BG5B2	Sediment	04/27/2021	1.0	319-84-6	alpha-BHC	5.2	U	U	5.2	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	319-85-7	beta-BHC	5.2	U	U	5.2	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	319-86-8	delta-BHC	0.93	JP	J+	5.2	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	58-89-9	gamma-BHC (Lindane)	5.2	U	U	5.2	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	76-44-8	Heptachlor	5.2	U	U	5.2	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	309-00-2	Aldrin	5.2	U	U	5.2	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	1024-57-3	Heptachlor epoxide	5.2	U	U	5.2	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	959-98-8	Endosulfan I	5.2	U	U	5.2	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	60-57-1	Dieldrin	0.53	JP	NJ	10	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	72-55-9	4,4'-DDE	0.61	JP	NJ	10	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	72-20-8	Endrin	10	U	U	10	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	33213-65-9	Endosulfan II	10	U	U	10	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	72-54-8	4,4'-DDD	1.7	JP	J+	10	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	1031-07-8	Endosulfan Sulfate	10	U	U	10	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	50-29-3	4,4'-DDT	10	U	U	10	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	72-43-5	Methoxychlor	52	U	U	52	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	53494-70-5	Endrin ketone	10	U	U	10	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	7421-93-4	Endrin Aldehyde	10	U	U	10	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	5103-71-9	cis-Chlordane	2.4	JP	J+	5.2	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	5103-74-2	trans-Chlordane	1.5	JP	NJ	5.2	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	8001-35-2	Toxaphene	520	U	U	520	ug/kg	6100-SED19A
BG5B5	Sediment	04/27/2021	1.0	319-84-6	alpha-BHC	3.3	U	U	3.3	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	319-85-7	beta-BHC	3.3	U	U	3.3	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	319-86-8	delta-BHC	3.3	U	U	3.3	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	58-89-9	gamma-BHC (Lindane)	3.3	U	U	3.3	ug/kg	6100-SED20A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG5B5	Sediment	04/27/2021	1.0	76-44-8	Heptachlor	3.3	U	U	3.3	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	309-00-2	Aldrin	3.3	U	U	3.3	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	1024-57-3	Heptachlor epoxide	3.3	U	U	3.3	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	959-98-8	Endosulfan I	3.3	U	U	3.3	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	60-57-1	Dieldrin	0.32	JP	NJ	6.5	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	72-55-9	4,4'-DDE	0.97	JP	J	6.5	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	72-20-8	Endrin	6.5	U	U	6.5	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	33213-65-9	Endosulfan II	6.5	U	U	6.5	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	72-54-8	4,4'-DDD	1.7	JP	J	6.5	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	1031-07-8	Endosulfan Sulfate	6.5	U	U	6.5	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	50-29-3	4,4'-DDT	0.64	JP	J	6.5	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	72-43-5	Methoxychlor	34	U	U	34	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	53494-70-5	Endrin ketone	6.5	U	U	6.5	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	7421-93-4	Endrin Aldehyde	6.5	U	U	6.5	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	5103-71-9	cis-Chlordane	2.9	JP	J	3.3	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	5103-74-2	trans-Chlordane	2.8	JP	NJ	3.3	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	8001-35-2	Toxaphene	330	U	U	330	ug/kg	6100-SED20A
PLCS122		05/04/2021	1.0	8001-35-2	Toxaphene	170	U	U	170	ug/kg	
PLCS122		05/04/2021	1.0	319-84-6	alpha-BHC	1.5	J	J	1.7	ug/kg	
PLCS122		05/04/2021	1.0	319-85-7	beta-BHC	1.4	JP	JP	1.7	ug/kg	
PLCS122		05/04/2021	1.0	319-86-8	delta-BHC	1.3	JP	JP	1.7	ug/kg	
PLCS122		05/04/2021	1.0	58-89-9	gamma-BHC (Lindane)	1.4	J	J	1.7	ug/kg	
PLCS122		05/04/2021	1.0	76-44-8	Heptachlor	1.3	J	J	1.7	ug/kg	
PLCS122		05/04/2021	1.0	309-00-2	Aldrin	1.3	J	J	1.7	ug/kg	
PLCS122		05/04/2021	1.0	1024-57-3	Heptachlor epoxide	1.4	J	J	1.7	ug/kg	
PLCS122		05/04/2021	1.0	959-98-8	Endosulfan I	1.4	J	J	1.7	ug/kg	
PLCS122		05/04/2021	1.0	60-57-1	Dieldrin	2.7	J	J	3.3	ug/kg	
PLCS122		05/04/2021	1.0	72-55-9	4,4'-DDE	2.6	J	J	3.3	ug/kg	
PLCS122		05/04/2021	1.0	72-20-8	Endrin	2.7	J	J	3.3	ug/kg	
PLCS122		05/04/2021	1.0	33213-65-9	Endosulfan II	2.9	J	J	3.3	ug/kg	
PLCS122		05/04/2021	1.0	72-54-8	4,4'-DDD	2.8	JP	JP	3.3	ug/kg	
PLCS122		05/04/2021	1.0	1031-07-8	Endosulfan Sulfate	2.9	J	J	3.3	ug/kg	
PLCS122		05/04/2021	1.0	50-29-3	4,4'-DDT	2.2	J	J	3.3	ug/kg	
PLCS122		05/04/2021	1.0	72-43-5	Methoxychlor	13	J	J	17	ug/kg	
PLCS122		05/04/2021	1.0	53494-70-5	Endrin ketone	3.1	J	J	3.3	ug/kg	
PLCS122		05/04/2021	1.0	7421-93-4	Endrin Aldehyde	3.1	J	J	3.3	ug/kg	
PLCS122		05/04/2021	1.0	5103-71-9	cis-Chlordane	1.4	J	J	1.7	ug/kg	
PLCS122		05/04/2021	1.0	5103-74-2	trans-Chlordane	1.4	J	J	1.7	ug/kg	
BG597MS	Sediment	04/27/2021	1.0	8001-35-2	Toxaphene	230	U	U	230	ug/kg	6100-SED14A
BG597MS	Sediment	04/27/2021	1.0	319-84-6	alpha-BHC	13	*		2.3	ug/kg	6100-SED14A
BG597MS	Sediment	04/27/2021	1.0	319-85-7	beta-BHC	11	*		2.3	ug/kg	6100-SED14A
BG597MS	Sediment	04/27/2021	1.0	319-86-8	delta-BHC	5.8	*		2.3	ug/kg	6100-SED14A
BG597MS	Sediment	04/27/2021	1.0	58-89-9	gamma-BHC (Lindane)	15			2.3	ug/kg	6100-SED14A
BG597MS	Sediment	04/27/2021	1.0	76-44-8	Heptachlor	14			2.3	ug/kg	6100-SED14A
BG597MS	Sediment	04/27/2021	1.0	309-00-2	Aldrin	13			2.3	ug/kg	6100-SED14A
BG597MS	Sediment	04/27/2021	1.0	1024-57-3	Heptachlor epoxide	13	*		2.3	ug/kg	6100-SED14A
BG597MS	Sediment	04/27/2021	1.0	959-98-8	Endosulfan I	12	*		2.3	ug/kg	6100-SED14A
BG597MS	Sediment	04/27/2021	1.0	60-57-1	Dieldrin	29			4.4	ug/kg	6100-SED14A
BG597MS	Sediment	04/27/2021	1.0	72-55-9	4,4'-DDE	21	*		4.4	ug/kg	6100-SED14A
BG597MS	Sediment	04/27/2021	1.0	72-20-8	Endrin	26			4.4	ug/kg	6100-SED14A
BG597MS	Sediment	04/27/2021	1.0	33213-65-9	Endosulfan II	27	*		4.4	ug/kg	6100-SED14A
BG597MS	Sediment	04/27/2021	1.0	72-54-8	4,4'-DDD	26	*		4.4	ug/kg	6100-SED14A
BG597MS	Sediment	04/27/2021	1.0	1031-07-8	Endosulfan Sulfate	21	*		4.4	ug/kg	6100-SED14A
BG597MS	Sediment	04/27/2021	1.0	50-29-3	4,4'-DDT	27			4.4	ug/kg	6100-SED14A
BG597MS	Sediment	04/27/2021	1.0	72-43-5	Methoxychlor	120	*	J-	23	ug/kg	6100-SED14A
BG597MS	Sediment	04/27/2021	1.0	53494-70-5	Endrin ketone	24	*		4.4	ug/kg	6100-SED14A
BG597MS	Sediment	04/27/2021	1.0	7421-93-4	Endrin Aldehyde	24	*		4.4	ug/kg	6100-SED14A
BG597MS	Sediment	04/27/2021	1.0	5103-71-9	cis-Chlordane	19	*		2.3	ug/kg	6100-SED14A
BG597MS	Sediment	04/27/2021	1.0	5103-74-2	trans-Chlordane	22	P*	J	2.3	ug/kg	6100-SED14A
BG597MSD	Sediment	04/27/2021	1.0	8001-35-2	Toxaphene	230	U	U	230	ug/kg	6100-SED14A
BG597MSD	Sediment	04/27/2021	1.0	319-84-6	alpha-BHC	12	*		2.3	ug/kg	6100-SED14A
BG597MSD	Sediment	04/27/2021	1.0	319-85-7	beta-BHC	9.9	*		2.3	ug/kg	6100-SED14A
BG597MSD	Sediment	04/27/2021	1.0	319-86-8	delta-BHC	5.4	*		2.3	ug/kg	6100-SED14A
BG597MSD	Sediment	04/27/2021	1.0	58-89-9	gamma-BHC (Lindane)	15			2.3	ug/kg	6100-SED14A
BG597MSD	Sediment	04/27/2021	1.0	76-44-8	Heptachlor	13			2.3	ug/kg	6100-SED14A
BG597MSD	Sediment	04/27/2021	1.0	309-00-2	Aldrin	12			2.3	ug/kg	6100-SED14A
BG597MSD	Sediment	04/27/2021	1.0	1024-57-3	Heptachlor epoxide	12	*		2.3	ug/kg	6100-SED14A
BG597MSD	Sediment	04/27/2021	1.0	959-98-8	Endosulfan I	11	*		2.3	ug/kg	6100-SED14A
BG597MSD	Sediment	04/27/2021	1.0	60-57-1	Dieldrin	27			4.4	ug/kg	6100-SED14A
BG597MSD	Sediment	04/27/2021	1.0	72-55-9	4,4'-DDE	20	*		4.4	ug/kg	6100-SED14A
BG597MSD	Sediment	04/27/2021	1.0	72-20-8	Endrin	25			4.4	ug/kg	6100-SED14A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG597MSD	Sediment	04/27/2021	1.0	33213-65-9	Endosulfan II	26	*		4.4	ug/kg	6100-SED14A
BG597MSD	Sediment	04/27/2021	1.0	72-54-8	4,4'-DDD	24	*		4.4	ug/kg	6100-SED14A
BG597MSD	Sediment	04/27/2021	1.0	1031-07-8	Endosulfan Sulfate	21	*		4.4	ug/kg	6100-SED14A
BG597MSD	Sediment	04/27/2021	1.0	50-29-3	4,4'-DDT	25			4.4	ug/kg	6100-SED14A
BG597MSD	Sediment	04/27/2021	1.0	72-43-5	Methoxychlor	120	*	J-	23	ug/kg	6100-SED14A
BG597MSD	Sediment	04/27/2021	1.0	53494-70-5	Endrin ketone	23	*		4.4	ug/kg	6100-SED14A
BG597MSD	Sediment	04/27/2021	1.0	7421-93-4	Endrin Aldehyde	23	*		4.4	ug/kg	6100-SED14A
BG597MSD	Sediment	04/27/2021	1.0	5103-71-9	cis-Chlordane	18	*		2.3	ug/kg	6100-SED14A
BG597MSD	Sediment	04/27/2021	1.0	5103-74-2	trans-Chlordane	19	P*	J	2.3	ug/kg	6100-SED14A
PBLK122		05/04/2021	1.0	319-84-6	alpha-BHC	1.7	U	U	1.7	ug/kg	
PBLK122		05/04/2021	1.0	319-85-7	beta-BHC	1.7	U	U	1.7	ug/kg	
PBLK122		05/04/2021	1.0	319-86-8	delta-BHC	1.7	U	U	1.7	ug/kg	
PBLK122		05/04/2021	1.0	58-89-9	gamma-BHC (Lindane)	1.7	U	U	1.7	ug/kg	
PBLK122		05/04/2021	1.0	76-44-8	Heptachlor	1.7	U	U	1.7	ug/kg	
PBLK122		05/04/2021	1.0	309-00-2	Aldrin	1.7	U	U	1.7	ug/kg	
PBLK122		05/04/2021	1.0	1024-57-3	Heptachlor epoxide	1.7	U	U	1.7	ug/kg	
PBLK122		05/04/2021	1.0	959-98-8	Endosulfan I	1.7	U	U	1.7	ug/kg	
PBLK122		05/04/2021	1.0	60-57-1	Dieldrin	3.3	U	U	3.3	ug/kg	
PBLK122		05/04/2021	1.0	72-55-9	4,4'-DDE	3.3	U	U	3.3	ug/kg	
PBLK122		05/04/2021	1.0	72-20-8	Endrin	3.3	U	U	3.3	ug/kg	
PBLK122		05/04/2021	1.0	33213-65-9	Endosulfan II	3.3	U	U	3.3	ug/kg	
PBLK122		05/04/2021	1.0	72-54-8	4,4'-DDD	3.3	U	U	3.3	ug/kg	
PBLK122		05/04/2021	1.0	1031-07-8	Endosulfan Sulfate	3.3	U	U	3.3	ug/kg	
PBLK122		05/04/2021	1.0	50-29-3	4,4'-DDT	3.3	U	U	3.3	ug/kg	
PBLK122		05/04/2021	1.0	72-43-5	Methoxychlor	17	U	U	17	ug/kg	
PBLK122		05/04/2021	1.0	53494-70-5	Endrin ketone	3.3	U	U	3.3	ug/kg	
PBLK122		05/04/2021	1.0	7421-93-4	Endrin Aldehyde	3.3	U	U	3.3	ug/kg	
PBLK122		05/04/2021	1.0	5103-71-9	cis-Chlordane	1.7	U	U	1.7	ug/kg	
PBLK122		05/04/2021	1.0	5103-74-2	trans-Chlordane	1.7	U	U	1.7	ug/kg	
PBLK122		05/04/2021	1.0	8001-35-2	Toxaphene	170	U	U	170	ug/kg	
BG516	Sediment	04/27/2021	1.0	12674-11-2	Aroclor-1016	94	U	U	94	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	11104-28-2	Aroclor-1221	94	U	U	94	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	11141-16-5	Aroclor-1232	94	U	U	94	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	53469-21-9	Aroclor-1242	94	U	U	94	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	12672-29-6	Aroclor-1248	94	U	U	94	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	11097-69-1	Aroclor-1254	94	U	U	94	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	11096-82-5	Aroclor-1260	94	U	U	94	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	37324-23-5	Aroclor-1262	94	U	U	94	ug/kg	6100-SED27A
BG516	Sediment	04/27/2021	1.0	11100-14-4	Aroclor-1268	94	U	U	94	ug/kg	6100-SED27A
BG597	Sediment	04/27/2021	1.0	12674-11-2	Aroclor-1016	44	U	U	44	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	11104-28-2	Aroclor-1221	44	U	U	44	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	11141-16-5	Aroclor-1232	44	U	U	44	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	53469-21-9	Aroclor-1242	44	U	U	44	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	12672-29-6	Aroclor-1248	44	U	U	44	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	11097-69-1	Aroclor-1254	44	U	U	44	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	11096-82-5	Aroclor-1260	16	JP	J	44	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	37324-23-5	Aroclor-1262	44	U	U	44	ug/kg	6100-SED14A
BG597	Sediment	04/27/2021	1.0	11100-14-4	Aroclor-1268	44	U	U	44	ug/kg	6100-SED14A
BG5A0	Sediment	04/27/2021	1.0	12674-11-2	Aroclor-1016	78	U	U	78	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	11104-28-2	Aroclor-1221	78	U	U	78	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	11141-16-5	Aroclor-1232	78	U	U	78	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	53469-21-9	Aroclor-1242	78	U	U	78	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	12672-29-6	Aroclor-1248	78	U	U	78	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	11097-69-1	Aroclor-1254	78	U	U	78	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	11096-82-5	Aroclor-1260	78	U	U	78	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	37324-23-5	Aroclor-1262	78	U	U	78	ug/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1.0	11100-14-4	Aroclor-1268	78	U	U	78	ug/kg	6100-SED15A
BG5A1	Sediment	04/27/2021	1.0	12674-11-2	Aroclor-1016	49	U	U	49	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	11104-28-2	Aroclor-1221	49	U	U	49	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	11141-16-5	Aroclor-1232	49	U	U	49	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	53469-21-9	Aroclor-1242	49	U	U	49	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	12672-29-6	Aroclor-1248	49	U	U	49	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	11097-69-1	Aroclor-1254	49	U	U	49	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	11096-82-5	Aroclor-1260	49	U	U	49	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	37324-23-5	Aroclor-1262	49	U	U	49	ug/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1.0	11100-14-4	Aroclor-1268	49	U	U	49	ug/kg	6100-SED15B
BG5A3	Sediment	04/27/2021	1.0	12674-11-2	Aroclor-1016	52	U	U	52	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	11104-28-2	Aroclor-1221	52	U	U	52	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	11141-16-5	Aroclor-1232	52	U	U	52	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	53469-21-9	Aroclor-1242	52	U	U	52	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	12672-29-6	Aroclor-1248	52	U	U	52	ug/kg	6100-SED16A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG5A3	Sediment	04/27/2021	1.0	11097-69-1	Aroclor-1254	52	U	U	52	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	11096-82-5	Aroclor-1260	52	U	U	52	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	37324-23-5	Aroclor-1262	52	U	U	52	ug/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1.0	11100-14-4	Aroclor-1268	52	U	U	52	ug/kg	6100-SED16A
BG5A6	Sediment	04/27/2021	1.0	12674-11-2	Aroclor-1016	73	U	U	73	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	11104-28-2	Aroclor-1221	73	U	U	73	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	11141-16-5	Aroclor-1232	73	U	U	73	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	53469-21-9	Aroclor-1242	73	U	U	73	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	12672-29-6	Aroclor-1248	73	U	U	73	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	11097-69-1	Aroclor-1254	73	U	U	73	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	11096-82-5	Aroclor-1260	73	U	U	73	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	37324-23-5	Aroclor-1262	73	U	U	73	ug/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1.0	11100-14-4	Aroclor-1268	73	U	U	73	ug/kg	6100-SED17A
BG5A9	Sediment	04/27/2021	1.0	12674-11-2	Aroclor-1016	47	U	U	47	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	11104-28-2	Aroclor-1221	47	U	U	47	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	11141-16-5	Aroclor-1232	47	U	U	47	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	53469-21-9	Aroclor-1242	47	U	U	47	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	12672-29-6	Aroclor-1248	47	U	U	47	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	11097-69-1	Aroclor-1254	47	U	U	47	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	11096-82-5	Aroclor-1260	47	U	U	47	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	37324-23-5	Aroclor-1262	47	U	U	47	ug/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1.0	11100-14-4	Aroclor-1268	47	U	U	47	ug/kg	6100-SED18A
BG5B2	Sediment	04/27/2021	1.0	12674-11-2	Aroclor-1016	100	U	U	100	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	11104-28-2	Aroclor-1221	100	U	U	100	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	11141-16-5	Aroclor-1232	100	U	U	100	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	53469-21-9	Aroclor-1242	100	U	U	100	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	12672-29-6	Aroclor-1248	100	U	U	100	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	11097-69-1	Aroclor-1254	100	U	U	100	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	11096-82-5	Aroclor-1260	100	U	U	100	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	37324-23-5	Aroclor-1262	100	U	U	100	ug/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1.0	11100-14-4	Aroclor-1268	100	U	U	100	ug/kg	6100-SED19A
BG5B5	Sediment	04/27/2021	1.0	12674-11-2	Aroclor-1016	65	U	UJ	65	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	11104-28-2	Aroclor-1221	65	U	UJ	65	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	11141-16-5	Aroclor-1232	65	U	UJ	65	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	53469-21-9	Aroclor-1242	65	U	UJ	65	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	12672-29-6	Aroclor-1248	65	U	UJ	65	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	11097-69-1	Aroclor-1254	65	U	UJ	65	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	11096-82-5	Aroclor-1260	65	U	UJ	65	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	37324-23-5	Aroclor-1262	65	U	UJ	65	ug/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1.0	11100-14-4	Aroclor-1268	65	U	UJ	65	ug/kg	6100-SED20A
ALCS107		05/03/2021	1.0	11104-28-2	Aroclor-1221	33	U	U	33	ug/kg	
ALCS107		05/03/2021	1.0	11141-16-5	Aroclor-1232	33	U	U	33	ug/kg	
ALCS107		05/03/2021	1.0	53469-21-9	Aroclor-1242	33	U	U	33	ug/kg	
ALCS107		05/03/2021	1.0	12672-29-6	Aroclor-1248	33	U	U	33	ug/kg	
ALCS107		05/03/2021	1.0	11097-69-1	Aroclor-1254	33	U	U	33	ug/kg	
ALCS107		05/03/2021	1.0	37324-23-5	Aroclor-1262	33	U	U	33	ug/kg	
ALCS107		05/03/2021	1.0	11100-14-4	Aroclor-1268	33	U	U	33	ug/kg	
ALCS107		05/03/2021	1.0	12674-11-2	Aroclor-1016	30	J	J	33	ug/kg	
ALCS107		05/03/2021	1.0	11096-82-5	Aroclor-1260	29	J	J	33	ug/kg	
BG597MS	Sediment	04/27/2021	1.0	11104-28-2	Aroclor-1221	44	U	U	44	ug/kg	6100-SED14A
BG597MS	Sediment	04/27/2021	1.0	11141-16-5	Aroclor-1232	44	U	U	44	ug/kg	6100-SED14A
BG597MS	Sediment	04/27/2021	1.0	53469-21-9	Aroclor-1242	44	U	U	44	ug/kg	6100-SED14A
BG597MS	Sediment	04/27/2021	1.0	12672-29-6	Aroclor-1248	44	U	U	44	ug/kg	6100-SED14A
BG597MS	Sediment	04/27/2021	1.0	11097-69-1	Aroclor-1254	44	U	U	44	ug/kg	6100-SED14A
BG597MS	Sediment	04/27/2021	1.0	37324-23-5	Aroclor-1262	44	U	U	44	ug/kg	6100-SED14A
BG597MS	Sediment	04/27/2021	1.0	11100-14-4	Aroclor-1268	44	U	U	44	ug/kg	6100-SED14A
BG597MS	Sediment	04/27/2021	1.0	12674-11-2	Aroclor-1016	140			44	ug/kg	6100-SED14A
BG597MS	Sediment	04/27/2021	1.0	11096-82-5	Aroclor-1260	150			44	ug/kg	6100-SED14A
BG597MSD	Sediment	04/27/2021	1.0	11104-28-2	Aroclor-1221	44	U	U	44	ug/kg	6100-SED14A
BG597MSD	Sediment	04/27/2021	1.0	11141-16-5	Aroclor-1232	44	U	U	44	ug/kg	6100-SED14A
BG597MSD	Sediment	04/27/2021	1.0	53469-21-9	Aroclor-1242	44	U	U	44	ug/kg	6100-SED14A
BG597MSD	Sediment	04/27/2021	1.0	12672-29-6	Aroclor-1248	44	U	U	44	ug/kg	6100-SED14A
BG597MSD	Sediment	04/27/2021	1.0	11097-69-1	Aroclor-1254	44	U	U	44	ug/kg	6100-SED14A
BG597MSD	Sediment	04/27/2021	1.0	37324-23-5	Aroclor-1262	44	U	U	44	ug/kg	6100-SED14A
BG597MSD	Sediment	04/27/2021	1.0	11100-14-4	Aroclor-1268	44	U	U	44	ug/kg	6100-SED14A
BG597MSD	Sediment	04/27/2021	1.0	12674-11-2	Aroclor-1016	140			44	ug/kg	6100-SED14A
BG597MSD	Sediment	04/27/2021	1.0	11096-82-5	Aroclor-1260	150			44	ug/kg	6100-SED14A
ABLK107		05/03/2021	1.0	12674-11-2	Aroclor-1016	33	U	U	33	ug/kg	
ABLK107		05/03/2021	1.0	11104-28-2	Aroclor-1221	33	U	U	33	ug/kg	
ABLK107		05/03/2021	1.0	11141-16-5	Aroclor-1232	33	U	U	33	ug/kg	
ABLK107		05/03/2021	1.0	53469-21-9	Aroclor-1242	33	U	U	33	ug/kg	

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
ABLK107		05/03/2021	1.0	12672-29-6	Aroclor-1248	33	U	U	33	ug/kg	
ABLK107		05/03/2021	1.0	11097-69-1	Aroclor-1254	33	U	U	33	ug/kg	
ABLK107		05/03/2021	1.0	11096-82-5	Aroclor-1260	33	U	U	33	ug/kg	
ABLK107		05/03/2021	1.0	37324-23-5	Aroclor-1262	33	U	U	33	ug/kg	
ABLK107		05/03/2021	1.0	11100-14-4	Aroclor-1268	33	U	U	33	ug/kg	

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
LSASD/HWSB/HWSS
2890 Woodbridge Avenue, Edison, NJ 08837

EXECUTIVE NARRATIVE

Case No.: 49391
Site: Coney Island Creek
Number of Samples: 12 (SW), 5 (Water)
Analysis: VOA, SVOA, PEST, ARO

SDG No.: BG528
Laboratory: Chemtech Consulting Group
Sampling dates: 06/17/2020-06/23/2020
Validation SOP: HW-33A (Rev 1), HW-35A (Rev 1), HW-36A (Rev 1), HW-37A (Rev 0)

QAPP:
Contractor: Weston Solutions, Inc
Reference: DCN: SAT-V.6102.0022, April 1, 2021

SUMMARY OF DEFINITIONS:
Critical: Results have an unacceptable level of uncertainty and should not be used for making decisions. Data have been qualified "R" rejected.
Major: A level of uncertainty exists that may not meet the data quality objectives for the project. A bias is likely to be present in the results. Data has been qualified "J" estimated. "J+" and "J-" represent likely direction of the bias.
Minor: The level of uncertainty is acceptable. No significant bias in the data was observed.

Critical Findings:
None.

Major Findings:
The following samples have analytes that have been qualified "J", "J+" or "J-".
VOA: BG530, BG541
SVOA: BG529, BG545
PEST: BG532, BG533, BG534, BG536, BG537, BG538
ARO: BG545

Minor Findings:
One or more analytes in one or more samples are qualified "J" due to results between MDL and CRQL.

COMMENTS:	**VOA, SVOA, PEST:** One or more non-detected analytes exceeded the project action levels for one or more samples.

Reviewer Name(s): Raxa J. Shelley

Approver's Signature:

Date: 06/08/2021

Name: Russell Arnone

Affiliation: USEPA/R2/HWSB/HWSS

Data Qualifier Definitions (National Functional Guidelines)			
Qualifier Symbol	**Explanation**		
	INORGANICS	**ORGANICS**	**CHLORINATED DIOXIN/FURAN**
U	The analyte was analyzed for, but was not detected above the level of the reported quantitation limit.	The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted Contract Required Quantitation Limit (CRQL) for sample and method	The analyte was analyzed for but not detected. The value preceding the "U" may represent the adjusted Contract Required Quantitation Limit (see DLM02.X, Exhibit D, Section 1.2 and Table 2), or the sample specific estimated detection limit (EDL, see Method 8290A, Section 11.9.5).
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to an issue with the quality of the data generated because certain QC criteria were not met, or the concentration of the analyte was below the adjusted CRQL).
J+	The result is an estimated quantity, but the result may be biased high.	The result is an estimated quantity, but the result may be biased high.	
J–	The result is an estimated quantity, but the result may be biased low.	The result is an estimated quantity, but the result may be biased low.	
UJ	The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.	The analyte was not detected at a level greater than or equal to the adjusted CRQL. However, the reported adjusted CRQL is approximate and may be inaccurate or imprecise.	The analyte was not detected (see definition of "U" flag, above). The reported value should be considered approximate.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
N		The analysis indicates the presence of an analyte for which there is presumptive evidence to make a “tentative identification”.	
NJ		The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	
C		This qualifier applies to pesticide and Aroclor results when the identification has been confirmed by Gas Chromatograph/Mass Spectrometer (GC/MS).	
X		This qualifier applies to pesticide and Aroclor results when GC/MS analysis was attempted but was unsuccessful.	

DATA ASSESSMENT

ANALYSIS: VOA

The current SOP HW-33A (Rev 1) September 2016, USEPA Region II for the evaluation of Volatile organic data, and all related Change Request Forms (CRF) for this SOP, generated through Statement of Work SFAM01.1, and any future editorial revisions of SFAM01.1 has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report. Tentatively Identified Compounds (TICs) for VOA organic fraction is not validated.

1. HOLDING TIME AND PRESERVATION:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". The non-detects (sample quantitation limits) will be flagged as estimated, "J", or unusable, "R", if the holding times are grossly exceeded. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. DEUTERATED MONITORING COMPOUNDS (DMC's):

All samples are spiked with DMC compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured DMC recovery limits were outside Table 6 of the SOP HW-33A (Rev 1) qualifications were applied as per Table 7 SOP HW-33A (Rev 1) to all the samples and analytes as shown below.

The following samples have DMC percent recovery values less than the primary lower limit but greater than or equal to the expanded lower limit of the criteria window. Detected compounds are qualified J-. Non-detected compounds are qualified UJ.

1,1-Dichloroethene-d2 BG530, BG541
trans-1,2-Dichloroethene, cis-1,2-Dichloroethene, 1,1-Dichloroethene

The following samples have DMC percent recoveries above the upper limit of the criteria window. Detected compounds are qualified J+. Non-detected compounds are not qualified.

2-Butanone-d5 BG530
Acetone, 2-Butanone

2-Hexanone-d5 BG530, BG531, BG536, BG539
4-Methyl-2-pentanone, 2-Hexanone

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD):

MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with

other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

Not applicable.

4. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, trip, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the amount of contamination present in the QA blanks, the analytes are qualified as per Table 5 of SOP HW-33A (Rev 1).

A) Method blank contamination:

The following samples have analyte concentrations reported less than the CRQL. The associated method blank concentration is less than the CRQL. Detected compounds are qualified U. Non-detected compounds are not qualified. Sample concentrations have been reported at the CRQLs.

Chloroform BG528, BG529, BG530, BG531, BG532, BG533, BG534, BG536, BG537, BG538, BG539, BG548

B) Field or rinse blank contamination: BG545, BG546

No additional qualification is required due to rinse blank contamination**.**

C) Trip blank contamination: BG540, BG541, BG542

The following samples have common contaminant analyte concentrations reported less than 2x the CRQL. The associated trip blank has common contaminant analyte concentration less than 2x the CRQL. Detected compounds are qualified U. Non-detected compounds are not qualified. Sample concentrations have been reported at the CRQLs.

Acetone BG528, BG529, BG530, BG531, BG532, BG533, BG534, BG536, BG537, BG538, BG539, BG548

D) Storage Blank associated with VOA samples only:

No problems were found for this criterion.

E) Tentatively Identified Compounds:

Tentatively Identified Compounds (TICs) for VOA organic fractions are not validated.

5. MASS SPECTROMETER TUNING:

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The

tuning standard for volatile organics is (BFB) Bromofluorobenzene. If the mass calibration is in error, all associated data will be classified as unusable "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:

The response factor measures the instrument's response to specific chemical compounds. All analytes for initial calibration, ICV and continuing calibration should meet the minimum RRF criteria as listed in Table 2 of SOP HW-33A (Rev 1). If RRF is less than minimum RRF specified in Table 2 for all target analytes, use professional judgment and all detects in the sample will be qualified as "J+" or "R". All non-detects for that compound will be rejected "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration.

Percent RSD must be less than maximum %RSD in Table 2 of SOP HW-33A (Rev 1) for all target analytes. For the Initial Calibration Verification ICV/opening or closing CCV %D must be within the inclusive opening or closing maximum %D limits as listed in Table 2 of SOP HW-33A (Rev 1) for all Target compounds. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and Non-detects are flagged "UJ" for %D values outside criteria only. If %RSD exceeds QC criteria, detects may be qualified as "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

7. INTERNAL STANDARDS PERFORMANCE GC/MS:

Internal standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must be in the range as specified in Table 9 of SOP HW-33A (Rev 1) of the associated continuing calibration internal standard area. The retention time of the internal standards must be within the range as specified in Table 9 of SOP HW-33A (Rev 1). If the area count is

greater than, all positive results quantitated using that IS are qualified as estimated "J-", and non-detects are not qualified. If the area count is less than the associated standard, all positive results for compounds quantitated with that IS are qualified as estimated "J+" and all non-detects are qualified "R".

If an internal standard retention time were not met as specified in Table 9 of SOP HW-33A (Rev 1), the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample fraction. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

8. FIELD DUPLICATES: BG530 and BG548

No problems were found for this criterion.

9. COMPOUND IDENTIFICATION:

Target compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within a window of 0.06 RRT units of the standard compound and have ion spectra which has a ratio of the primary and secondary m/z intensities within 20% of that in the standard compound. For the tentatively identified compounds (TIC) the ion spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

10. CONTRACT PROBLEMS NON-COMPLIANCE:

None.

11. FIELD DOCUMENTATION:

No problems were identified.

12. OTHER PROBLEMS:

None.

13. DILUTIONS, RE-EXTRACTIONS & REANALYSIS:

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are used. See summary report and EDD for applicable samples and analytes.

ANALYSIS: SVOA

The current SOP HW-35A (Rev 1) September 2016, USEPA Region II for the evaluation of Semi-Volatile organic data, and all related Change Request Forms (CRF) for this SOP,

generated through Statement of Work SFAM01.1, and any future editorial revisions of SFAM01.1 has been applied. Data has been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report. Tentatively Identified Compounds (TICs) for BNA organic fraction is not validated.

1. HOLDING TIME AND PRESERVATION:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded, qualifications will be applied as per SOP HW-35A (Rev 1).

No problems were found for this criterion.

2. DEUTERATED MONITORING COMPOUNDS (DMCs):

All samples are spiked with DMC compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured DMC recovery limits were outside Table 6 of SOP HW-35A (Rev 1), qualifications were applied as per Table 7 of SOP HW-35A (Rev 1) to all the samples and analytes as shown below.

The following samples have DMC percent recoveries less than the primary lower limit but greater than or equal to the expanded lower limit of the criteria window. Detected compounds are qualified J-. Non-detected compounds are qualified UJ.

4-Nitrophenol-d4 BG529, BG545
2-Nitroaniline, 3-Nitroaniline, 2,4-Dinitrophenol, 4-Nitrophenol, 4-Nitroaniline

The following sample has DMC percent recovery above the upper limit of the criteria window. Detected compounds are qualified J+. Non-detected compounds are not qualified.

Pyrene-d10 BG546
Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATES (MS/MSD):

MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

Not applicable.

4. LABORATORY CONTROL RECOVERY (LCS):

LCS data is generated to determine the long-term precision and accuracy of the analytical method. The LCS may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

5. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, trip, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the amount of contamination present in the QA blanks, the analytes are qualified as per Table 5 of SOP HW-35A (Rev 1).

A) Method blank contamination:

No problems were found for this criterion.

B) Field or rinse blank contamination: BG545, BG546

No qualification is required due to rinse blank contamination**.**

C) Tentatively Identified Compounds:

Tentatively Identified Compounds (TICs) for BNA organic fraction are not validated.

6. MASS SPECTROMETER TUNING:

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for Semi-volatiles is Decafluorotriphenyl-phosphine (DFTPP). If the mass calibration is in error, all associated data will be classified as unusable "R".

No problems were found for this criterion.

7. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:

The response factor measures the instrument's response to specific chemical compounds. All analytes for initial calibration, ICV and continuing calibration should meet the minimum RRF criteria as listed in Table 2 of SOP HW-35A (Rev 1). If RRF is less than minimum RRF as specified in Table 2 for all target analytes, use professional judgment and all detects in the sample will be qualified as "J+" or "R". All non-detects for that compound will be rejected "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration. Percent D is a measure of the instrument's daily performance.

Percent RSD must be less than maximum %RSD in Table 2 of SOP HW-35A (Rev 1) for all target analytes. For the ICV/opening or closing CCV %D must be within the inclusive opening or closing maximum %D limits as listed in Table 2 of SOP HW-35A (Rev 1) for all Target compounds. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and Non-detects are flagged "UJ" for %D values outside criteria only. If %RSD exceeds QC criteria, detects may be qualified as "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

8. INTERNAL STANDARDS PERFORMANCE GC/MS:

Internal standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must be in the range as specified in Table 10 of SOP HW-35A (Rev 1) of the associated continuing calibration internal standard area. The retention time of the internal standards must be within the range as specified in Table 10 of SOP HW-35A (Rev 1). If the area count is greater than, all positive results quantitated using that IS are qualified as estimated "J-", and non-detects are not qualified. If the area count is less than the associated standard, all positive results for compounds quantitated with that IS are qualified as estimated "J+" and all non-detects are qualified "R".

If an internal standard retention time were not met as specified in Table 10 of SOP HW-35A (Rev 1), the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample fraction. Qualifications were applied to the samples and analytes as shown below. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

9. FIELD DUPLICATES: BG530 and BG548

No problems were found for this criterion.

10. COMPOUND IDENTIFICATION:

TCL compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within 0.06 RRT units of the standard compound and have ion spectra which have a ratio of the primary and secondary m/e intensities within 20% of that in the standard compound. For the tentatively identified compounds (TIC) the ion spectra must match accurately. In the cases where there is not

an adequate ion spectrum match, the laboratory may have provided false positive identifications. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

11. CONTRACT PROBLEMS NON-COMPLIANCE:

None.

12. FIELD DOCUMENTATION:

No problems were identified.

13. OTHER PROBLEMS:

None.

14. DILUTIONS, RE-EXTRACTIONS and REANALYSIS:

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are used. See summary report and EDD for applicable samples and analytes.

ANALYSIS: PEST

The current SOP HW-36A (Rev 1) October 2016, USEPA Region II for the evaluation of Pesticides data, and all related Change Request Forms (CRF) for this SOP, generated through Statement of Work SFAM01.1, and any future editorial revisions of SFAM01.1 has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report.

1. HOLDING TIME AND PRESERVATION:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". Use professional judgment to qualify the non-detects (sample quantitation limits), if the holding times are grossly exceeded. If the holding times are grossly exceeded. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. SURROGATES:

All samples are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured surrogate recovery were outside Table 7 of the SOP HW-36A (Rev 1), qualifications were applied to the samples and analytes as shown below.
The following sample has surrogate recovery above the upper limit of the criteria window.

Detected compounds are qualified J+. Non-detected compounds are not qualified.

Tetrachloro-m-xylene BG537
alpha-BHC, beta-BHC, delta-BHC, gamma-BHC (Lindane), Heptachlor, Aldrin, Heptachlor epoxide, Endosulfan I, Dieldrin, 4,4'-DDE, Endrin, Endosulfan II, 4,4'-DDD, Endosulfan sulfate, 4,4'-DDT, Methoxychlor, Endrin ketone, Endrin aldehyde, cis-Chlordane, trans-Chlordane, Toxaphene

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD):

MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

4. LABORATORY CONTROL RECOVERY (LCS):

LCS data is generated to determine the long-term precision and accuracy of the analytical method. The LCS may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

5. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the concentration of the analyte in the blank, the analytes are qualified as non-detects, "U". Qualifications were applied to the samples and analytes as shown below.

A) Method/Instrument blank contamination:

No problems were found for this criterion.

B) Field or rinse blank contamination: BG545, BG546

No problems were found for this criterion.

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):

If %RSD exceeds 20% for all analytes except alpha-BHC and delta-BHC 25%, for the two surrogates and Toxaphene 30%, qualify all associated positive results "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) The Percent Difference (%D) for each of the SCP in the PEM used for CCV must be within ±25.0%. The Percent Difference (%D) for target analyte in the Calibration Verification Standard (CS3) used for CCV must be within ±25.0%. If the %D is not within limits, associated detected compounds are qualified "J" and associated non-detected compounds are qualified "UJ". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

7. FIELD DUPLICATES: BG530 and BG548

No problems were found for this criterion.

8. COMPOUND IDENTIFICATION:

The retention times of reported compounds must fall within the calculated retention time windows for the two chromatographic columns and a GC/MS confirmation is required if the concentration exceeds 10ng/ml in the final sample extract. Qualifications were applied to the samples and analytes as shown below.

Percent Differences	**Qualifier**
0% - 25%	No qualification
26% - 200%	J
>200% (interference detected)	NJ
>200% (interference not detected)	NJ

The following samples were qualified for % difference on the two columns.

BG532, BG533, BG534, BG536, BG537, BG538

9. CONTRACT PROBLEMS NON-COMPLIANCE:

None.

10. FIELD DOCUMENTATION:

No problems were identified.

11. OTHER PROBLEMS:

None.

12. DILUTIONS, RE-EXTRACTIONS & REANALYSIS:

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are used. See summary report and EDD for applicable samples and analytes.

ANALYSIS: ARO

The current SOP HW-37A (Rev 0) June 2015, USEPA Region II for the evaluation of ARO data, and all related Change Request Forms (CRF) for this SOP, generated through Statement of Work SFAM01.1, and any future editorial revisions of SFAM01.1 has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report.

1. HOLDING TIME AND PRESERVATION:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". Use professional judgment to qualify the non-detects (sample quantitation limits), if the holding times are grossly exceeded. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. SURROGATES:

All samples are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured surrogate recovery were outside Table 5 of the SOP HW-37A (Rev 0), qualifications were applied to the samples and analytes as shown below.

The following sample has surrogate percent recovery less than the primary lower limit but greater than or equal to the expanded lower limit of the criteria window. Detected compounds are qualified J-. Non-detected compounds are qualified UJ.

Decachlorobiphenyl BG545
Aroclor-1016, Aroclor-1221, Aroclor-1232, Aroclor-1242, Aroclor-1248, Aroclor-1254, Aroclor-1260, Aroclor-1262, Aroclor-1268

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD):

MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

4. Laboratory Control Samples (LCS):

LCS data provides information on the accuracy of the analytical method and laboratory performance. If LCS recoveries fell outside of the acceptable limits, qualifications were applied to the associated samples and compounds as shown below.

No problems were found for this criterion.

5. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the concentration of the analyte in the blank, the analytes are qualified as non-detects U. Qualifications were applied to the samples and analytes as shown below.

A) Method/Instrument blank contamination:

No problems were found for this criterion.

B) Field or rinse blank contamination: BG545, BG546

No problems were found for this criterion.

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Percent Relative Standard Deviation (%RSD):

If %RSD exceeds 20% for all analytes and the two surrogates, qualify all associated positive results "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) Percent Difference (%D):

For opening CCV, or closing CCV that is used as an opening CCV for the next 12-hour period, if %D exceeds 25% for analytes and 30% for the two surrogates, qualify all associated positive results "J" and non-detects "UJ".

For closing CCV, if %D exceeds 50% for all analytes and the two surrogates, qualify all associated positive results "J" and non-detects "UJ". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

7. FIELD DUPLICATES: BG530 and BG548

No problems were found for this criterion.

8. COMPOUND IDENTIFICATION:

The retention times of reported compounds must fall within the calculated retention time windows for the two chromatographic columns and a GC/MS confirmation is required if the concentration exceeds 10ng/ml in the final sample extract. Qualifications were applied to the samples and analytes as shown below.

Percent Differences	**Qualifier**
0% - 25%	No qualification
26% - 200%	J
>200% (interference detected)	NJ
>200% (interference not detected)	NJ

The following samples were qualified for % difference on the two columns.

None.

9. CONTRACT PROBLEMS NON-COMPLIANCE:

None.

10. FIELD DOCUMENTATION:

No problems were identified.

11. OTHER PROBLEMS:

None.

12. DILUTIONS, RE-EXTRACTIONS & RE-ANALYSIS:

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are used. See summary report and EDD for applicable samples and analytes.

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Sample Number: ABLK825	Method: Aroclors	Matrix: Water	MA Number:
Sample Location:	pH: 6	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1221	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1232	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1242	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1248	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1254	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1260	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1262	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1268	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Sample Number: ALCS825	Method: Aroclors	Matrix: Water	MA Number:
Sample Location:	pH: 6	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Spike	1	J	ug/L	1		1.0	YES	S3VEM
Aroclor-1221	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1232	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1242	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1248	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1254	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1260	Spike	0.98	J	ug/L	0.98	J	1.0	YES	S3VEM
Aroclor-1262	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1268	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW01

Sample Number: BG528	Method: Aroclors	Matrix: Water	MA Number:
Sample Location: SED01/SW01	pH: 6	Sample Date: 04/13/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1221	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1232	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1242	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1248	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1254	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1260	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1262	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1268	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW01

Sample Number: BG528	Method: Pesticides	Matrix: Water	MA Number:
Sample Location: SED01/SW01	pH: 6	Sample Date: 04/13/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.060	U	ug/L	0.060	U	1.0	YES	S3VEM
beta-BHC	Target	0.060	U	ug/L	0.060	U	1.0	YES	S3VEM
delta-BHC	Target	0.060	U	ug/L	0.060	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.060	U	ug/L	0.060	U	1.0	YES	S3VEM
Heptachlor	Target	0.060	U	ug/L	0.060	U	1.0	YES	S3VEM
Aldrin	Target	0.060	U	ug/L	0.060	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.060	U	ug/L	0.060	U	1.0	YES	S3VEM
Endosulfan I	Target	0.060	U	ug/L	0.060	U	1.0	YES	S3VEM
Dieldrin	Target	0.12	U	ug/L	0.12	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.12	U	ug/L	0.12	U	1.0	YES	S3VEM
Endrin	Target	0.12	U	ug/L	0.12	U	1.0	YES	S3VEM
Endosulfan II	Target	0.12	U	ug/L	0.12	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.12	U	ug/L	0.12	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	0.12	U	ug/L	0.12	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.12	U	ug/L	0.12	U	1.0	YES	S3VEM
Methoxychlor	Target	0.60	U	ug/L	0.60	U	1.0	YES	S3VEM
Endrin ketone	Target	0.12	U	ug/L	0.12	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	0.12	U	ug/L	0.12	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.060	U	ug/L	0.060	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.060	U	ug/L	0.060	U	1.0	YES	S3VEM
Toxaphene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW01

Sample Number: BG528	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location: SED01/SW01	pH: 6	Sample Date: 04/13/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.0	U	ug/L	2.0	U	1.0	YES	S3VEM
Benzaldehyde	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Phenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
2-Chlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Methylphenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Acetophenone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
4-Methylphenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Hexachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Nitrobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Isophorone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Nitrophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Naphthalene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Chloroaniline	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Caprolactam	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Nitroaniline	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dimethylphthalate	Target	1.9	J	ug/L	1.9	J	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Acenaphthylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
3-Nitroaniline	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Acenaphthene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
4-Nitrophenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Dibenzofuran	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Diethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Fluorene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Nitroaniline	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Atrazine	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Pentachlorophenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Phenanthrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Anthracene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbazole	Target	10	U	ug/L	10	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW01

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Pyrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Butylbenzylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chrysene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
n-Hexadecanoic acid	TIC	3	JN	ug/L	3	JN	1.0	YES	NV
2,4,7,9-Tetramethyl-5-decyn-4,7-di	TIC	12	JN	ug/L	12	JN	1.0	YES	NV
Total Alkanes	TIC		N	ug/L		N	1.0	YES	NV
1-Heneicosanol	TIC	2.4	JN	ug/L	2.4	JN	1.0	YES	NV
Bis(2-ethylhexyl) maleate	TIC	2.7	JN	ug/L	2.7	JN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW01

Sample Number: BG528	Method: Volatile Organics	Matrix: Water	MA Number:
Sample Location: SED01/SW01	pH: 1.0	Sample Date: 04/13/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/L	4.7	J	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/L	2.1	JB	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Toluene	Target	1.4	J	ug/L	1.4	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW01

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/L		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Sample Number: BG528MS	Method: Aroclors	Matrix: Water	MA Number:
Sample Location:	pH: 6	Sample Date: 04/13/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Spike	4.1		ug/L	4.1		1.0	YES	S3VEM
Aroclor-1221	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1232	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1242	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1248	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1254	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1260	Spike	4		ug/L	4		1.0	YES	S3VEM
Aroclor-1262	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1268	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Sample Number: BG528MS	Method: Pesticides	Matrix: Water	MA Number:
Sample Location:	pH: 6	Sample Date: 04/13/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Spike	0.41		ug/L	0.41	*	1.0	YES	S3VEM
beta-BHC	Spike	0.39		ug/L	0.39	*	1.0	YES	S3VEM
delta-BHC	Spike	0.21		ug/L	0.21	*	1.0	YES	S3VEM
gamma-BHC (Lindane)	Spike	0.41		ug/L	0.41		1.0	YES	S3VEM
Heptachlor	Spike	0.41		ug/L	0.41		1.0	YES	S3VEM
Aldrin	Spike	0.41		ug/L	0.41		1.0	YES	S3VEM
Heptachlor epoxide	Spike	0.44		ug/L	0.44	*	1.0	YES	S3VEM
Endosulfan I	Spike	0.43		ug/L	0.43	*	1.0	YES	S3VEM
Dieldrin	Spike	0.89		ug/L	0.89		1.0	YES	S3VEM
4,4'-DDE	Spike	0.92		ug/L	0.92	*	1.0	YES	S3VEM
Endrin	Spike	0.92		ug/L	0.92		1.0	YES	S3VEM
Endosulfan II	Spike	0.94		ug/L	0.94	*	1.0	YES	S3VEM
4,4'-DDD	Spike	0.92		ug/L	0.92	*	1.0	YES	S3VEM
Endosulfan Sulfate	Spike	0.81		ug/L	0.81	*	1.0	YES	S3VEM
4,4'-DDT	Spike	0.93		ug/L	0.93		1.0	YES	S3VEM
Methoxychlor	Spike	4.3		ug/L	4.3	*	1.0	YES	S3VEM
Endrin ketone	Spike	0.91		ug/L	0.91	*	1.0	YES	S3VEM
Endrin Aldehyde	Spike	0.93		ug/L	0.93	*	1.0	YES	S3VEM
cis-Chlordane	Spike	0.44		ug/L	0.44	*	1.0	YES	S3VEM
trans-Chlordane	Spike	0.43		ug/L	0.43	*	1.0	YES	S3VEM
Toxaphene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Sample Number: BG528MSD	Method: Aroclors	Matrix: Water	MA Number:
Sample Location:	pH: 6	Sample Date: 04/13/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Spike	4.2		ug/L	4.2		1.0	YES	S3VEM
Aroclor-1221	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1232	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1242	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1248	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1254	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1260	Spike	4		ug/L	4		1.0	YES	S3VEM
Aroclor-1262	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1268	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Sample Number: BG528MSD	Method: Pesticides	Matrix: Water	MA Number:
Sample Location:	pH: 6	Sample Date: 04/13/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Spike	0.35		ug/L	0.35	*	1.0	YES	S3VEM
beta-BHC	Spike	0.33		ug/L	0.33	*	1.0	YES	S3VEM
delta-BHC	Spike	0.18		ug/L	0.18	*	1.0	YES	S3VEM
gamma-BHC (Lindane)	Spike	0.34		ug/L	0.34		1.0	YES	S3VEM
Heptachlor	Spike	0.35		ug/L	0.35		1.0	YES	S3VEM
Aldrin	Spike	0.34		ug/L	0.34		1.0	YES	S3VEM
Heptachlor epoxide	Spike	0.37		ug/L	0.37	*	1.0	YES	S3VEM
Endosulfan I	Spike	0.37		ug/L	0.37	*	1.0	YES	S3VEM
Dieldrin	Spike	0.75		ug/L	0.75		1.0	YES	S3VEM
4,4'-DDE	Spike	0.77		ug/L	0.77	*	1.0	YES	S3VEM
Endrin	Spike	0.78		ug/L	0.78		1.0	YES	S3VEM
Endosulfan II	Spike	0.81		ug/L	0.81	*	1.0	YES	S3VEM
4,4'-DDD	Spike	0.77		ug/L	0.77	*	1.0	YES	S3VEM
Endosulfan Sulfate	Spike	0.68		ug/L	0.68	*	1.0	YES	S3VEM
4,4'-DDT	Spike	0.79		ug/L	0.79		1.0	YES	S3VEM
Methoxychlor	Spike	3.7		ug/L	3.7	*	1.0	YES	S3VEM
Endrin ketone	Spike	0.79		ug/L	0.79	*	1.0	YES	S3VEM
Endrin Aldehyde	Spike	0.78		ug/L	0.78	*	1.0	YES	S3VEM
cis-Chlordane	Spike	0.37		ug/L	0.37	*	1.0	YES	S3VEM
trans-Chlordane	Spike	0.36		ug/L	0.36	*	1.0	YES	S3VEM
Toxaphene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW04

Sample Number: BG529	Method: Aroclors	Matrix: Water	MA Number:
Sample Location: SED04/SW04	pH: 6	Sample Date: 04/13/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1221	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1232	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1242	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1248	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1254	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1260	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1262	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1268	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW04

Sample Number: BG529	Method: Pesticides	Matrix: Water	MA Number:
Sample Location: SED04/SW04	pH: 6	Sample Date: 04/13/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.059	U	ug/L	0.059	U	1.0	YES	S3VEM
beta-BHC	Target	0.059	U	ug/L	0.059	U	1.0	YES	S3VEM
delta-BHC	Target	0.059	U	ug/L	0.059	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.059	U	ug/L	0.059	U	1.0	YES	S3VEM
Heptachlor	Target	0.059	U	ug/L	0.059	U	1.0	YES	S3VEM
Aldrin	Target	0.059	U	ug/L	0.059	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.059	U	ug/L	0.059	U	1.0	YES	S3VEM
Endosulfan I	Target	0.059	U	ug/L	0.059	U	1.0	YES	S3VEM
Dieldrin	Target	0.12	U	ug/L	0.12	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.12	U	ug/L	0.12	U	1.0	YES	S3VEM
Endrin	Target	0.12	U	ug/L	0.12	U	1.0	YES	S3VEM
Endosulfan II	Target	0.12	U	ug/L	0.12	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.12	U	ug/L	0.12	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	0.12	U	ug/L	0.12	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.12	U	ug/L	0.12	U	1.0	YES	S3VEM
Methoxychlor	Target	0.59	U	ug/L	0.59	U	1.0	YES	S3VEM
Endrin ketone	Target	0.12	U	ug/L	0.12	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	0.12	U	ug/L	0.12	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.059	U	ug/L	0.059	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.059	U	ug/L	0.059	U	1.0	YES	S3VEM
Toxaphene	Target	5.9	U	ug/L	5.9	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW04

Sample Number: BG529	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location: SED04/SW04	pH: 6	Sample Date: 04/13/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.0	U	ug/L	2.0	U	1.0	YES	S3VEM
Benzaldehyde	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Phenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
2-Chlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Methylphenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Acetophenone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
4-Methylphenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Hexachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Nitrobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Isophorone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Nitrophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Naphthalene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Chloroaniline	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Caprolactam	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Nitroaniline	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S3VEM
Dimethylphthalate	Target	2.5	J	ug/L	2.5	J	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Acenaphthylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
3-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S3VEM
Acenaphthene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S3VEM
4-Nitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S3VEM
Dibenzofuran	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Diethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Fluorene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Atrazine	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Pentachlorophenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Phenanthrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Anthracene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbazole	Target	10	U	ug/L	10	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW04

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Pyrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Butylbenzylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chrysene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/L		N	1.0	YES	NV
2,4,7,9-Tetramethyl-5-decyn-4,7-di	TIC	8.9	JN	ug/L	8.9	JN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW04

Sample Number: BG529	Method: Volatile Organics	Matrix: Water	MA Number:
Sample Location: SED04/SW04	pH: 1.0	Sample Date: 04/13/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/L	3.1	J	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/L	1.8	JB	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Toluene	Target	1.4	J	ug/L	1.4	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW04

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/L		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project | **GroupID: 49391/68HERH20D0011/BG528** | **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW09

Sample Number: BG530	Method: Aroclors	Matrix: Water	MA Number:
Sample Location: SED09/SW09	pH: 6	Sample Date: 04/14/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1221	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1232	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1242	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1248	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1254	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1260	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1262	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1268	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project | **GroupID: 49391/68HERH20D0011/BG528** | **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW09

Sample Number: BG530	Method: Pesticides	Matrix: Water	MA Number:
Sample Location: SED09/SW09	pH: 6	Sample Date: 04/14/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.053	U	ug/L	0.053	U	1.0	YES	S3VEM
beta-BHC	Target	0.053	U	ug/L	0.053	U	1.0	YES	S3VEM
delta-BHC	Target	0.053	U	ug/L	0.053	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.053	U	ug/L	0.053	U	1.0	YES	S3VEM
Heptachlor	Target	0.053	U	ug/L	0.053	U	1.0	YES	S3VEM
Aldrin	Target	0.053	U	ug/L	0.053	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.053	U	ug/L	0.053	U	1.0	YES	S3VEM
Endosulfan I	Target	0.053	U	ug/L	0.053	U	1.0	YES	S3VEM
Dieldrin	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
Endrin	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
Endosulfan II	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
Methoxychlor	Target	0.53	U	ug/L	0.53	U	1.0	YES	S3VEM
Endrin ketone	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.053	U	ug/L	0.053	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.053	U	ug/L	0.053	U	1.0	YES	S3VEM
Toxaphene	Target	5.3	U	ug/L	5.3	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW09

Sample Number: BG530	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location: SED09/SW09	pH: 6	Sample Date: 04/14/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.2	U	ug/L	2.2	U	1.0	YES	S3VEM
Benzaldehyde	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Phenol	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
2-Chlorophenol	Target	5.5	U	ug/L	5.5	U	1.0	YES	S3VEM
2-Methylphenol	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Acetophenone	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
4-Methylphenol	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	5.5	U	ug/L	5.5	U	1.0	YES	S3VEM
Hexachloroethane	Target	5.5	U	ug/L	5.5	U	1.0	YES	S3VEM
Nitrobenzene	Target	5.5	U	ug/L	5.5	U	1.0	YES	S3VEM
Isophorone	Target	5.5	U	ug/L	5.5	U	1.0	YES	S3VEM
2-Nitrophenol	Target	5.5	U	ug/L	5.5	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	5.5	U	ug/L	5.5	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	5.5	U	ug/L	5.5	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	5.5	U	ug/L	5.5	U	1.0	YES	S3VEM
Naphthalene	Target	5.5	U	ug/L	5.5	U	1.0	YES	S3VEM
4-Chloroaniline	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	5.5	U	ug/L	5.5	U	1.0	YES	S3VEM
Caprolactam	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	5.5	U	ug/L	5.5	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	5.5	U	ug/L	5.5	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	5.5	U	ug/L	5.5	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	5.5	U	ug/L	5.5	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	5.5	U	ug/L	5.5	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	5.5	U	ug/L	5.5	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	5.5	U	ug/L	5.5	U	1.0	YES	S3VEM
2-Nitroaniline	Target	5.5	U	ug/L	5.5	U	1.0	YES	S3VEM
Dimethylphthalate	Target	2.7	J	ug/L	2.7	J	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	5.5	U	ug/L	5.5	U	1.0	YES	S3VEM
Acenaphthylene	Target	5.5	U	ug/L	5.5	U	1.0	YES	S3VEM
3-Nitroaniline	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Acenaphthene	Target	5.5	U	ug/L	5.5	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
4-Nitrophenol	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Dibenzofuran	Target	5.5	U	ug/L	5.5	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	5.5	U	ug/L	5.5	U	1.0	YES	S3VEM
Diethylphthalate	Target	5.5	U	ug/L	5.5	U	1.0	YES	S3VEM
Fluorene	Target	5.5	U	ug/L	5.5	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	5.5	U	ug/L	5.5	U	1.0	YES	S3VEM
4-Nitroaniline	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	5.5	U	ug/L	5.5	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	5.5	U	ug/L	5.5	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	5.5	U	ug/L	5.5	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	5.5	U	ug/L	5.5	U	1.0	YES	S3VEM
Atrazine	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Pentachlorophenol	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Phenanthrene	Target	5.5	U	ug/L	5.5	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW09

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Anthracene	Target	5.5	U	ug/L	5.5	U	1.0	YES	S3VEM
Carbazole	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Di-n-butylphthalate	Target	5.5	U	ug/L	5.5	U	1.0	YES	S3VEM
Fluoranthene	Target	5.5	U	ug/L	5.5	U	1.0	YES	S3VEM
Pyrene	Target	5.5	U	ug/L	5.5	U	1.0	YES	S3VEM
Butylbenzylphthalate	Target	5.5	U	ug/L	5.5	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	5.5	U	ug/L	5.5	U	1.0	YES	S3VEM
Chrysene	Target	5.5	U	ug/L	5.5	U	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	5.5	U	ug/L	5.5	U	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	5.5	U	ug/L	5.5	U	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	5.5	U	ug/L	5.5	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	5.5	U	ug/L	5.5	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	5.5	U	ug/L	5.5	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	5.5	U	ug/L	5.5	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	5.5	U	ug/L	5.5	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	5.5	U	ug/L	5.5	U	1.0	YES	S3VEM
Total Alkanes	TIC	2.6	B	ug/L	2.6	B	1.0	YES	NV
n-Hexadecanoic acid	TIC	2.5	JN	ug/L	2.5	JN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW09

Sample Number: BG530	Method: Volatile Organics	Matrix: Water	MA Number:
Sample Location: SED09/SW09	pH: 1.0	Sample Date: 04/14/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	UJ	ug/L	4.5	J	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/L	2.3	JB	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Toluene	Target	1.6	J	ug/L	1.6	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW09

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/L		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project | **GroupID: 49391/68HERH20D0011/BG528** | **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW11

Sample Number: BG531	Method: Aroclors	Matrix: Water	MA Number:
Sample Location: SED11/SW11	pH: 6	Sample Date: 04/14/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	1.2	U	ug/L	1.2	U	1.0	YES	S3VEM
Aroclor-1221	Target	1.2	U	ug/L	1.2	U	1.0	YES	S3VEM
Aroclor-1232	Target	1.2	U	ug/L	1.2	U	1.0	YES	S3VEM
Aroclor-1242	Target	1.2	U	ug/L	1.2	U	1.0	YES	S3VEM
Aroclor-1248	Target	1.2	U	ug/L	1.2	U	1.0	YES	S3VEM
Aroclor-1254	Target	1.2	U	ug/L	1.2	U	1.0	YES	S3VEM
Aroclor-1260	Target	1.2	U	ug/L	1.2	U	1.0	YES	S3VEM
Aroclor-1262	Target	1.2	U	ug/L	1.2	U	1.0	YES	S3VEM
Aroclor-1268	Target	1.2	U	ug/L	1.2	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project | **GroupID: 49391/68HERH20D0011/BG528** | **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW11

Sample Number: BG531	Method: Pesticides	Matrix: Water	MA Number:
Sample Location: SED11/SW11	pH: 6	Sample Date: 04/14/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.061	U	ug/L	0.061	U	1.0	YES	S3VEM
beta-BHC	Target	0.061	U	ug/L	0.061	U	1.0	YES	S3VEM
delta-BHC	Target	0.061	U	ug/L	0.061	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.061	U	ug/L	0.061	U	1.0	YES	S3VEM
Heptachlor	Target	0.061	U	ug/L	0.061	U	1.0	YES	S3VEM
Aldrin	Target	0.061	U	ug/L	0.061	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.061	U	ug/L	0.061	U	1.0	YES	S3VEM
Endosulfan I	Target	0.061	U	ug/L	0.061	U	1.0	YES	S3VEM
Dieldrin	Target	0.12	U	ug/L	0.12	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.12	U	ug/L	0.12	U	1.0	YES	S3VEM
Endrin	Target	0.12	U	ug/L	0.12	U	1.0	YES	S3VEM
Endosulfan II	Target	0.12	U	ug/L	0.12	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.12	U	ug/L	0.12	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	0.12	U	ug/L	0.12	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.12	U	ug/L	0.12	U	1.0	YES	S3VEM
Methoxychlor	Target	0.61	U	ug/L	0.61	U	1.0	YES	S3VEM
Endrin ketone	Target	0.12	U	ug/L	0.12	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	0.12	U	ug/L	0.12	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.061	U	ug/L	0.061	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.061	U	ug/L	0.061	U	1.0	YES	S3VEM
Toxaphene	Target	6.1	U	ug/L	6.1	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW11

Sample Number: BG531	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location: SED11/SW11	pH: 6	Sample Date: 04/14/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.1	U	ug/L	2.1	U	1.0	YES	S3VEM
Benzaldehyde	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Phenol	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
2-Chlorophenol	Target	5.3	U	ug/L	5.3	U	1.0	YES	S3VEM
2-Methylphenol	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Acetophenone	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
4-Methylphenol	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	5.3	U	ug/L	5.3	U	1.0	YES	S3VEM
Hexachloroethane	Target	5.3	U	ug/L	5.3	U	1.0	YES	S3VEM
Nitrobenzene	Target	5.3	U	ug/L	5.3	U	1.0	YES	S3VEM
Isophorone	Target	5.3	U	ug/L	5.3	U	1.0	YES	S3VEM
2-Nitrophenol	Target	5.3	U	ug/L	5.3	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	5.3	U	ug/L	5.3	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	5.3	U	ug/L	5.3	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	5.3	U	ug/L	5.3	U	1.0	YES	S3VEM
Naphthalene	Target	5.3	U	ug/L	5.3	U	1.0	YES	S3VEM
4-Chloroaniline	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	5.3	U	ug/L	5.3	U	1.0	YES	S3VEM
Caprolactam	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	5.3	U	ug/L	5.3	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	5.3	U	ug/L	5.3	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	5.3	U	ug/L	5.3	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	5.3	U	ug/L	5.3	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	5.3	U	ug/L	5.3	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	5.3	U	ug/L	5.3	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	5.3	U	ug/L	5.3	U	1.0	YES	S3VEM
2-Nitroaniline	Target	5.3	U	ug/L	5.3	U	1.0	YES	S3VEM
Dimethylphthalate	Target	3.6	J	ug/L	3.6	J	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	5.3	U	ug/L	5.3	U	1.0	YES	S3VEM
Acenaphthylene	Target	5.3	U	ug/L	5.3	U	1.0	YES	S3VEM
3-Nitroaniline	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Acenaphthene	Target	5.3	U	ug/L	5.3	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
4-Nitrophenol	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Dibenzofuran	Target	5.3	U	ug/L	5.3	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	5.3	U	ug/L	5.3	U	1.0	YES	S3VEM
Diethylphthalate	Target	5.3	U	ug/L	5.3	U	1.0	YES	S3VEM
Fluorene	Target	5.3	U	ug/L	5.3	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	5.3	U	ug/L	5.3	U	1.0	YES	S3VEM
4-Nitroaniline	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	5.3	U	ug/L	5.3	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	5.3	U	ug/L	5.3	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	5.3	U	ug/L	5.3	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	5.3	U	ug/L	5.3	U	1.0	YES	S3VEM
Atrazine	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Pentachlorophenol	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Phenanthrene	Target	5.3	U	ug/L	5.3	U	1.0	YES	S3VEM
Anthracene	Target	5.3	U	ug/L	5.3	U	1.0	YES	S3VEM
Carbazole	Target	11	U	ug/L	11	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW11

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	5.3	U	ug/L	5.3	U	1.0	YES	S3VEM
Fluoranthene	Target	5.3	U	ug/L	5.3	U	1.0	YES	S3VEM
Pyrene	Target	5.3	U	ug/L	5.3	U	1.0	YES	S3VEM
Butylbenzylphthalate	Target	5.3	U	ug/L	5.3	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	5.3	U	ug/L	5.3	U	1.0	YES	S3VEM
Chrysene	Target	5.3	U	ug/L	5.3	U	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	5.3	U	ug/L	5.3	U	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	5.3	U	ug/L	5.3	U	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	5.3	U	ug/L	5.3	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	5.3	U	ug/L	5.3	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	5.3	U	ug/L	5.3	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	5.3	U	ug/L	5.3	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	5.3	U	ug/L	5.3	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	5.3	U	ug/L	5.3	U	1.0	YES	S3VEM
n-Hexadecanoic acid	TIC	3.1	JN	ug/L	3.1	JN	1.0	YES	NV
Total Alkanes	TIC	8.5	B	ug/L	8.5	B	1.0	YES	NV
Heptafluorobutyric acid, pentadecy	TIC	2.9	JN	ug/L	2.9	JN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW11

Sample Number: BG531	Method: Volatile Organics	Matrix: Water	MA Number:
Sample Location: SED11/SW11	pH: 1.0	Sample Date: 04/14/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/L	5	J	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/L	1.8	JB	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Toluene	Target	2.2	J	ug/L	2.2	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW11

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/L		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project | **GroupID: 49391/68HERH20D0011/BG528** | **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW13

Sample Number: BG532	Method: Aroclors	Matrix: Water	MA Number:
Sample Location: SED13/SW13	pH: 6	Sample Date: 04/14/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1221	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1232	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1242	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1248	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1254	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1260	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1262	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1268	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project | **GroupID: 49391/68HERH20D0011/BG528** | **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW13

Sample Number: BG532	Method: Pesticides	Matrix: Water	MA Number:
Sample Location: SED13/SW13	pH: 6	Sample Date: 04/14/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.054	U	ug/L	0.054	U	1.0	YES	S3VEM
beta-BHC	Target	0.054	U	ug/L	0.054	U	1.0	YES	S3VEM
delta-BHC	Target	0.054	U	ug/L	0.054	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.054	U	ug/L	0.054	U	1.0	YES	S3VEM
Heptachlor	Target	0.054	U	ug/L	0.054	U	1.0	YES	S3VEM
Aldrin	Target	0.054	U	ug/L	0.054	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.054	U	ug/L	0.054	U	1.0	YES	S3VEM
Endosulfan I	Target	0.054	U	ug/L	0.054	U	1.0	YES	S3VEM
Dieldrin	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
Endrin	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
Endosulfan II	Target	0.01	J	ug/L	0.01	JP	1.0	YES	S3VEM
4,4'-DDD	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
Methoxychlor	Target	0.54	U	ug/L	0.54	U	1.0	YES	S3VEM
Endrin ketone	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.054	U	ug/L	0.054	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.054	U	ug/L	0.054	U	1.0	YES	S3VEM
Toxaphene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW13

Sample Number: BG532	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location: SED13/SW13	pH: 6	Sample Date: 04/14/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.3	U	ug/L	2.3	U	1.0	YES	S3VEM
Benzaldehyde	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Phenol	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
2-Chlorophenol	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
2-Methylphenol	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Acetophenone	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
4-Methylphenol	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
Hexachloroethane	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
Nitrobenzene	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
Isophorone	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
2-Nitrophenol	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
Naphthalene	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
4-Chloroaniline	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
Caprolactam	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
2-Nitroaniline	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
Dimethylphthalate	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
Acenaphthylene	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
3-Nitroaniline	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Acenaphthene	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
4-Nitrophenol	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Dibenzofuran	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
Diethylphthalate	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
Fluorene	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
4-Nitroaniline	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
Atrazine	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Pentachlorophenol	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Phenanthrene	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
Anthracene	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
Carbazole	Target	11	U	ug/L	11	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW13

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
Fluoranthene	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
Pyrene	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
Butylbenzylphthalate	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
Chrysene	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
n-Hexadecanoic acid	TIC	2.7	JN	ug/L	2.7	JN	1.0	YES	NV
Total Alkanes	TIC	19	B	ug/L	19	B	1.0	YES	NV
Sulfurous acid, 2-propyl tetradecy	TIC	2.9	JN	ug/L	2.9	JN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW13

Sample Number: BG532	Method: Volatile Organics	Matrix: Water	MA Number:
Sample Location: SED13/SW13	pH: 1.0	Sample Date: 04/14/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/L	7.4	J	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/L	2.1	JB	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Toluene	Target	2.3	J	ug/L	2.3	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW13

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/L		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project | **GroupID: 49391/68HERH20D0011/BG528** | **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW14

Sample Number: BG533	Method: Aroclors	Matrix: Water	MA Number:
Sample Location: SED14/SW14	pH: 6	Sample Date: 04/14/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1221	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1232	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1242	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1248	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1254	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1260	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1262	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1268	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project | **GroupID: 49391/68HERH20D0011/BG528** | **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW14

Sample Number: BG533	Method: Pesticides	Matrix: Water	MA Number:
Sample Location: SED14/SW14	pH: 6	Sample Date: 04/14/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.053	U	ug/L	0.053	U	1.0	YES	S3VEM
beta-BHC	Target	0.053	U	ug/L	0.053	U	1.0	YES	S3VEM
delta-BHC	Target	0.053	U	ug/L	0.053	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.053	U	ug/L	0.053	U	1.0	YES	S3VEM
Heptachlor	Target	0.053	U	ug/L	0.053	U	1.0	YES	S3VEM
Aldrin	Target	0.053	U	ug/L	0.053	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.053	U	ug/L	0.053	U	1.0	YES	S3VEM
Endosulfan I	Target	0.053	U	ug/L	0.053	U	1.0	YES	S3VEM
Dieldrin	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
Endrin	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
Endosulfan II	Target	0.012	J	ug/L	0.012	JP	1.0	YES	S3VEM
4,4'-DDD	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
Methoxychlor	Target	0.53	U	ug/L	0.53	U	1.0	YES	S3VEM
Endrin ketone	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.053	U	ug/L	0.053	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.053	U	ug/L	0.053	U	1.0	YES	S3VEM
Toxaphene	Target	5.3	U	ug/L	5.3	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW14

Sample Number: BG533	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location: SED14/SW14	pH: 6	Sample Date: 04/14/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.2	U	ug/L	2.2	U	1.0	YES	S3VEM
Benzaldehyde	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Phenol	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
2-Chlorophenol	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
2-Methylphenol	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Acetophenone	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
4-Methylphenol	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Hexachloroethane	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Nitrobenzene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Isophorone	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
2-Nitrophenol	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Naphthalene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
4-Chloroaniline	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Caprolactam	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
2-Nitroaniline	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Dimethylphthalate	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Acenaphthylene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
3-Nitroaniline	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Acenaphthene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
4-Nitrophenol	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Dibenzofuran	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Diethylphthalate	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Fluorene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
4-Nitroaniline	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Atrazine	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Pentachlorophenol	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Phenanthrene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW14

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Anthracene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Carbazole	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Di-n-butylphthalate	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Fluoranthene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Pyrene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Butylbenzylphthalate	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Chrysene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Total Alkanes	TIC	11	B	ug/L	11	B	1.0	YES	NV
n-Hexadecanoic acid	TIC	2.8	JN	ug/L	2.8	JN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW14

Sample Number: BG533	Method: Volatile Organics	Matrix: Water	MA Number:
Sample Location: SED14/SW14	pH: 1.0	Sample Date: 04/14/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/L	4.3	J	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/L	1.8	JB	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Toluene	Target	1.8	J	ug/L	1.8	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW14

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
unknown-01	TIC	18	JB	ug/L	18	JB	1.0	YES	NV
Total Alkanes	TIC		N	ug/L		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW20

Sample Number: BG534	Method: Aroclors	Matrix: Water	MA Number:
Sample Location: SED21/SW21	pH: 6	Sample Date: 04/15/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	1.2	U	ug/L	1.2	U	1.0	YES	S3VEM
Aroclor-1221	Target	1.2	U	ug/L	1.2	U	1.0	YES	S3VEM
Aroclor-1232	Target	1.2	U	ug/L	1.2	U	1.0	YES	S3VEM
Aroclor-1242	Target	1.2	U	ug/L	1.2	U	1.0	YES	S3VEM
Aroclor-1248	Target	1.2	U	ug/L	1.2	U	1.0	YES	S3VEM
Aroclor-1254	Target	1.2	U	ug/L	1.2	U	1.0	YES	S3VEM
Aroclor-1260	Target	1.2	U	ug/L	1.2	U	1.0	YES	S3VEM
Aroclor-1262	Target	1.2	U	ug/L	1.2	U	1.0	YES	S3VEM
Aroclor-1268	Target	1.2	U	ug/L	1.2	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project | **GroupID: 49391/68HERH20D0011/BG528** | **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW20

Sample Number: BG534	Method: Pesticides	Matrix: Water	MA Number:
Sample Location: SED21/SW21	pH: 6	Sample Date: 04/15/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.059	U	ug/L	0.059	U	1.0	YES	S3VEM
beta-BHC	Target	0.059	U	ug/L	0.059	U	1.0	YES	S3VEM
delta-BHC	Target	0.059	U	ug/L	0.059	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.059	U	ug/L	0.059	U	1.0	YES	S3VEM
Heptachlor	Target	0.059	U	ug/L	0.059	U	1.0	YES	S3VEM
Aldrin	Target	0.059	U	ug/L	0.059	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.059	U	ug/L	0.059	U	1.0	YES	S3VEM
Endosulfan I	Target	0.059	U	ug/L	0.059	U	1.0	YES	S3VEM
Dieldrin	Target	0.12	U	ug/L	0.12	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.12	U	ug/L	0.12	U	1.0	YES	S3VEM
Endrin	Target	0.12	U	ug/L	0.12	U	1.0	YES	S3VEM
Endosulfan II	Target	0.037	J	ug/L	0.037	JP	1.0	YES	S3VEM
4,4'-DDD	Target	0.12	U	ug/L	0.12	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	0.12	U	ug/L	0.12	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.12	U	ug/L	0.12	U	1.0	YES	S3VEM
Methoxychlor	Target	0.59	U	ug/L	0.59	U	1.0	YES	S3VEM
Endrin ketone	Target	0.12	U	ug/L	0.12	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	0.12	U	ug/L	0.12	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.059	U	ug/L	0.059	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.059	U	ug/L	0.059	U	1.0	YES	S3VEM
Toxaphene	Target	5.9	U	ug/L	5.9	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW20

Sample Number: BG534	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location: SED21/SW21	pH: 6	Sample Date: 04/15/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.0	U	ug/L	2.0	U	1.0	YES	S3VEM
Benzaldehyde	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Phenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
2-Chlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Methylphenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Acetophenone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
4-Methylphenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Hexachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Nitrobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Isophorone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Nitrophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Naphthalene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Chloroaniline	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Caprolactam	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Nitroaniline	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dimethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Acenaphthylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
3-Nitroaniline	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Acenaphthene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
4-Nitrophenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Dibenzofuran	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Diethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Fluorene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Nitroaniline	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Atrazine	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Pentachlorophenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Phenanthrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW20

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Anthracene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbazole	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Di-n-butylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Pyrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Butylbenzylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chrysene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
n-Hexadecanoic acid	TIC	7.7	JN	ug/L	7.7	JN	1.0	YES	NV
Total Alkanes	TIC		N	ug/L		N	1.0	YES	NV
Dibenzo[def,mno]chrysene	TIC	5.7	JN	ug/L	5.7	JN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW20

Sample Number: BG534	Method: Volatile Organics	Matrix: Water	MA Number:
Sample Location: SED21/SW21	pH: 1.0	Sample Date: 04/15/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/L	5.4	J	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/L	2.4	JB	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Toluene	Target	4.2	J	ug/L	4.2	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW20

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/L		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW22

Sample Number: BG536	Method: Aroclors	Matrix: Water	MA Number:
Sample Location: SED22/SW22	pH: 6	Sample Date: 04/13/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1221	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1232	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1242	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1248	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1254	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1260	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1262	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1268	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project | **GroupID: 49391/68HERH20D0011/BG528** | **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW22

Sample Number: BG536	Method: Pesticides	Matrix: Water	MA Number:
Sample Location: SED22/SW22	pH: 6	Sample Date: 04/13/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.038	J	ug/L	0.038	J	1.0	YES	S3VEM
beta-BHC	Target	0.054	U	ug/L	0.054	U	1.0	YES	S3VEM
delta-BHC	Target	0.023	J	ug/L	0.023	JP	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.054	U	ug/L	0.054	U	1.0	YES	S3VEM
Heptachlor	Target	0.0062	NJ	ug/L	0.0062	JP	1.0	YES	S3VEM
Aldrin	Target	0.054	U	ug/L	0.054	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.054	U	ug/L	0.054	U	1.0	YES	S3VEM
Endosulfan I	Target	0.054	U	ug/L	0.054	U	1.0	YES	S3VEM
Dieldrin	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
Endrin	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
Endosulfan II	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
Methoxychlor	Target	0.54	U	ug/L	0.54	U	1.0	YES	S3VEM
Endrin ketone	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.054	U	ug/L	0.054	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.054	U	ug/L	0.054	U	1.0	YES	S3VEM
Toxaphene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW22

Sample Number: BG536	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location: SED22/SW22	pH: 6	Sample Date: 04/13/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.4	U	ug/L	2.4	U	1.0	YES	S3VEM
Benzaldehyde	Target	12	U	ug/L	12	U	1.0	YES	S3VEM
Phenol	Target	12	U	ug/L	12	U	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	12	U	ug/L	12	U	1.0	YES	S3VEM
2-Chlorophenol	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
2-Methylphenol	Target	12	U	ug/L	12	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	12	U	ug/L	12	U	1.0	YES	S3VEM
Acetophenone	Target	12	U	ug/L	12	U	1.0	YES	S3VEM
4-Methylphenol	Target	12	U	ug/L	12	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Hexachloroethane	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Nitrobenzene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Isophorone	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
2-Nitrophenol	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Naphthalene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
4-Chloroaniline	Target	12	U	ug/L	12	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Caprolactam	Target	12	U	ug/L	12	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	12	U	ug/L	12	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
2-Nitroaniline	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Dimethylphthalate	Target	3.1	J	ug/L	3.1	J	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Acenaphthylene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
3-Nitroaniline	Target	12	U	ug/L	12	U	1.0	YES	S3VEM
Acenaphthene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	12	U	ug/L	12	U	1.0	YES	S3VEM
4-Nitrophenol	Target	12	U	ug/L	12	U	1.0	YES	S3VEM
Dibenzofuran	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Diethylphthalate	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Fluorene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
4-Nitroaniline	Target	12	U	ug/L	12	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	12	U	ug/L	12	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Atrazine	Target	12	U	ug/L	12	U	1.0	YES	S3VEM
Pentachlorophenol	Target	12	U	ug/L	12	U	1.0	YES	S3VEM
Phenanthrene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Anthracene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Carbazole	Target	12	U	ug/L	12	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW22

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Fluoranthene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Pyrene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Butylbenzylphthalate	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	12	U	ug/L	12	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Chrysene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	12	U	ug/L	12	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
n-Hexadecanoic acid	TIC	2.7	JN	ug/L	2.7	JN	1.0	YES	NV
Total Alkanes	TIC		N	ug/L		N	1.0	YES	NV
2,4,7,9-Tetramethyl-5-decyn-4,7-di	TIC	4.1	JN	ug/L	4.1	JN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW22

Sample Number: BG536	Method: Volatile Organics	Matrix: Water	MA Number:
Sample Location: SED22/SW22	pH: 1.0	Sample Date: 04/13/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/L	3.1	J	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/L	2	JB	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW22

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/L		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project | **GroupID: 49391/68HERH20D0011/BG528** | **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW23

Sample Number: BG537	Method: Aroclors	Matrix: Water	MA Number:
Sample Location: SED23/SW23	pH: 6	Sample Date: 04/13/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1221	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1232	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1242	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1248	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1254	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1260	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1262	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1268	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project | **GroupID: 49391/68HERH20D0011/BG528** | **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW23

Sample Number: BG537	Method: Pesticides	Matrix: Water	MA Number:
Sample Location: SED23/SW23	pH: 6	Sample Date: 04/13/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.039	J+	ug/L	0.039	J	1.0	YES	S3VEM
beta-BHC	Target	0.059	U	ug/L	0.059	U	1.0	YES	S3VEM
delta-BHC	Target	0.033	NJ	ug/L	0.033	JP	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.059	U	ug/L	0.059	U	1.0	YES	S3VEM
Heptachlor	Target	0.012	NJ	ug/L	0.012	JP	1.0	YES	S3VEM
Aldrin	Target	0.059	U	ug/L	0.059	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.059	U	ug/L	0.059	U	1.0	YES	S3VEM
Endosulfan I	Target	0.059	U	ug/L	0.059	U	1.0	YES	S3VEM
Dieldrin	Target	0.12	U	ug/L	0.12	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.12	U	ug/L	0.12	U	1.0	YES	S3VEM
Endrin	Target	0.12	U	ug/L	0.12	U	1.0	YES	S3VEM
Endosulfan II	Target	0.12	U	ug/L	0.12	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.12	U	ug/L	0.12	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	0.12	U	ug/L	0.12	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.12	U	ug/L	0.12	U	1.0	YES	S3VEM
Methoxychlor	Target	0.59	U	ug/L	0.59	U	1.0	YES	S3VEM
Endrin ketone	Target	0.12	U	ug/L	0.12	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	0.12	U	ug/L	0.12	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.059	U	ug/L	0.059	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.059	U	ug/L	0.059	U	1.0	YES	S3VEM
Toxaphene	Target	5.9	U	ug/L	5.9	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW23

Sample Number: BG537	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location: SED23/SW23	pH: 6	Sample Date: 04/13/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.4	U	ug/L	2.4	U	1.0	YES	S3VEM
Benzaldehyde	Target	12	U	ug/L	12	U	1.0	YES	S3VEM
Phenol	Target	12	U	ug/L	12	U	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	12	U	ug/L	12	U	1.0	YES	S3VEM
2-Chlorophenol	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
2-Methylphenol	Target	12	U	ug/L	12	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	12	U	ug/L	12	U	1.0	YES	S3VEM
Acetophenone	Target	12	U	ug/L	12	U	1.0	YES	S3VEM
4-Methylphenol	Target	12	U	ug/L	12	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Hexachloroethane	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Nitrobenzene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Isophorone	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
2-Nitrophenol	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Naphthalene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
4-Chloroaniline	Target	12	U	ug/L	12	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Caprolactam	Target	12	U	ug/L	12	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	12	U	ug/L	12	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
2-Nitroaniline	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Dimethylphthalate	Target	3	J	ug/L	3	J	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Acenaphthylene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
3-Nitroaniline	Target	12	U	ug/L	12	U	1.0	YES	S3VEM
Acenaphthene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	12	U	ug/L	12	U	1.0	YES	S3VEM
4-Nitrophenol	Target	12	U	ug/L	12	U	1.0	YES	S3VEM
Dibenzofuran	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Diethylphthalate	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Fluorene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
4-Nitroaniline	Target	12	U	ug/L	12	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	12	U	ug/L	12	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Atrazine	Target	12	U	ug/L	12	U	1.0	YES	S3VEM
Pentachlorophenol	Target	12	U	ug/L	12	U	1.0	YES	S3VEM
Phenanthrene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW23

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Anthracene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Carbazole	Target	12	U	ug/L	12	U	1.0	YES	S3VEM
Di-n-butylphthalate	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Fluoranthene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Pyrene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Butylbenzylphthalate	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	12	U	ug/L	12	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Chrysene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	12	U	ug/L	12	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/L		N	1.0	YES	NV
n-Nonadecanol-1	TIC	2.8	JN	ug/L	2.8	JN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project | **GroupID: 49391/68HERH20D0011/BG528** | **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW23

Sample Number: BG537	Method: Volatile Organics	Matrix: Water	MA Number:
Sample Location: SED23/SW23	pH: 1.0	Sample Date: 04/13/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/L	5.4	J	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/L	1.8	JB	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW23

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/L		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project | **GroupID: 49391/68HERH20D0011/BG528** | **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW24

Sample Number: BG538	Method: Aroclors	Matrix: Water	MA Number:
Sample Location: SED24/SW24	pH: 6	Sample Date: 04/13/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1221	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1232	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1242	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1248	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1254	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1260	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1262	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1268	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW24

Sample Number: BG538	Method: Pesticides	Matrix: Water	MA Number:
Sample Location: SED24/SW24	pH: 6	Sample Date: 04/13/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.038	J	ug/L	0.038	J	1.0	YES	S3VEM
beta-BHC	Target	0.053	U	ug/L	0.053	U	1.0	YES	S3VEM
delta-BHC	Target	0.017	J	ug/L	0.017	JP	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.053	U	ug/L	0.053	U	1.0	YES	S3VEM
Heptachlor	Target	0.0055	NJ	ug/L	0.0055	JP	1.0	YES	S3VEM
Aldrin	Target	0.053	U	ug/L	0.053	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.0086	NJ	ug/L	0.0086	JP	1.0	YES	S3VEM
Endosulfan I	Target	0.053	U	ug/L	0.053	U	1.0	YES	S3VEM
Dieldrin	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
Endrin	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
Endosulfan II	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
Methoxychlor	Target	0.53	U	ug/L	0.53	U	1.0	YES	S3VEM
Endrin ketone	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.053	U	ug/L	0.053	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.053	U	ug/L	0.053	U	1.0	YES	S3VEM
Toxaphene	Target	5.3	U	ug/L	5.3	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW24

Sample Number: BG538	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location: SED24/SW24	pH: 6	Sample Date: 04/13/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.2	U	ug/L	2.2	U	1.0	YES	S3VEM
Benzaldehyde	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Phenol	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
2-Chlorophenol	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
2-Methylphenol	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Acetophenone	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
4-Methylphenol	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Hexachloroethane	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Nitrobenzene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Isophorone	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
2-Nitrophenol	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Naphthalene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
4-Chloroaniline	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Caprolactam	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
2-Nitroaniline	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Dimethylphthalate	Target	3.3	J	ug/L	3.3	J	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Acenaphthylene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
3-Nitroaniline	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Acenaphthene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
4-Nitrophenol	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Dibenzofuran	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Diethylphthalate	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Fluorene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
4-Nitroaniline	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Atrazine	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Pentachlorophenol	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Phenanthrene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW24

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Anthracene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Carbazole	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Di-n-butylphthalate	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Fluoranthene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Pyrene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Butylbenzylphthalate	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Chrysene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/L		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW24

Sample Number: BG538	Method: Volatile Organics	Matrix: Water	MA Number:
Sample Location: SED24/SW24	pH: 1.0	Sample Date: 04/13/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/L	5.3	J	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/L	1.9	JB	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW24

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/L		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project | **GroupID: 49391/68HERH20D0011/BG528** | **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW25

Sample Number: BG539	Method: Aroclors	Matrix: Water	MA Number:
Sample Location: SED25/SW25	pH: 6	Sample Date: 04/13/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1221	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1232	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1242	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1248	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1254	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1260	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1262	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1268	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW25

Sample Number: BG539	Method: Pesticides	Matrix: Water	MA Number:
Sample Location: SED25/SW25	pH: 6	Sample Date: 04/13/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.054	U	ug/L	0.054	U	1.0	YES	S3VEM
beta-BHC	Target	0.054	U	ug/L	0.054	U	1.0	YES	S3VEM
delta-BHC	Target	0.054	U	ug/L	0.054	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.054	U	ug/L	0.054	U	1.0	YES	S3VEM
Heptachlor	Target	0.054	U	ug/L	0.054	U	1.0	YES	S3VEM
Aldrin	Target	0.054	U	ug/L	0.054	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.054	U	ug/L	0.054	U	1.0	YES	S3VEM
Endosulfan I	Target	0.054	U	ug/L	0.054	U	1.0	YES	S3VEM
Dieldrin	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
Endrin	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
Endosulfan II	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
Methoxychlor	Target	0.54	U	ug/L	0.54	U	1.0	YES	S3VEM
Endrin ketone	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.054	U	ug/L	0.054	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.054	U	ug/L	0.054	U	1.0	YES	S3VEM
Toxaphene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW25

Sample Number: BG539	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location: SED25/SW25	pH: 6	Sample Date: 04/13/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.3	U	ug/L	2.3	U	1.0	YES	S3VEM
Benzaldehyde	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Phenol	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
2-Chlorophenol	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
2-Methylphenol	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Acetophenone	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
4-Methylphenol	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
Hexachloroethane	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
Nitrobenzene	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
Isophorone	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
2-Nitrophenol	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
Naphthalene	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
4-Chloroaniline	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
Caprolactam	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
2-Nitroaniline	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
Dimethylphthalate	Target	4	J	ug/L	4	J	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
Acenaphthylene	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
3-Nitroaniline	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Acenaphthene	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
4-Nitrophenol	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Dibenzofuran	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
Diethylphthalate	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
Fluorene	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
4-Nitroaniline	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
Atrazine	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Pentachlorophenol	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Phenanthrene	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW25

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Anthracene	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
Carbazole	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Di-n-butylphthalate	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
Fluoranthene	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
Pyrene	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
Butylbenzylphthalate	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
Chrysene	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	5.7	U	ug/L	5.7	U	1.0	YES	S3VEM
n-Hexadecanoic acid	TIC	2.7	JN	ug/L	2.7	JN	1.0	YES	NV
Total Alkanes	TIC	23	B	ug/L	23	B	1.0	YES	NV
Tridecane, 1-iodo-	TIC	3.8	JN	ug/L	3.8	JN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW25

Sample Number: BG539	Method: Volatile Organics	Matrix: Water	MA Number:
Sample Location: SED25/SW25	pH: 1.0	Sample Date: 04/13/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/L	4.1	J	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/L	2.1	JB	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW25

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/L		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Sample Number: BG540	Method: Volatile Organics	Matrix: Water	MA Number:
Sample Location: N/A	pH: 1.0	Sample Date: 04/13/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Acetone	Target	10		ug/L	10		1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	4.7	J	ug/L	4.7	J	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroform	Target	2.3	J	ug/L	2.3	JB	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methane, oxybis[chloro-	TIC	21	JN	ug/L	21	JN	1.0	YES	NV
Total Alkanes	TIC		N	ug/L		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Sample Number: BG541	Method: Volatile Organics	Matrix: Water	MA Number:
Sample Location: N/A	pH: 1.0	Sample Date: 04/14/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Acetone	Target	9.6	J	ug/L	9.6	J	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroform	Target	1.3	J	ug/L	1.3	JB	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/L		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Sample Number: BG542	Method: Volatile Organics	Matrix: Water	MA Number:
Sample Location: N/A	pH: 1.0	Sample Date: 04/15/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Acetone	Target	8.8	J	ug/L	8.8	J	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroform	Target	1.6	J	ug/L	1.6	JB	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/L		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-RIN01

Sample Number: BG545	Method: Aroclors	Matrix: Water	MA Number:
Sample Location: N/A	pH: 6	Sample Date: 04/15/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	1.0	UJ	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1221	Target	1.0	UJ	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1232	Target	1.0	UJ	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1242	Target	1.0	UJ	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1248	Target	1.0	UJ	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1254	Target	1.0	UJ	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1260	Target	1.0	UJ	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1262	Target	1.0	UJ	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1268	Target	1.0	UJ	ug/L	1.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project | **GroupID: 49391/68HERH20D0011/BG528** | **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-RIN01

Sample Number: BG545	Method: Pesticides	Matrix: Water	MA Number:
Sample Location: N/A	pH: 6	Sample Date: 04/15/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
beta-BHC	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
delta-BHC	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Heptachlor	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Aldrin	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endosulfan I	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Dieldrin	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
Endrin	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
Endosulfan II	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
Methoxychlor	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Endrin ketone	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Toxaphene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-RIN01

Sample Number: BG545	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location: N/A	pH: 6	Sample Date: 04/15/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.0	U	ug/L	2.0	U	1.0	YES	S3VEM
Benzaldehyde	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Phenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
2-Chlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Methylphenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Acetophenone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
4-Methylphenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Hexachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Nitrobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Isophorone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Nitrophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Naphthalene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Chloroaniline	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Caprolactam	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	1.8	J	ug/L	1.8	J	1.0	YES	S3VEM
1-Methylnaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Nitroaniline	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S3VEM
Dimethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Acenaphthylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
3-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S3VEM
Acenaphthene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S3VEM
4-Nitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S3VEM
Dibenzofuran	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Diethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Fluorene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Atrazine	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Pentachlorophenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Phenanthrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Anthracene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbazole	Target	10	U	ug/L	10	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-RIN01

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Pyrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Butylbenzylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chrysene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
unknown-01	TIC	2.6	J	ug/L	2.6	J	1.0	YES	NV
Total Alkanes	TIC		N	ug/L		N	1.0	YES	NV
unknown-04	TIC	5.9	J	ug/L	5.9	J	1.0	YES	NV
unknown-02	TIC	18	J	ug/L	18	J	1.0	YES	NV
unknown-03	TIC	39	J	ug/L	39	J	1.0	YES	NV
Phenol, 2-methoxy-	TIC	3.5	JN	ug/L	3.5	JN	1.0	YES	NV
n-Nonadecanol-1	TIC	2.2	JN	ug/L	2.2	JN	1.0	YES	NV
Myristin, 1,3-diaceto-2-	TIC	5.3	JN	ug/L	5.3	JN	1.0	YES	NV
Hexadecanoic acid, 2,3-bis(acetylo	TIC	2.6	JN	ug/L	2.6	JN	1.0	YES	NV
Octadecanoic acid, 2-(acetyloxy)-1	TIC	2.2	JN	ug/L	2.2	JN	1.0	YES	NV
Eicosanoic acid, 2-(acetyloxy)-1-[	TIC	13	JN	ug/L	13	JN	1.0	YES	NV
Propanoic acid, 2-methyl-, 3-hydro	TIC	3.7	JN	ug/L	3.7	JN	1.0	YES	NV
Propanoic acid, 2-methyl-, 1-(1,1-	TIC	2.2	JN	ug/L	2.2	JN	1.0	YES	NV
7,9-Di-tert-butyl-1-oxaspiro(4,5)d	TIC	2.7	JN	ug/L	2.7	JN	1.0	YES	NV
unknown-05	TIC	5.8	J	ug/L	5.8	J	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-RIN01

Sample Number: BG545	Method: Volatile Organics	Matrix: Water	MA Number:
Sample Location: N/A	pH: 1.0	Sample Date: 04/15/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Acetone	Target	10		ug/L	10		1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroform	Target	1.7	J	ug/L	1.7	JB	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-RIN01

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/L		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-RIN02

Sample Number: BG546	Method: Aroclors	Matrix: Water	MA Number:
Sample Location: N/A	pH: 6	Sample Date: 04/15/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1221	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1232	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1242	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1248	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1254	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1260	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1262	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1268	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-RIN02

Sample Number: BG546	Method: Pesticides	Matrix: Water	MA Number:
Sample Location: N/A	pH: 6	Sample Date: 04/15/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
beta-BHC	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
delta-BHC	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Heptachlor	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Aldrin	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endosulfan I	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Dieldrin	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
Endrin	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
Endosulfan II	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
Methoxychlor	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Endrin ketone	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Toxaphene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-RIN02

Sample Number: BG546	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location: N/A	pH: 6	Sample Date: 04/15/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.0	U	ug/L	2.0	U	1.0	YES	S3VEM
Benzaldehyde	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Phenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
2-Chlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Methylphenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Acetophenone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
4-Methylphenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Hexachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Nitrobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Isophorone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Nitrophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Naphthalene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Chloroaniline	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Caprolactam	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Nitroaniline	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dimethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Acenaphthylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
3-Nitroaniline	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Acenaphthene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
4-Nitrophenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Dibenzofuran	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Diethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Fluorene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Nitroaniline	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Atrazine	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Pentachlorophenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Phenanthrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Anthracene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbazole	Target	10	U	ug/L	10	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-RIN02

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Pyrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Butylbenzylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chrysene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Phenol, 2-methoxy-	TIC	4.7	JN	ug/L	4.7	JN	1.0	YES	NV
1-Hexanol, 2-ethyl-	TIC	2.7	JN	ug/L	2.7	JN	1.0	YES	NV
Benzaldehyde, 3-hydroxy-4-methoxy-	TIC	3.1	JN	ug/L	3.1	JN	1.0	YES	NV
Total Alkanes	TIC		N	ug/L		N	1.0	YES	NV
Propanoic acid, 2-methyl-, 3-hydro	TIC	5.9	JN	ug/L	5.9	JN	1.0	YES	NV
Propanoic acid, 2-methyl-, 1-(1,1-	TIC	2.1	JN	ug/L	2.1	JN	1.0	YES	NV
7,9-Di-tert-butyl-1-oxaspiro(4,5)d	TIC	3.1	JN	ug/L	3.1	JN	1.0	YES	NV
Propanoic acid, 2-methyl-, 2,2-dim	TIC	2.8	JN	ug/L	2.8	JN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-RIN02

Sample Number: BG546	Method: Volatile Organics	Matrix: Water	MA Number:
Sample Location: N/A	pH: 1.0	Sample Date: 04/15/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Acetone	Target	10		ug/L	10		1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroform	Target	1.5	J	ug/L	1.5	JB	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-RIN02

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/L		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project | **GroupID: 49391/68HERH20D0011/BG528** | **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW26

Sample Number: BG548	Method: Aroclors	Matrix: Water	MA Number:
Sample Location: SED09/SW09	pH: 6	Sample Date: 04/14/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1221	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1232	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1242	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1248	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1254	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1260	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1262	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1268	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project | **GroupID: 49391/68HERH20D0011/BG528** | **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW26

Sample Number: BG548	Method: Pesticides	Matrix: Water	MA Number:
Sample Location: SED09/SW09	pH: 6	Sample Date: 04/14/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.053	U	ug/L	0.053	U	1.0	YES	S3VEM
beta-BHC	Target	0.053	U	ug/L	0.053	U	1.0	YES	S3VEM
delta-BHC	Target	0.053	U	ug/L	0.053	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.053	U	ug/L	0.053	U	1.0	YES	S3VEM
Heptachlor	Target	0.053	U	ug/L	0.053	U	1.0	YES	S3VEM
Aldrin	Target	0.053	U	ug/L	0.053	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.053	U	ug/L	0.053	U	1.0	YES	S3VEM
Endosulfan I	Target	0.053	U	ug/L	0.053	U	1.0	YES	S3VEM
Dieldrin	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
Endrin	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
Endosulfan II	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
Methoxychlor	Target	0.53	U	ug/L	0.53	U	1.0	YES	S3VEM
Endrin ketone	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.053	U	ug/L	0.053	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.053	U	ug/L	0.053	U	1.0	YES	S3VEM
Toxaphene	Target	5.3	U	ug/L	5.3	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW26

Sample Number: BG548	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location: SED09/SW09	pH: 6	Sample Date: 04/14/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.2	U	ug/L	2.2	U	1.0	YES	S3VEM
Benzaldehyde	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Phenol	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
2-Chlorophenol	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
2-Methylphenol	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Acetophenone	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
4-Methylphenol	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Hexachloroethane	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Nitrobenzene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Isophorone	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
2-Nitrophenol	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Naphthalene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
4-Chloroaniline	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Caprolactam	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
2-Nitroaniline	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Dimethylphthalate	Target	2.7	J	ug/L	2.7	J	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Acenaphthylene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
3-Nitroaniline	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Acenaphthene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
4-Nitrophenol	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Dibenzofuran	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Diethylphthalate	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Fluorene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
4-Nitroaniline	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Atrazine	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Pentachlorophenol	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Phenanthrene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW26

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Anthracene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Carbazole	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Di-n-butylphthalate	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Fluoranthene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Pyrene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Butylbenzylphthalate	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Chrysene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	11	U	ug/L	11	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/L		N	1.0	YES	NV
n-Hexadecanoic acid	TIC	2.3	JN	ug/L	2.3	JN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW26

Sample Number: BG548	Method: Volatile Organics	Matrix: Water	MA Number:
Sample Location: SED09/SW09	pH: 1.0	Sample Date: 04/14/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/L	4.9	J	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/L	2	JB	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Toluene	Target	1.8	J	ug/L	1.8	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SW26

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/L		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Sample Number: PBLK826	Method: Pesticides	Matrix: Water	MA Number:
Sample Location:	pH: 6	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
beta-BHC	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
delta-BHC	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Heptachlor	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Aldrin	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endosulfan I	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Dieldrin	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
Endrin	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
Endosulfan II	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
Methoxychlor	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Endrin ketone	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Toxaphene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Sample Number: PLCS826	Method: Pesticides	Matrix: Water	MA Number:
Sample Location:	pH: 6	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Spike	0.043	J	ug/L	0.043	J	1.0	YES	S3VEM
beta-BHC	Spike	0.048	J	ug/L	0.048	JP	1.0	YES	S3VEM
delta-BHC	Spike	0.045	J	ug/L	0.045	JP	1.0	YES	S3VEM
gamma-BHC (Lindane)	Spike	0.044	J	ug/L	0.044	JP	1.0	YES	S3VEM
Heptachlor	Spike	0.048	J	ug/L	0.048	J	1.0	YES	S3VEM
Aldrin	Spike	0.048	J	ug/L	0.048	J	1.0	YES	S3VEM
Heptachlor epoxide	Spike	0.052		ug/L	0.052		1.0	YES	S3VEM
Endosulfan I	Spike	0.054		ug/L	0.054		1.0	YES	S3VEM
Dieldrin	Spike	0.099	J	ug/L	0.099	J	1.0	YES	S3VEM
4,4'-DDE	Spike	0.10		ug/L	0.10		1.0	YES	S3VEM
Endrin	Spike	0.11		ug/L	0.11		1.0	YES	S3VEM
Endosulfan II	Spike	0.11		ug/L	0.11		1.0	YES	S3VEM
4,4'-DDD	Spike	0.11		ug/L	0.11		1.0	YES	S3VEM
Endosulfan Sulfate	Spike	0.11		ug/L	0.11		1.0	YES	S3VEM
4,4'-DDT	Spike	0.085	J	ug/L	0.085	J	1.0	YES	S3VEM
Methoxychlor	Spike	0.50		ug/L	0.50		1.0	YES	S3VEM
Endrin ketone	Spike	0.13		ug/L	0.13		1.0	YES	S3VEM
Endrin Aldehyde	Spike	0.12		ug/L	0.12		1.0	YES	S3VEM
cis-Chlordane	Spike	0.052		ug/L	0.052		1.0	YES	S3VEM
trans-Chlordane	Spike	0.051		ug/L	0.051		1.0	YES	S3VEM
Toxaphene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Sample Number: SBLK733	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location:	pH: 6	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.0	U	ug/L	2.0	U	1.0	YES	S3VEM
Benzaldehyde	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Phenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
2-Chlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Methylphenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Acetophenone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
4-Methylphenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Hexachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Nitrobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Isophorone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Nitrophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Naphthalene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Chloroaniline	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Caprolactam	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Nitroaniline	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dimethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Acenaphthylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
3-Nitroaniline	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Acenaphthene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
4-Nitrophenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Dibenzofuran	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Diethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Fluorene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Nitroaniline	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Atrazine	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Pentachlorophenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Phenanthrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Anthracene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbazole	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Di-n-butylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Pyrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Butylbenzylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chrysene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/L		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Sample Number: SBLK757	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location:	pH: 6	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.0	U	ug/L	2.0	U	1.0	YES	S3VEM
Benzaldehyde	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Phenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
2-Chlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Methylphenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Acetophenone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
4-Methylphenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Hexachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Nitrobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Isophorone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Nitrophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Naphthalene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Chloroaniline	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Caprolactam	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Nitroaniline	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dimethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Acenaphthylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
3-Nitroaniline	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Acenaphthene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
4-Nitrophenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Dibenzofuran	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Diethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Fluorene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Nitroaniline	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Atrazine	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Pentachlorophenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Phenanthrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Anthracene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbazole	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Di-n-butylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Pyrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Butylbenzylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chrysene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/L		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Sample Number: SBLK824	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location:	pH: 6	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.0	U	ug/L	2.0	U	1.0	YES	S3VEM
Benzaldehyde	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Phenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
2-Chlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Methylphenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Acetophenone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
4-Methylphenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Hexachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Nitrobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Isophorone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Nitrophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Naphthalene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Chloroaniline	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Caprolactam	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Nitroaniline	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dimethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Acenaphthylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
3-Nitroaniline	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Acenaphthene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
4-Nitrophenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Dibenzofuran	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Diethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Fluorene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Nitroaniline	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Atrazine	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Pentachlorophenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Phenanthrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Anthracene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbazole	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Di-n-butylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Pyrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Butylbenzylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chrysene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/L		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Sample Number: SLCS733	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location:	pH: 6	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Spike	13		ug/L	13		1.0	YES	S3VEM
Benzaldehyde	Spike	36		ug/L	36		1.0	YES	S3VEM
Phenol	Spike	34		ug/L	34		1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Spike	33		ug/L	33		1.0	YES	S3VEM
2-Chlorophenol	Spike	35		ug/L	35		1.0	YES	S3VEM
2-Methylphenol	Spike	34		ug/L	34		1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Spike	33		ug/L	33		1.0	YES	S3VEM
Acetophenone	Spike	34		ug/L	34		1.0	YES	S3VEM
4-Methylphenol	Spike	34		ug/L	34		1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Spike	35		ug/L	35		1.0	YES	S3VEM
Hexachloroethane	Spike	35		ug/L	35		1.0	YES	S3VEM
Nitrobenzene	Spike	35		ug/L	35		1.0	YES	S3VEM
Isophorone	Spike	36		ug/L	36		1.0	YES	S3VEM
2-Nitrophenol	Spike	37		ug/L	37		1.0	YES	S3VEM
2,4-Dimethylphenol	Spike	35		ug/L	35		1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Spike	34		ug/L	34		1.0	YES	S3VEM
2,4-Dichlorophenol	Spike	36		ug/L	36		1.0	YES	S3VEM
Naphthalene	Spike	34		ug/L	34		1.0	YES	S3VEM
4-Chloroaniline	Spike	29		ug/L	29		1.0	YES	S3VEM
Hexachlorobutadiene	Spike	35		ug/L	35		1.0	YES	S3VEM
Caprolactam	Spike	37		ug/L	37		1.0	YES	S3VEM
4-Chloro-3-methylphenol	Spike	37		ug/L	37		1.0	YES	S3VEM
1-Methylnaphthalene	Spike	34		ug/L	34		1.0	YES	S3VEM
2-Methylnaphthalene	Spike	35		ug/L	35		1.0	YES	S3VEM
Hexachlorocyclopentadiene	Spike	32		ug/L	32		1.0	YES	S3VEM
2,4,6-Trichlorophenol	Spike	36		ug/L	36		1.0	YES	S3VEM
2,4,5-Trichlorophenol	Spike	36		ug/L	36		1.0	YES	S3VEM
1,1-Biphenyl	Spike	33		ug/L	33		1.0	YES	S3VEM
2-Chloronaphthalene	Spike	34		ug/L	34		1.0	YES	S3VEM
2-Nitroaniline	Spike	38		ug/L	38		1.0	YES	S3VEM
Dimethylphthalate	Spike	36		ug/L	36		1.0	YES	S3VEM
2,6-Dinitrotoluene	Spike	40		ug/L	40		1.0	YES	S3VEM
Acenaphthylene	Spike	34		ug/L	34		1.0	YES	S3VEM
3-Nitroaniline	Spike	32		ug/L	32		1.0	YES	S3VEM
Acenaphthene	Spike	34		ug/L	34		1.0	YES	S3VEM
2,4-Dinitrophenol	Spike	33		ug/L	33		1.0	YES	S3VEM
4-Nitrophenol	Spike	35		ug/L	35		1.0	YES	S3VEM
Dibenzofuran	Spike	34		ug/L	34		1.0	YES	S3VEM
2,4-Dinitrotoluene	Spike	41		ug/L	41		1.0	YES	S3VEM
Diethylphthalate	Spike	36		ug/L	36		1.0	YES	S3VEM
Fluorene	Spike	36		ug/L	36		1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Spike	36		ug/L	36		1.0	YES	S3VEM
4-Nitroaniline	Spike	38		ug/L	38		1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Spike	37		ug/L	37		1.0	YES	S3VEM
N-Nitrosodiphenylamine	Spike	37		ug/L	37		1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Spike	34		ug/L	34		1.0	YES	S3VEM
4-Bromophenyl-phenylether	Spike	38		ug/L	38		1.0	YES	S3VEM
Hexachlorobenzene	Spike	38		ug/L	38		1.0	YES	S3VEM
Atrazine	Spike	37		ug/L	37		1.0	YES	S3VEM
Pentachlorophenol	Spike	36		ug/L	36		1.0	YES	S3VEM
Phenanthrene	Spike	37		ug/L	37		1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Anthracene	Spike	37		ug/L	37		1.0	YES	S3VEM
Carbazole	Spike	37		ug/L	37		1.0	YES	S3VEM
Di-n-butylphthalate	Spike	41		ug/L	41		1.0	YES	S3VEM
Fluoranthene	Spike	39		ug/L	39		1.0	YES	S3VEM
Pyrene	Spike	38		ug/L	38		1.0	YES	S3VEM
Butylbenzylphthalate	Spike	43		ug/L	43		1.0	YES	S3VEM
3,3-Dichlorobenzidine	Spike	39		ug/L	39		1.0	YES	S3VEM
Benzo(a)anthracene	Spike	39		ug/L	39		1.0	YES	S3VEM
Chrysene	Spike	40		ug/L	40		1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Spike	43		ug/L	43		1.0	YES	S3VEM
Di-n-octyl phthalate	Spike	38		ug/L	38		1.0	YES	S3VEM
Benzo(b)fluoranthene	Spike	37		ug/L	37		1.0	YES	S3VEM
Benzo(k)fluoranthene	Spike	38		ug/L	38		1.0	YES	S3VEM
Benzo(a)pyrene	Spike	37		ug/L	37		1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Spike	37		ug/L	37		1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Spike	38		ug/L	38		1.0	YES	S3VEM
Benzo(g,h,i)perylene	Spike	37		ug/L	37		1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Spike	37		ug/L	37		1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/L		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Sample Number: SLCS757	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location:	pH: 6	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Spike	11		ug/L	11		1.0	YES	S3VEM
Benzaldehyde	Spike	33		ug/L	33		1.0	YES	S3VEM
Phenol	Spike	31		ug/L	31		1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Spike	30		ug/L	30		1.0	YES	S3VEM
2-Chlorophenol	Spike	32		ug/L	32		1.0	YES	S3VEM
2-Methylphenol	Spike	31		ug/L	31		1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Spike	31		ug/L	31		1.0	YES	S3VEM
Acetophenone	Spike	31		ug/L	31		1.0	YES	S3VEM
4-Methylphenol	Spike	31		ug/L	31		1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Spike	33		ug/L	33		1.0	YES	S3VEM
Hexachloroethane	Spike	31		ug/L	31		1.0	YES	S3VEM
Nitrobenzene	Spike	32		ug/L	32		1.0	YES	S3VEM
Isophorone	Spike	33		ug/L	33		1.0	YES	S3VEM
2-Nitrophenol	Spike	33		ug/L	33		1.0	YES	S3VEM
2,4-Dimethylphenol	Spike	32		ug/L	32		1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Spike	31		ug/L	31		1.0	YES	S3VEM
2,4-Dichlorophenol	Spike	32		ug/L	32		1.0	YES	S3VEM
Naphthalene	Spike	31		ug/L	31		1.0	YES	S3VEM
4-Chloroaniline	Spike	27		ug/L	27		1.0	YES	S3VEM
Hexachlorobutadiene	Spike	31		ug/L	31		1.0	YES	S3VEM
Caprolactam	Spike	33		ug/L	33		1.0	YES	S3VEM
4-Chloro-3-methylphenol	Spike	33		ug/L	33		1.0	YES	S3VEM
1-Methylnaphthalene	Spike	31		ug/L	31		1.0	YES	S3VEM
2-Methylnaphthalene	Spike	32		ug/L	32		1.0	YES	S3VEM
Hexachlorocyclopentadiene	Spike	27		ug/L	27		1.0	YES	S3VEM
2,4,6-Trichlorophenol	Spike	32		ug/L	32		1.0	YES	S3VEM
2,4,5-Trichlorophenol	Spike	32		ug/L	32		1.0	YES	S3VEM
1,1-Biphenyl	Spike	31		ug/L	31		1.0	YES	S3VEM
2-Chloronaphthalene	Spike	30		ug/L	30		1.0	YES	S3VEM
2-Nitroaniline	Spike	34		ug/L	34		1.0	YES	S3VEM
Dimethylphthalate	Spike	32		ug/L	32		1.0	YES	S3VEM
2,6-Dinitrotoluene	Spike	36		ug/L	36		1.0	YES	S3VEM
Acenaphthylene	Spike	32		ug/L	32		1.0	YES	S3VEM
3-Nitroaniline	Spike	29		ug/L	29		1.0	YES	S3VEM
Acenaphthene	Spike	31		ug/L	31		1.0	YES	S3VEM
2,4-Dinitrophenol	Spike	28		ug/L	28		1.0	YES	S3VEM
4-Nitrophenol	Spike	32		ug/L	32		1.0	YES	S3VEM
Dibenzofuran	Spike	31		ug/L	31		1.0	YES	S3VEM
2,4-Dinitrotoluene	Spike	37		ug/L	37		1.0	YES	S3VEM
Diethylphthalate	Spike	32		ug/L	32		1.0	YES	S3VEM
Fluorene	Spike	32		ug/L	32		1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Spike	33		ug/L	33		1.0	YES	S3VEM
4-Nitroaniline	Spike	33		ug/L	33		1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Spike	32		ug/L	32		1.0	YES	S3VEM
N-Nitrosodiphenylamine	Spike	34		ug/L	34		1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Spike	30		ug/L	30		1.0	YES	S3VEM
4-Bromophenyl-phenylether	Spike	34		ug/L	34		1.0	YES	S3VEM
Hexachlorobenzene	Spike	32		ug/L	32		1.0	YES	S3VEM
Atrazine	Spike	32		ug/L	32		1.0	YES	S3VEM
Pentachlorophenol	Spike	31		ug/L	31		1.0	YES	S3VEM
Phenanthrene	Spike	33		ug/L	33		1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Anthracene	Spike	33		ug/L	33		1.0	YES	S3VEM
Carbazole	Spike	32		ug/L	32		1.0	YES	S3VEM
Di-n-butylphthalate	Spike	35		ug/L	35		1.0	YES	S3VEM
Fluoranthene	Spike	34		ug/L	34		1.0	YES	S3VEM
Pyrene	Spike	33		ug/L	33		1.0	YES	S3VEM
Butylbenzylphthalate	Spike	37		ug/L	37		1.0	YES	S3VEM
3,3-Dichlorobenzidine	Spike	34		ug/L	34		1.0	YES	S3VEM
Benzo(a)anthracene	Spike	34		ug/L	34		1.0	YES	S3VEM
Chrysene	Spike	34		ug/L	34		1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Spike	37		ug/L	37		1.0	YES	S3VEM
Di-n-octyl phthalate	Spike	35		ug/L	35		1.0	YES	S3VEM
Benzo(b)fluoranthene	Spike	34		ug/L	34		1.0	YES	S3VEM
Benzo(k)fluoranthene	Spike	33		ug/L	33		1.0	YES	S3VEM
Benzo(a)pyrene	Spike	34		ug/L	34		1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Spike	35		ug/L	35		1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Spike	35		ug/L	35		1.0	YES	S3VEM
Benzo(g,h,i)perylene	Spike	35		ug/L	35		1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Spike	34		ug/L	34		1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/L		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Sample Number: SLCS824	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location:	pH: 6	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Spike	9.9		ug/L	9.9		1.0	YES	S3VEM
Benzaldehyde	Spike	36		ug/L	36		1.0	YES	S3VEM
Phenol	Spike	30		ug/L	30		1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Spike	31		ug/L	31		1.0	YES	S3VEM
2-Chlorophenol	Spike	31		ug/L	31		1.0	YES	S3VEM
2-Methylphenol	Spike	31		ug/L	31		1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Spike	32		ug/L	32		1.0	YES	S3VEM
Acetophenone	Spike	33		ug/L	33		1.0	YES	S3VEM
4-Methylphenol	Spike	31		ug/L	31		1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Spike	35		ug/L	35		1.0	YES	S3VEM
Hexachloroethane	Spike	33		ug/L	33		1.0	YES	S3VEM
Nitrobenzene	Spike	33		ug/L	33		1.0	YES	S3VEM
Isophorone	Spike	36		ug/L	36		1.0	YES	S3VEM
2-Nitrophenol	Spike	32		ug/L	32		1.0	YES	S3VEM
2,4-Dimethylphenol	Spike	30		ug/L	30		1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Spike	33		ug/L	33		1.0	YES	S3VEM
2,4-Dichlorophenol	Spike	32		ug/L	32		1.0	YES	S3VEM
Naphthalene	Spike	32		ug/L	32		1.0	YES	S3VEM
4-Chloroaniline	Spike	29		ug/L	29		1.0	YES	S3VEM
Hexachlorobutadiene	Spike	32		ug/L	32		1.0	YES	S3VEM
Caprolactam	Spike	34		ug/L	34		1.0	YES	S3VEM
4-Chloro-3-methylphenol	Spike	34		ug/L	34		1.0	YES	S3VEM
1-Methylnaphthalene	Spike	32		ug/L	32		1.0	YES	S3VEM
2-Methylnaphthalene	Spike	34		ug/L	34		1.0	YES	S3VEM
Hexachlorocyclopentadiene	Spike	31		ug/L	31		1.0	YES	S3VEM
2,4,6-Trichlorophenol	Spike	33		ug/L	33		1.0	YES	S3VEM
2,4,5-Trichlorophenol	Spike	34		ug/L	34		1.0	YES	S3VEM
1,1-Biphenyl	Spike	34		ug/L	34		1.0	YES	S3VEM
2-Chloronaphthalene	Spike	33		ug/L	33		1.0	YES	S3VEM
2-Nitroaniline	Spike	38		ug/L	38		1.0	YES	S3VEM
Dimethylphthalate	Spike	36		ug/L	36		1.0	YES	S3VEM
2,6-Dinitrotoluene	Spike	41		ug/L	41		1.0	YES	S3VEM
Acenaphthylene	Spike	35		ug/L	35		1.0	YES	S3VEM
3-Nitroaniline	Spike	31		ug/L	31		1.0	YES	S3VEM
Acenaphthene	Spike	35		ug/L	35		1.0	YES	S3VEM
2,4-Dinitrophenol	Spike	27		ug/L	27		1.0	YES	S3VEM
4-Nitrophenol	Spike	32		ug/L	32		1.0	YES	S3VEM
Dibenzofuran	Spike	35		ug/L	35		1.0	YES	S3VEM
2,4-Dinitrotoluene	Spike	41		ug/L	41		1.0	YES	S3VEM
Diethylphthalate	Spike	35		ug/L	35		1.0	YES	S3VEM
Fluorene	Spike	36		ug/L	36		1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Spike	36		ug/L	36		1.0	YES	S3VEM
4-Nitroaniline	Spike	35		ug/L	35		1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Spike	31		ug/L	31		1.0	YES	S3VEM
N-Nitrosodiphenylamine	Spike	35		ug/L	35		1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Spike	33		ug/L	33		1.0	YES	S3VEM
4-Bromophenyl-phenylether	Spike	37		ug/L	37		1.0	YES	S3VEM
Hexachlorobenzene	Spike	37		ug/L	37		1.0	YES	S3VEM
Atrazine	Spike	33		ug/L	33		1.0	YES	S3VEM
Pentachlorophenol	Spike	31		ug/L	31		1.0	YES	S3VEM
Phenanthrene	Spike	35		ug/L	35		1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Anthracene	Spike	36		ug/L	36		1.0	YES	S3VEM
Carbazole	Spike	34		ug/L	34		1.0	YES	S3VEM
Di-n-butylphthalate	Spike	36		ug/L	36		1.0	YES	S3VEM
Fluoranthene	Spike	36		ug/L	36		1.0	YES	S3VEM
Pyrene	Spike	36		ug/L	36		1.0	YES	S3VEM
Butylbenzylphthalate	Spike	35		ug/L	35		1.0	YES	S3VEM
3,3-Dichlorobenzidine	Spike	32		ug/L	32		1.0	YES	S3VEM
Benzo(a)anthracene	Spike	36		ug/L	36		1.0	YES	S3VEM
Chrysene	Spike	36		ug/L	36		1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Spike	36		ug/L	36		1.0	YES	S3VEM
Di-n-octyl phthalate	Spike	32		ug/L	32		1.0	YES	S3VEM
Benzo(b)fluoranthene	Spike	34		ug/L	34		1.0	YES	S3VEM
Benzo(k)fluoranthene	Spike	36		ug/L	36		1.0	YES	S3VEM
Benzo(a)pyrene	Spike	35		ug/L	35		1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Spike	35		ug/L	35		1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Spike	35		ug/L	35		1.0	YES	S3VEM
Benzo(g,h,i)perylene	Spike	36		ug/L	36		1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Spike	35		ug/L	35		1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/L		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Sample Number: VBLK163	Method: Volatile Organics	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroform	Target	2.3	J	ug/L	2.3	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/L		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Sample Number: VBLK164	Method: Volatile Organics	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroform	Target	1.4	J	ug/L	1.4	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
unknown-01	TIC	18	J	ug/L	18	J	1.0	YES	NV
Total Alkanes	TIC		N	ug/L		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Sample Number: VBLK165	Method: Volatile Organics	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroform	Target	1.1	J	ug/L	1.1	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.5	J	ug/L	0.5	J	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/L		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Sample Number: VBLK166	Method: Volatile Organics	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/L		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Sample Number: VHBLK001	Method: Volatile Organics	Matrix: Water	MA Number:
Sample Location:	pH: 1.0	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG528** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/L		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project | **GroupID: 49391/68HERH20D0011/BG528** | **Lab Name: Chemtech Consulting Group**

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG540	DI Water	04/13/2021	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5.0	ug/L	6100-TB01
BG540	DI Water	04/13/2021	1.0	74-87-3	Chloromethane	5.0	U	U	5.0	ug/L	6100-TB01
BG540	DI Water	04/13/2021	1.0	75-01-4	Vinyl chloride	5.0	U	U	5.0	ug/L	6100-TB01
BG540	DI Water	04/13/2021	1.0	74-83-9	Bromomethane	5.0	U	U	5.0	ug/L	6100-TB01
BG540	DI Water	04/13/2021	1.0	75-00-3	Chloroethane	5.0	U	U	5.0	ug/L	6100-TB01
BG540	DI Water	04/13/2021	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5.0	ug/L	6100-TB01
BG540	DI Water	04/13/2021	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5.0	ug/L	6100-TB01
BG540	DI Water	04/13/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5.0	ug/L	6100-TB01
BG540	DI Water	04/13/2021	1.0	67-64-1	Acetone	10			10	ug/L	6100-TB01
BG540	DI Water	04/13/2021	1.0	75-15-0	Carbon disulfide	5.0	U	U	5.0	ug/L	6100-TB01
BG540	DI Water	04/13/2021	1.0	79-20-9	Methyl Acetate	5.0	U	U	5.0	ug/L	6100-TB01
BG540	DI Water	04/13/2021	1.0	75-09-2	Methylene chloride	5.0	U	U	5.0	ug/L	6100-TB01
BG540	DI Water	04/13/2021	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5.0	ug/L	6100-TB01
BG540	DI Water	04/13/2021	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5.0	ug/L	6100-TB01
BG540	DI Water	04/13/2021	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5.0	ug/L	6100-TB01
BG540	DI Water	04/13/2021	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5.0	ug/L	6100-TB01
BG540	DI Water	04/13/2021	1.0	78-93-3	2-Butanone	4.7	J	J	10	ug/L	6100-TB01
BG540	DI Water	04/13/2021	1.0	74-97-5	Bromochloromethane	5.0	U	U	5.0	ug/L	6100-TB01
BG540	DI Water	04/13/2021	1.0	67-66-3	Chloroform	2.3	JB	J	5.0	ug/L	6100-TB01
BG540	DI Water	04/13/2021	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5.0	ug/L	6100-TB01
BG540	DI Water	04/13/2021	1.0	110-82-7	Cyclohexane	5.0	U	U	5.0	ug/L	6100-TB01
BG540	DI Water	04/13/2021	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5.0	ug/L	6100-TB01
BG540	DI Water	04/13/2021	1.0	71-43-2	Benzene	5.0	U	U	5.0	ug/L	6100-TB01
BG540	DI Water	04/13/2021	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5.0	ug/L	6100-TB01
BG540	DI Water	04/13/2021	1.0	79-01-6	Trichloroethene	5.0	U	U	5.0	ug/L	6100-TB01
BG540	DI Water	04/13/2021	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5.0	ug/L	6100-TB01
BG540	DI Water	04/13/2021	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5.0	ug/L	6100-TB01
BG540	DI Water	04/13/2021	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5.0	ug/L	6100-TB01
BG540	DI Water	04/13/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5.0	ug/L	6100-TB01
BG540	DI Water	04/13/2021	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/L	6100-TB01
BG540	DI Water	04/13/2021	1.0	108-88-3	Toluene	5.0	U	U	5.0	ug/L	6100-TB01
BG540	DI Water	04/13/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5.0	ug/L	6100-TB01
BG540	DI Water	04/13/2021	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5.0	ug/L	6100-TB01
BG540	DI Water	04/13/2021	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5.0	ug/L	6100-TB01
BG540	DI Water	04/13/2021	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/L	6100-TB01
BG540	DI Water	04/13/2021	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5.0	ug/L	6100-TB01
BG540	DI Water	04/13/2021	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5.0	ug/L	6100-TB01
BG540	DI Water	04/13/2021	1.0	108-90-7	Chlorobenzene	5.0	U	U	5.0	ug/L	6100-TB01
BG540	DI Water	04/13/2021	1.0	100-41-4	Ethylbenzene	5.0	U	U	5.0	ug/L	6100-TB01
BG540	DI Water	04/13/2021	1.0	95-47-6	o-Xylene	5.0	U	U	5.0	ug/L	6100-TB01
BG540	DI Water	04/13/2021	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5.0	ug/L	6100-TB01
BG540	DI Water	04/13/2021	1.0	100-42-5	Styrene	5.0	U	U	5.0	ug/L	6100-TB01
BG540	DI Water	04/13/2021	1.0	75-25-2	Bromoform	5.0	U	U	5.0	ug/L	6100-TB01
BG540	DI Water	04/13/2021	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5.0	ug/L	6100-TB01
BG540	DI Water	04/13/2021	1.0	96-18-4	1,2,3-Trichloropropane	5.0	U	U	5.0	ug/L	6100-TB01
BG540	DI Water	04/13/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5.0	ug/L	6100-TB01
BG540	DI Water	04/13/2021	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5.0	ug/L	6100-TB01
BG540	DI Water	04/13/2021	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5.0	ug/L	6100-TB01
BG540	DI Water	04/13/2021	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5.0	ug/L	6100-TB01
BG540	DI Water	04/13/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5.0	ug/L	6100-TB01
BG540	DI Water	04/13/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	5.0	U	U	5.0	ug/L	6100-TB01
BG540	DI Water	04/13/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	5.0	U	U	5.0	ug/L	6100-TB01
BG540	DI Water	04/13/2021	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5.0	ug/L	6100-TB01
BG540	DI Water	04/13/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5.0	ug/L	6100-TB01
BG540	DI Water	04/13/2021	1.0	000542-88-1	Methane, oxybis[chloro-	21	JN	JN		ug/L	6100-TB01
BG540	DI Water	04/13/2021	1.0	E966796	Total Alkanes		N	N		ug/L	6100-TB01
BG541	DI Water	04/14/2021	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5.0	ug/L	6100-TB02
BG541	DI Water	04/14/2021	1.0	74-87-3	Chloromethane	5.0	U	U	5.0	ug/L	6100-TB02
BG541	DI Water	04/14/2021	1.0	75-01-4	Vinyl chloride	5.0	U	U	5.0	ug/L	6100-TB02
BG541	DI Water	04/14/2021	1.0	74-83-9	Bromomethane	5.0	U	U	5.0	ug/L	6100-TB02
BG541	DI Water	04/14/2021	1.0	75-00-3	Chloroethane	5.0	U	U	5.0	ug/L	6100-TB02
BG541	DI Water	04/14/2021	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5.0	ug/L	6100-TB02
BG541	DI Water	04/14/2021	1.0	75-35-4	1,1-Dichloroethene	5.0	U	UJ	5.0	ug/L	6100-TB02
BG541	DI Water	04/14/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5.0	ug/L	6100-TB02
BG541	DI Water	04/14/2021	1.0	67-64-1	Acetone	9.6	J	J	10	ug/L	6100-TB02
BG541	DI Water	04/14/2021	1.0	75-15-0	Carbon disulfide	5.0	U	U	5.0	ug/L	6100-TB02
BG541	DI Water	04/14/2021	1.0	79-20-9	Methyl Acetate	5.0	U	U	5.0	ug/L	6100-TB02
BG541	DI Water	04/14/2021	1.0	75-09-2	Methylene chloride	5.0	U	U	5.0	ug/L	6100-TB02
BG541	DI Water	04/14/2021	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	UJ	5.0	ug/L	6100-TB02
BG541	DI Water	04/14/2021	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5.0	ug/L	6100-TB02
BG541	DI Water	04/14/2021	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5.0	ug/L	6100-TB02

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG541	DI Water	04/14/2021	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	UJ	5.0	ug/L	6100-TB02
BG541	DI Water	04/14/2021	1.0	78-93-3	2-Butanone	10	U	U	10	ug/L	6100-TB02
BG541	DI Water	04/14/2021	1.0	74-97-5	Bromochloromethane	5.0	U	U	5.0	ug/L	6100-TB02
BG541	DI Water	04/14/2021	1.0	67-66-3	Chloroform	1.3	JB	J	5.0	ug/L	6100-TB02
BG541	DI Water	04/14/2021	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5.0	ug/L	6100-TB02
BG541	DI Water	04/14/2021	1.0	110-82-7	Cyclohexane	5.0	U	U	5.0	ug/L	6100-TB02
BG541	DI Water	04/14/2021	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5.0	ug/L	6100-TB02
BG541	DI Water	04/14/2021	1.0	71-43-2	Benzene	5.0	U	U	5.0	ug/L	6100-TB02
BG541	DI Water	04/14/2021	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5.0	ug/L	6100-TB02
BG541	DI Water	04/14/2021	1.0	79-01-6	Trichloroethene	5.0	U	U	5.0	ug/L	6100-TB02
BG541	DI Water	04/14/2021	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5.0	ug/L	6100-TB02
BG541	DI Water	04/14/2021	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5.0	ug/L	6100-TB02
BG541	DI Water	04/14/2021	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5.0	ug/L	6100-TB02
BG541	DI Water	04/14/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5.0	ug/L	6100-TB02
BG541	DI Water	04/14/2021	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/L	6100-TB02
BG541	DI Water	04/14/2021	1.0	108-88-3	Toluene	5.0	U	U	5.0	ug/L	6100-TB02
BG541	DI Water	04/14/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5.0	ug/L	6100-TB02
BG541	DI Water	04/14/2021	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5.0	ug/L	6100-TB02
BG541	DI Water	04/14/2021	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5.0	ug/L	6100-TB02
BG541	DI Water	04/14/2021	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/L	6100-TB02
BG541	DI Water	04/14/2021	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5.0	ug/L	6100-TB02
BG541	DI Water	04/14/2021	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5.0	ug/L	6100-TB02
BG541	DI Water	04/14/2021	1.0	108-90-7	Chlorobenzene	5.0	U	U	5.0	ug/L	6100-TB02
BG541	DI Water	04/14/2021	1.0	100-41-4	Ethylbenzene	5.0	U	U	5.0	ug/L	6100-TB02
BG541	DI Water	04/14/2021	1.0	95-47-6	o-Xylene	5.0	U	U	5.0	ug/L	6100-TB02
BG541	DI Water	04/14/2021	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5.0	ug/L	6100-TB02
BG541	DI Water	04/14/2021	1.0	100-42-5	Styrene	5.0	U	U	5.0	ug/L	6100-TB02
BG541	DI Water	04/14/2021	1.0	75-25-2	Bromoform	5.0	U	U	5.0	ug/L	6100-TB02
BG541	DI Water	04/14/2021	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5.0	ug/L	6100-TB02
BG541	DI Water	04/14/2021	1.0	96-18-4	1,2,3-Trichloropropane	5.0	U	U	5.0	ug/L	6100-TB02
BG541	DI Water	04/14/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5.0	ug/L	6100-TB02
BG541	DI Water	04/14/2021	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5.0	ug/L	6100-TB02
BG541	DI Water	04/14/2021	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5.0	ug/L	6100-TB02
BG541	DI Water	04/14/2021	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5.0	ug/L	6100-TB02
BG541	DI Water	04/14/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5.0	ug/L	6100-TB02
BG541	DI Water	04/14/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	5.0	U	U	5.0	ug/L	6100-TB02
BG541	DI Water	04/14/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	5.0	U	U	5.0	ug/L	6100-TB02
BG541	DI Water	04/14/2021	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5.0	ug/L	6100-TB02
BG541	DI Water	04/14/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5.0	ug/L	6100-TB02
BG541	DI Water	04/14/2021	1.0	E966796	Total Alkanes		N	N		ug/L	6100-TB02
BG542	DI Water	04/15/2021	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5.0	ug/L	6100-TB03
BG542	DI Water	04/15/2021	1.0	74-87-3	Chloromethane	5.0	U	U	5.0	ug/L	6100-TB03
BG542	DI Water	04/15/2021	1.0	75-01-4	Vinyl chloride	5.0	U	U	5.0	ug/L	6100-TB03
BG542	DI Water	04/15/2021	1.0	74-83-9	Bromomethane	5.0	U	U	5.0	ug/L	6100-TB03
BG542	DI Water	04/15/2021	1.0	75-00-3	Chloroethane	5.0	U	U	5.0	ug/L	6100-TB03
BG542	DI Water	04/15/2021	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5.0	ug/L	6100-TB03
BG542	DI Water	04/15/2021	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5.0	ug/L	6100-TB03
BG542	DI Water	04/15/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5.0	ug/L	6100-TB03
BG542	DI Water	04/15/2021	1.0	67-64-1	Acetone	8.8	J	J	10	ug/L	6100-TB03
BG542	DI Water	04/15/2021	1.0	75-15-0	Carbon disulfide	5.0	U	U	5.0	ug/L	6100-TB03
BG542	DI Water	04/15/2021	1.0	79-20-9	Methyl Acetate	5.0	U	U	5.0	ug/L	6100-TB03
BG542	DI Water	04/15/2021	1.0	75-09-2	Methylene chloride	5.0	U	U	5.0	ug/L	6100-TB03
BG542	DI Water	04/15/2021	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5.0	ug/L	6100-TB03
BG542	DI Water	04/15/2021	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5.0	ug/L	6100-TB03
BG542	DI Water	04/15/2021	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5.0	ug/L	6100-TB03
BG542	DI Water	04/15/2021	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5.0	ug/L	6100-TB03
BG542	DI Water	04/15/2021	1.0	78-93-3	2-Butanone	10	U	U	10	ug/L	6100-TB03
BG542	DI Water	04/15/2021	1.0	74-97-5	Bromochloromethane	5.0	U	U	5.0	ug/L	6100-TB03
BG542	DI Water	04/15/2021	1.0	67-66-3	Chloroform	1.6	JB	J	5.0	ug/L	6100-TB03
BG542	DI Water	04/15/2021	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5.0	ug/L	6100-TB03
BG542	DI Water	04/15/2021	1.0	110-82-7	Cyclohexane	5.0	U	U	5.0	ug/L	6100-TB03
BG542	DI Water	04/15/2021	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5.0	ug/L	6100-TB03
BG542	DI Water	04/15/2021	1.0	71-43-2	Benzene	5.0	U	U	5.0	ug/L	6100-TB03
BG542	DI Water	04/15/2021	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5.0	ug/L	6100-TB03
BG542	DI Water	04/15/2021	1.0	79-01-6	Trichloroethene	5.0	U	U	5.0	ug/L	6100-TB03
BG542	DI Water	04/15/2021	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5.0	ug/L	6100-TB03
BG542	DI Water	04/15/2021	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5.0	ug/L	6100-TB03
BG542	DI Water	04/15/2021	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5.0	ug/L	6100-TB03
BG542	DI Water	04/15/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5.0	ug/L	6100-TB03
BG542	DI Water	04/15/2021	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/L	6100-TB03
BG542	DI Water	04/15/2021	1.0	108-88-3	Toluene	5.0	U	U	5.0	ug/L	6100-TB03

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG542	DI Water	04/15/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5.0	ug/L	6100-TB03
BG542	DI Water	04/15/2021	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5.0	ug/L	6100-TB03
BG542	DI Water	04/15/2021	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5.0	ug/L	6100-TB03
BG542	DI Water	04/15/2021	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/L	6100-TB03
BG542	DI Water	04/15/2021	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5.0	ug/L	6100-TB03
BG542	DI Water	04/15/2021	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5.0	ug/L	6100-TB03
BG542	DI Water	04/15/2021	1.0	108-90-7	Chlorobenzene	5.0	U	U	5.0	ug/L	6100-TB03
BG542	DI Water	04/15/2021	1.0	100-41-4	Ethylbenzene	5.0	U	U	5.0	ug/L	6100-TB03
BG542	DI Water	04/15/2021	1.0	95-47-6	o-Xylene	5.0	U	U	5.0	ug/L	6100-TB03
BG542	DI Water	04/15/2021	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5.0	ug/L	6100-TB03
BG542	DI Water	04/15/2021	1.0	100-42-5	Styrene	5.0	U	U	5.0	ug/L	6100-TB03
BG542	DI Water	04/15/2021	1.0	75-25-2	Bromoform	5.0	U	U	5.0	ug/L	6100-TB03
BG542	DI Water	04/15/2021	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5.0	ug/L	6100-TB03
BG542	DI Water	04/15/2021	1.0	96-18-4	1,2,3-Trichloropropane	5.0	U	U	5.0	ug/L	6100-TB03
BG542	DI Water	04/15/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5.0	ug/L	6100-TB03
BG542	DI Water	04/15/2021	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5.0	ug/L	6100-TB03
BG542	DI Water	04/15/2021	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5.0	ug/L	6100-TB03
BG542	DI Water	04/15/2021	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5.0	ug/L	6100-TB03
BG542	DI Water	04/15/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5.0	ug/L	6100-TB03
BG542	DI Water	04/15/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	5.0	U	U	5.0	ug/L	6100-TB03
BG542	DI Water	04/15/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	5.0	U	U	5.0	ug/L	6100-TB03
BG542	DI Water	04/15/2021	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5.0	ug/L	6100-TB03
BG542	DI Water	04/15/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5.0	ug/L	6100-TB03
BG542	DI Water	04/15/2021	1.0	E966796	Total Alkanes		N	N		ug/L	6100-TB03
BG545	DI Water	04/15/2021	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	74-87-3	Chloromethane	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	75-01-4	Vinyl chloride	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	74-83-9	Bromomethane	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	75-00-3	Chloroethane	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	67-64-1	Acetone	10			10	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	75-15-0	Carbon disulfide	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	79-20-9	Methyl Acetate	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	75-09-2	Methylene chloride	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	78-93-3	2-Butanone	10	U	U	10	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	74-97-5	Bromochloromethane	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	67-66-3	Chloroform	1.7	JB	J	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	110-82-7	Cyclohexane	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	71-43-2	Benzene	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	79-01-6	Trichloroethene	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	108-88-3	Toluene	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	108-90-7	Chlorobenzene	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	100-41-4	Ethylbenzene	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	95-47-6	o-Xylene	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	100-42-5	Styrene	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	75-25-2	Bromoform	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	96-18-4	1,2,3-Trichloropropane	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5.0	ug/L	6100-RIN01

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG545	DI Water	04/15/2021	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	E966796	Total Alkanes		N	N		ug/L	6100-RIN01
BG546	DI Water	04/15/2021	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	74-87-3	Chloromethane	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	75-01-4	Vinyl chloride	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	74-83-9	Bromomethane	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	75-00-3	Chloroethane	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	67-64-1	Acetone	10			10	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	75-15-0	Carbon disulfide	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	79-20-9	Methyl Acetate	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	75-09-2	Methylene chloride	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	78-93-3	2-Butanone	10	U	U	10	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	74-97-5	Bromochloromethane	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	67-66-3	Chloroform	1.5	JB	J	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	110-82-7	Cyclohexane	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	71-43-2	Benzene	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	79-01-6	Trichloroethene	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	108-88-3	Toluene	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	108-90-7	Chlorobenzene	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	100-41-4	Ethylbenzene	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	95-47-6	o-Xylene	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	100-42-5	Styrene	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	75-25-2	Bromoform	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	96-18-4	1,2,3-Trichloropropane	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	E966796	Total Alkanes		N	N		ug/L	6100-RIN02
BG528	Surface Water	04/13/2021	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	74-87-3	Chloromethane	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	75-01-4	Vinyl chloride	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	74-83-9	Bromomethane	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	75-00-3	Chloroethane	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5.0	ug/L	6100-SW01

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG528	Surface Water	04/13/2021	1.0	67-64-1	Acetone	10	J	U	10	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	75-15-0	Carbon disulfide	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	79-20-9	Methyl Acetate	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	75-09-2	Methylene chloride	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	78-93-3	2-Butanone	10	U	U	10	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	74-97-5	Bromochloromethane	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	67-66-3	Chloroform	5.0	JB	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	110-82-7	Cyclohexane	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	71-43-2	Benzene	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	79-01-6	Trichloroethene	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	108-88-3	Toluene	1.4	J	J	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	108-90-7	Chlorobenzene	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	100-41-4	Ethylbenzene	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	95-47-6	o-Xylene	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	100-42-5	Styrene	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	75-25-2	Bromoform	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	96-18-4	1,2,3-Trichloropropane	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	E966796	Total Alkanes		N	N		ug/L	6100-SW01
BG529	Surface Water	04/13/2021	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	74-87-3	Chloromethane	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	75-01-4	Vinyl chloride	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	74-83-9	Bromomethane	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	75-00-3	Chloroethane	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	67-64-1	Acetone	10	J	U	10	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	75-15-0	Carbon disulfide	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	79-20-9	Methyl Acetate	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	75-09-2	Methylene chloride	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	78-93-3	2-Butanone	10	U	U	10	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	74-97-5	Bromochloromethane	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	67-66-3	Chloroform	5.0	JB	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	110-82-7	Cyclohexane	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	71-43-2	Benzene	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5.0	ug/L	6100-SW04

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG529	Surface Water	04/13/2021	1.0	79-01-6	Trichloroethene	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	108-88-3	Toluene	1.4	J	J	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	108-90-7	Chlorobenzene	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	100-41-4	Ethylbenzene	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	95-47-6	o-Xylene	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	100-42-5	Styrene	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	75-25-2	Bromoform	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	96-18-4	1,2,3-Trichloropropane	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	E966796	Total Alkanes		N	N		ug/L	6100-SW04
BG530	Surface Water	04/14/2021	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5.0	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	74-87-3	Chloromethane	5.0	U	U	5.0	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	75-01-4	Vinyl chloride	5.0	U	U	5.0	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	74-83-9	Bromomethane	5.0	U	U	5.0	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	75-00-3	Chloroethane	5.0	U	U	5.0	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5.0	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	75-35-4	1,1-Dichloroethene	5.0	U	UJ	5.0	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5.0	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	67-64-1	Acetone	10	J	UJ	10	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	75-15-0	Carbon disulfide	5.0	U	U	5.0	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	79-20-9	Methyl Acetate	5.0	U	U	5.0	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	75-09-2	Methylene chloride	5.0	U	U	5.0	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	UJ	5.0	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5.0	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5.0	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	UJ	5.0	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	78-93-3	2-Butanone	10	U	U	10	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	74-97-5	Bromochloromethane	5.0	U	U	5.0	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	67-66-3	Chloroform	5.0	JB	U	5.0	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5.0	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	110-82-7	Cyclohexane	5.0	U	U	5.0	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5.0	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	71-43-2	Benzene	5.0	U	U	5.0	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5.0	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	79-01-6	Trichloroethene	5.0	U	U	5.0	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5.0	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5.0	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5.0	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5.0	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	108-88-3	Toluene	1.6	J	J	5.0	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5.0	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5.0	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5.0	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5.0	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5.0	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	108-90-7	Chlorobenzene	5.0	U	U	5.0	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	100-41-4	Ethylbenzene	5.0	U	U	5.0	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	95-47-6	o-Xylene	5.0	U	U	5.0	ug/L	6100-SW09

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG530	Surface Water	04/14/2021	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5.0	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	100-42-5	Styrene	5.0	U	U	5.0	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	75-25-2	Bromoform	5.0	U	U	5.0	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5.0	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	96-18-4	1,2,3-Trichloropropane	5.0	U	U	5.0	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5.0	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5.0	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5.0	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5.0	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5.0	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	5.0	U	U	5.0	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	5.0	U	U	5.0	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5.0	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5.0	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	E966796	Total Alkanes		N	N		ug/L	6100-SW09
BG531	Surface Water	04/14/2021	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5.0	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	74-87-3	Chloromethane	5.0	U	U	5.0	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	75-01-4	Vinyl chloride	5.0	U	U	5.0	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	74-83-9	Bromomethane	5.0	U	U	5.0	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	75-00-3	Chloroethane	5.0	U	U	5.0	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5.0	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5.0	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5.0	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	67-64-1	Acetone	10	J	U	10	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	75-15-0	Carbon disulfide	5.0	U	U	5.0	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	79-20-9	Methyl Acetate	5.0	U	U	5.0	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	75-09-2	Methylene chloride	5.0	U	U	5.0	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5.0	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5.0	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5.0	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5.0	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	78-93-3	2-Butanone	10	U	U	10	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	74-97-5	Bromochloromethane	5.0	U	U	5.0	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	67-66-3	Chloroform	5.0	JB	U	5.0	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5.0	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	110-82-7	Cyclohexane	5.0	U	U	5.0	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5.0	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	71-43-2	Benzene	5.0	U	U	5.0	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5.0	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	79-01-6	Trichloroethene	5.0	U	U	5.0	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5.0	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5.0	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5.0	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5.0	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	108-88-3	Toluene	2.2	J	J	5.0	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5.0	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5.0	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5.0	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5.0	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5.0	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	108-90-7	Chlorobenzene	5.0	U	U	5.0	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	100-41-4	Ethylbenzene	5.0	U	U	5.0	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	95-47-6	o-Xylene	5.0	U	U	5.0	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5.0	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	100-42-5	Styrene	5.0	U	U	5.0	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	75-25-2	Bromoform	5.0	U	U	5.0	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5.0	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	96-18-4	1,2,3-Trichloropropane	5.0	U	U	5.0	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5.0	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5.0	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5.0	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5.0	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5.0	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	5.0	U	U	5.0	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	5.0	U	U	5.0	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5.0	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5.0	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	E966796	Total Alkanes		N	N		ug/L	6100-SW11
BG532	Surface Water	04/14/2021	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5.0	ug/L	6100-SW13

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG532	Surface Water	04/14/2021	1.0	74-87-3	Chloromethane	5.0	U	U	5.0	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	75-01-4	Vinyl chloride	5.0	U	U	5.0	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	74-83-9	Bromomethane	5.0	U	U	5.0	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	75-00-3	Chloroethane	5.0	U	U	5.0	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5.0	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5.0	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5.0	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	67-64-1	Acetone	10	J	U	10	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	75-15-0	Carbon disulfide	5.0	U	U	5.0	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	79-20-9	Methyl Acetate	5.0	U	U	5.0	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	75-09-2	Methylene chloride	5.0	U	U	5.0	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5.0	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5.0	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5.0	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5.0	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	78-93-3	2-Butanone	10	U	U	10	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	74-97-5	Bromochloromethane	5.0	U	U	5.0	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	67-66-3	Chloroform	5.0	JB	U	5.0	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5.0	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	110-82-7	Cyclohexane	5.0	U	U	5.0	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5.0	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	71-43-2	Benzene	5.0	U	U	5.0	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5.0	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	79-01-6	Trichloroethene	5.0	U	U	5.0	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5.0	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5.0	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5.0	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5.0	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	108-88-3	Toluene	2.3	J	J	5.0	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5.0	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5.0	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5.0	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5.0	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5.0	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	108-90-7	Chlorobenzene	5.0	U	U	5.0	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	100-41-4	Ethylbenzene	5.0	U	U	5.0	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	95-47-6	o-Xylene	5.0	U	U	5.0	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5.0	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	100-42-5	Styrene	5.0	U	U	5.0	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	75-25-2	Bromoform	5.0	U	U	5.0	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5.0	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	96-18-4	1,2,3-Trichloropropane	5.0	U	U	5.0	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5.0	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5.0	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5.0	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5.0	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5.0	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	5.0	U	U	5.0	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	5.0	U	U	5.0	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5.0	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5.0	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	E966796	Total Alkanes		N	N		ug/L	6100-SW13
BG533	Surface Water	04/14/2021	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5.0	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	74-87-3	Chloromethane	5.0	U	U	5.0	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	75-01-4	Vinyl chloride	5.0	U	U	5.0	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	74-83-9	Bromomethane	5.0	U	U	5.0	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	75-00-3	Chloroethane	5.0	U	U	5.0	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5.0	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5.0	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5.0	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	67-64-1	Acetone	10	J	U	10	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	75-15-0	Carbon disulfide	5.0	U	U	5.0	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	79-20-9	Methyl Acetate	5.0	U	U	5.0	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	75-09-2	Methylene chloride	5.0	U	U	5.0	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5.0	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5.0	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5.0	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5.0	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	78-93-3	2-Butanone	10	U	U	10	ug/L	6100-SW14

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG533	Surface Water	04/14/2021	1.0	74-97-5	Bromochloromethane	5.0	U	U	5.0	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	67-66-3	Chloroform	5.0	JB	U	5.0	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5.0	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	110-82-7	Cyclohexane	5.0	U	U	5.0	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5.0	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	71-43-2	Benzene	5.0	U	U	5.0	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5.0	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	79-01-6	Trichloroethene	5.0	U	U	5.0	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5.0	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5.0	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5.0	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5.0	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	108-88-3	Toluene	1.8	J	J	5.0	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5.0	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5.0	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5.0	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5.0	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5.0	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	108-90-7	Chlorobenzene	5.0	U	U	5.0	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	100-41-4	Ethylbenzene	5.0	U	U	5.0	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	95-47-6	o-Xylene	5.0	U	U	5.0	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5.0	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	100-42-5	Styrene	5.0	U	U	5.0	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	75-25-2	Bromoform	5.0	U	U	5.0	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5.0	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	96-18-4	1,2,3-Trichloropropane	5.0	U	U	5.0	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5.0	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5.0	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5.0	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5.0	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5.0	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	5.0	U	U	5.0	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	5.0	U	U	5.0	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5.0	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5.0	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	unknown-01	unknown-01	18	JB	JB		ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	E966796	Total Alkanes		N	N		ug/L	6100-SW14
BG534	Surface Water	04/15/2021	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	74-87-3	Chloromethane	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	75-01-4	Vinyl chloride	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	74-83-9	Bromomethane	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	75-00-3	Chloroethane	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	67-64-1	Acetone	10	J	U	10	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	75-15-0	Carbon disulfide	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	79-20-9	Methyl Acetate	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	75-09-2	Methylene chloride	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	78-93-3	2-Butanone	10	U	U	10	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	74-97-5	Bromochloromethane	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	67-66-3	Chloroform	5.0	JB	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	110-82-7	Cyclohexane	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	71-43-2	Benzene	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	79-01-6	Trichloroethene	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	108-88-3	Toluene	4.2	J	J	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5.0	ug/L	6100-SW20

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG534	Surface Water	04/15/2021	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	108-90-7	Chlorobenzene	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	100-41-4	Ethylbenzene	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	95-47-6	o-Xylene	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	100-42-5	Styrene	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	75-25-2	Bromoform	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	96-18-4	1,2,3-Trichloropropane	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	E966796	Total Alkanes		N	N		ug/L	6100-SW20
BG536	Surface Water	04/13/2021	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	74-87-3	Chloromethane	5.0	U	U	5.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	75-01-4	Vinyl chloride	5.0	U	U	5.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	74-83-9	Bromomethane	5.0	U	U	5.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	75-00-3	Chloroethane	5.0	U	U	5.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	67-64-1	Acetone	10	J	U	10	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	75-15-0	Carbon disulfide	5.0	U	U	5.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	79-20-9	Methyl Acetate	5.0	U	U	5.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	75-09-2	Methylene chloride	5.0	U	U	5.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	78-93-3	2-Butanone	10	U	U	10	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	74-97-5	Bromochloromethane	5.0	U	U	5.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	67-66-3	Chloroform	5.0	JB	U	5.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	110-82-7	Cyclohexane	5.0	U	U	5.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	71-43-2	Benzene	5.0	U	U	5.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	79-01-6	Trichloroethene	5.0	U	U	5.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	108-88-3	Toluene	5.0	U	U	5.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	108-90-7	Chlorobenzene	5.0	U	U	5.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	100-41-4	Ethylbenzene	5.0	U	U	5.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	95-47-6	o-Xylene	5.0	U	U	5.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	100-42-5	Styrene	5.0	U	U	5.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	75-25-2	Bromoform	5.0	U	U	5.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	96-18-4	1,2,3-Trichloropropane	5.0	U	U	5.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5.0	ug/L	6100-SW22

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG536	Surface Water	04/13/2021	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	5.0	U	U	5.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	5.0	U	U	5.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	E966796	Total Alkanes		N	N		ug/L	6100-SW22
BG537	Surface Water	04/13/2021	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	74-87-3	Chloromethane	5.0	U	U	5.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	75-01-4	Vinyl chloride	5.0	U	U	5.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	74-83-9	Bromomethane	5.0	U	U	5.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	75-00-3	Chloroethane	5.0	U	U	5.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	67-64-1	Acetone	10	J	U	10	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	75-15-0	Carbon disulfide	5.0	U	U	5.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	79-20-9	Methyl Acetate	5.0	U	U	5.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	75-09-2	Methylene chloride	5.0	U	U	5.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	78-93-3	2-Butanone	10	U	U	10	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	74-97-5	Bromochloromethane	5.0	U	U	5.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	67-66-3	Chloroform	5.0	JB	U	5.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	110-82-7	Cyclohexane	5.0	U	U	5.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	71-43-2	Benzene	5.0	U	U	5.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	79-01-6	Trichloroethene	5.0	U	U	5.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	108-88-3	Toluene	5.0	U	U	5.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	108-90-7	Chlorobenzene	5.0	U	U	5.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	100-41-4	Ethylbenzene	5.0	U	U	5.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	95-47-6	o-Xylene	5.0	U	U	5.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	100-42-5	Styrene	5.0	U	U	5.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	75-25-2	Bromoform	5.0	U	U	5.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	96-18-4	1,2,3-Trichloropropane	5.0	U	U	5.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	5.0	U	U	5.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	5.0	U	U	5.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	E966796	Total Alkanes		N	N		ug/L	6100-SW23
BG538	Surface Water	04/13/2021	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5.0	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	74-87-3	Chloromethane	5.0	U	U	5.0	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	75-01-4	Vinyl chloride	5.0	U	U	5.0	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	74-83-9	Bromomethane	5.0	U	U	5.0	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	75-00-3	Chloroethane	5.0	U	U	5.0	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5.0	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5.0	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5.0	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	67-64-1	Acetone	10	J	U	10	ug/L	6100-SW24

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG538	Surface Water	04/13/2021	1.0	75-15-0	Carbon disulfide	5.0	U	U	5.0	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	79-20-9	Methyl Acetate	5.0	U	U	5.0	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	75-09-2	Methylene chloride	5.0	U	U	5.0	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5.0	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5.0	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5.0	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5.0	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	78-93-3	2-Butanone	10	U	U	10	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	74-97-5	Bromochloromethane	5.0	U	U	5.0	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	67-66-3	Chloroform	5.0	JB	U	5.0	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5.0	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	110-82-7	Cyclohexane	5.0	U	U	5.0	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5.0	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	71-43-2	Benzene	5.0	U	U	5.0	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5.0	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	79-01-6	Trichloroethene	5.0	U	U	5.0	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5.0	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5.0	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5.0	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5.0	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	108-88-3	Toluene	5.0	U	U	5.0	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5.0	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5.0	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5.0	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5.0	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5.0	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	108-90-7	Chlorobenzene	5.0	U	U	5.0	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	100-41-4	Ethylbenzene	5.0	U	U	5.0	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	95-47-6	o-Xylene	5.0	U	U	5.0	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5.0	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	100-42-5	Styrene	5.0	U	U	5.0	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	75-25-2	Bromoform	5.0	U	U	5.0	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5.0	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	96-18-4	1,2,3-Trichloropropane	5.0	U	U	5.0	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5.0	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5.0	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5.0	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5.0	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5.0	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	5.0	U	U	5.0	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	5.0	U	U	5.0	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5.0	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5.0	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	E966796	Total Alkanes		N	N		ug/L	6100-SW24
BG539	Surface Water	04/13/2021	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5.0	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	74-87-3	Chloromethane	5.0	U	U	5.0	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	75-01-4	Vinyl chloride	5.0	U	U	5.0	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	74-83-9	Bromomethane	5.0	U	U	5.0	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	75-00-3	Chloroethane	5.0	U	U	5.0	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5.0	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5.0	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5.0	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	67-64-1	Acetone	10	J	U	10	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	75-15-0	Carbon disulfide	5.0	U	U	5.0	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	79-20-9	Methyl Acetate	5.0	U	U	5.0	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	75-09-2	Methylene chloride	5.0	U	U	5.0	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5.0	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5.0	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5.0	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5.0	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	78-93-3	2-Butanone	10	U	U	10	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	74-97-5	Bromochloromethane	5.0	U	U	5.0	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	67-66-3	Chloroform	5.0	JB	U	5.0	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5.0	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	110-82-7	Cyclohexane	5.0	U	U	5.0	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5.0	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	71-43-2	Benzene	5.0	U	U	5.0	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5.0	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	79-01-6	Trichloroethene	5.0	U	U	5.0	ug/L	6100-SW25

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG539	Surface Water	04/13/2021	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5.0	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5.0	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5.0	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5.0	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	108-88-3	Toluene	5.0	U	U	5.0	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5.0	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5.0	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5.0	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5.0	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5.0	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	108-90-7	Chlorobenzene	5.0	U	U	5.0	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	100-41-4	Ethylbenzene	5.0	U	U	5.0	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	95-47-6	o-Xylene	5.0	U	U	5.0	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5.0	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	100-42-5	Styrene	5.0	U	U	5.0	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	75-25-2	Bromoform	5.0	U	U	5.0	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5.0	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	96-18-4	1,2,3-Trichloropropane	5.0	U	U	5.0	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5.0	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5.0	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5.0	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5.0	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5.0	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	5.0	U	U	5.0	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	5.0	U	U	5.0	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5.0	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5.0	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	E966796	Total Alkanes		N	N		ug/L	6100-SW25
BG548	Surface Water	04/14/2021	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5.0	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	74-87-3	Chloromethane	5.0	U	U	5.0	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	75-01-4	Vinyl chloride	5.0	U	U	5.0	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	74-83-9	Bromomethane	5.0	U	U	5.0	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	75-00-3	Chloroethane	5.0	U	U	5.0	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5.0	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5.0	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5.0	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	67-64-1	Acetone	10	J	U	10	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	75-15-0	Carbon disulfide	5.0	U	U	5.0	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	79-20-9	Methyl Acetate	5.0	U	U	5.0	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	75-09-2	Methylene chloride	5.0	U	U	5.0	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5.0	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5.0	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5.0	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5.0	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	78-93-3	2-Butanone	10	U	U	10	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	74-97-5	Bromochloromethane	5.0	U	U	5.0	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	67-66-3	Chloroform	5.0	JB	U	5.0	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5.0	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	110-82-7	Cyclohexane	5.0	U	U	5.0	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5.0	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	71-43-2	Benzene	5.0	U	U	5.0	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5.0	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	79-01-6	Trichloroethene	5.0	U	U	5.0	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5.0	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5.0	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5.0	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5.0	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	108-88-3	Toluene	1.8	J	J	5.0	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5.0	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5.0	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5.0	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5.0	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5.0	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	108-90-7	Chlorobenzene	5.0	U	U	5.0	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	100-41-4	Ethylbenzene	5.0	U	U	5.0	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	95-47-6	o-Xylene	5.0	U	U	5.0	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5.0	ug/L	6100-SW26

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG548	Surface Water	04/14/2021	1.0	100-42-5	Styrene	5.0	U	U	5.0	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	75-25-2	Bromoform	5.0	U	U	5.0	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5.0	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	96-18-4	1,2,3-Trichloropropane	5.0	U	U	5.0	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5.0	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5.0	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5.0	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5.0	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5.0	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	5.0	U	U	5.0	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	5.0	U	U	5.0	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5.0	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5.0	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	E966796	Total Alkanes		N	N		ug/L	6100-SW26
VBLK163		04/14/2021	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5.0	ug/L	
VBLK163		04/14/2021	1.0	74-87-3	Chloromethane	5.0	U	U	5.0	ug/L	
VBLK163		04/14/2021	1.0	75-01-4	Vinyl chloride	5.0	U	U	5.0	ug/L	
VBLK163		04/14/2021	1.0	74-83-9	Bromomethane	5.0	U	U	5.0	ug/L	
VBLK163		04/14/2021	1.0	75-00-3	Chloroethane	5.0	U	U	5.0	ug/L	
VBLK163		04/14/2021	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5.0	ug/L	
VBLK163		04/14/2021	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5.0	ug/L	
VBLK163		04/14/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5.0	ug/L	
VBLK163		04/14/2021	1.0	67-64-1	Acetone	10	U	U	10	ug/L	
VBLK163		04/14/2021	1.0	75-15-0	Carbon disulfide	5.0	U	U	5.0	ug/L	
VBLK163		04/14/2021	1.0	79-20-9	Methyl Acetate	5.0	U	U	5.0	ug/L	
VBLK163		04/14/2021	1.0	75-09-2	Methylene chloride	5.0	U	U	5.0	ug/L	
VBLK163		04/14/2021	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5.0	ug/L	
VBLK163		04/14/2021	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5.0	ug/L	
VBLK163		04/14/2021	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5.0	ug/L	
VBLK163		04/14/2021	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5.0	ug/L	
VBLK163		04/14/2021	1.0	78-93-3	2-Butanone	10	U	U	10	ug/L	
VBLK163		04/14/2021	1.0	74-97-5	Bromochloromethane	5.0	U	U	5.0	ug/L	
VBLK163		04/14/2021	1.0	67-66-3	Chloroform	2.3	J	J	5.0	ug/L	
VBLK163		04/14/2021	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5.0	ug/L	
VBLK163		04/14/2021	1.0	110-82-7	Cyclohexane	5.0	U	U	5.0	ug/L	
VBLK163		04/14/2021	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5.0	ug/L	
VBLK163		04/14/2021	1.0	71-43-2	Benzene	5.0	U	U	5.0	ug/L	
VBLK163		04/14/2021	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5.0	ug/L	
VBLK163		04/14/2021	1.0	79-01-6	Trichloroethene	5.0	U	U	5.0	ug/L	
VBLK163		04/14/2021	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5.0	ug/L	
VBLK163		04/14/2021	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5.0	ug/L	
VBLK163		04/14/2021	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5.0	ug/L	
VBLK163		04/14/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5.0	ug/L	
VBLK163		04/14/2021	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/L	
VBLK163		04/14/2021	1.0	108-88-3	Toluene	5.0	U	U	5.0	ug/L	
VBLK163		04/14/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5.0	ug/L	
VBLK163		04/14/2021	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5.0	ug/L	
VBLK163		04/14/2021	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5.0	ug/L	
VBLK163		04/14/2021	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/L	
VBLK163		04/14/2021	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5.0	ug/L	
VBLK163		04/14/2021	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5.0	ug/L	
VBLK163		04/14/2021	1.0	108-90-7	Chlorobenzene	5.0	U	U	5.0	ug/L	
VBLK163		04/14/2021	1.0	100-41-4	Ethylbenzene	5.0	U	U	5.0	ug/L	
VBLK163		04/14/2021	1.0	95-47-6	o-Xylene	5.0	U	U	5.0	ug/L	
VBLK163		04/14/2021	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5.0	ug/L	
VBLK163		04/14/2021	1.0	100-42-5	Styrene	5.0	U	U	5.0	ug/L	
VBLK163		04/14/2021	1.0	75-25-2	Bromoform	5.0	U	U	5.0	ug/L	
VBLK163		04/14/2021	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5.0	ug/L	
VBLK163		04/14/2021	1.0	96-18-4	1,2,3-Trichloropropane	5.0	U	U	5.0	ug/L	
VBLK163		04/14/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5.0	ug/L	
VBLK163		04/14/2021	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5.0	ug/L	
VBLK163		04/14/2021	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5.0	ug/L	
VBLK163		04/14/2021	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5.0	ug/L	
VBLK163		04/14/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5.0	ug/L	
VBLK163		04/14/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	5.0	U	U	5.0	ug/L	
VBLK163		04/14/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	5.0	U	U	5.0	ug/L	
VBLK163		04/14/2021	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5.0	ug/L	
VBLK163		04/14/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5.0	ug/L	
VBLK163		04/14/2021	1.0	E966796	Total Alkanes		N	N		ug/L	
VBLK164		04/15/2021	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5.0	ug/L	
VBLK164		04/15/2021	1.0	74-87-3	Chloromethane	5.0	U	U	5.0	ug/L	

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
VBLK164		04/15/2021	1.0	75-01-4	Vinyl chloride	5.0	U	U	5.0	ug/L	
VBLK164		04/15/2021	1.0	74-83-9	Bromomethane	5.0	U	U	5.0	ug/L	
VBLK164		04/15/2021	1.0	75-00-3	Chloroethane	5.0	U	U	5.0	ug/L	
VBLK164		04/15/2021	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5.0	ug/L	
VBLK164		04/15/2021	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5.0	ug/L	
VBLK164		04/15/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5.0	ug/L	
VBLK164		04/15/2021	1.0	67-64-1	Acetone	10	U	U	10	ug/L	
VBLK164		04/15/2021	1.0	75-15-0	Carbon disulfide	5.0	U	U	5.0	ug/L	
VBLK164		04/15/2021	1.0	79-20-9	Methyl Acetate	5.0	U	U	5.0	ug/L	
VBLK164		04/15/2021	1.0	75-09-2	Methylene chloride	5.0	U	U	5.0	ug/L	
VBLK164		04/15/2021	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5.0	ug/L	
VBLK164		04/15/2021	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5.0	ug/L	
VBLK164		04/15/2021	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5.0	ug/L	
VBLK164		04/15/2021	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5.0	ug/L	
VBLK164		04/15/2021	1.0	78-93-3	2-Butanone	10	U	U	10	ug/L	
VBLK164		04/15/2021	1.0	74-97-5	Bromochloromethane	5.0	U	U	5.0	ug/L	
VBLK164		04/15/2021	1.0	67-66-3	Chloroform	1.4	J	J	5.0	ug/L	
VBLK164		04/15/2021	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5.0	ug/L	
VBLK164		04/15/2021	1.0	110-82-7	Cyclohexane	5.0	U	U	5.0	ug/L	
VBLK164		04/15/2021	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5.0	ug/L	
VBLK164		04/15/2021	1.0	71-43-2	Benzene	5.0	U	U	5.0	ug/L	
VBLK164		04/15/2021	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5.0	ug/L	
VBLK164		04/15/2021	1.0	79-01-6	Trichloroethene	5.0	U	U	5.0	ug/L	
VBLK164		04/15/2021	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5.0	ug/L	
VBLK164		04/15/2021	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5.0	ug/L	
VBLK164		04/15/2021	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5.0	ug/L	
VBLK164		04/15/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5.0	ug/L	
VBLK164		04/15/2021	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/L	
VBLK164		04/15/2021	1.0	108-88-3	Toluene	5.0	U	U	5.0	ug/L	
VBLK164		04/15/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5.0	ug/L	
VBLK164		04/15/2021	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5.0	ug/L	
VBLK164		04/15/2021	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5.0	ug/L	
VBLK164		04/15/2021	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/L	
VBLK164		04/15/2021	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5.0	ug/L	
VBLK164		04/15/2021	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5.0	ug/L	
VBLK164		04/15/2021	1.0	108-90-7	Chlorobenzene	5.0	U	U	5.0	ug/L	
VBLK164		04/15/2021	1.0	100-41-4	Ethylbenzene	5.0	U	U	5.0	ug/L	
VBLK164		04/15/2021	1.0	95-47-6	o-Xylene	5.0	U	U	5.0	ug/L	
VBLK164		04/15/2021	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5.0	ug/L	
VBLK164		04/15/2021	1.0	100-42-5	Styrene	5.0	U	U	5.0	ug/L	
VBLK164		04/15/2021	1.0	75-25-2	Bromoform	5.0	U	U	5.0	ug/L	
VBLK164		04/15/2021	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5.0	ug/L	
VBLK164		04/15/2021	1.0	96-18-4	1,2,3-Trichloropropane	5.0	U	U	5.0	ug/L	
VBLK164		04/15/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5.0	ug/L	
VBLK164		04/15/2021	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5.0	ug/L	
VBLK164		04/15/2021	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5.0	ug/L	
VBLK164		04/15/2021	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5.0	ug/L	
VBLK164		04/15/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5.0	ug/L	
VBLK164		04/15/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	5.0	U	U	5.0	ug/L	
VBLK164		04/15/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	5.0	U	U	5.0	ug/L	
VBLK164		04/15/2021	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5.0	ug/L	
VBLK164		04/15/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5.0	ug/L	
VBLK164		04/15/2021	1.0	unknown-01	unknown-01	18	J	J		ug/L	
VBLK164		04/15/2021	1.0	E966796	Total Alkanes		N	N		ug/L	
VBLK165		04/16/2021	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5.0	ug/L	
VBLK165		04/16/2021	1.0	74-87-3	Chloromethane	5.0	U	U	5.0	ug/L	
VBLK165		04/16/2021	1.0	75-01-4	Vinyl chloride	5.0	U	U	5.0	ug/L	
VBLK165		04/16/2021	1.0	74-83-9	Bromomethane	5.0	U	U	5.0	ug/L	
VBLK165		04/16/2021	1.0	75-00-3	Chloroethane	5.0	U	U	5.0	ug/L	
VBLK165		04/16/2021	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5.0	ug/L	
VBLK165		04/16/2021	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5.0	ug/L	
VBLK165		04/16/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5.0	ug/L	
VBLK165		04/16/2021	1.0	67-64-1	Acetone	10	U	U	10	ug/L	
VBLK165		04/16/2021	1.0	75-15-0	Carbon disulfide	5.0	U	U	5.0	ug/L	
VBLK165		04/16/2021	1.0	79-20-9	Methyl Acetate	5.0	U	U	5.0	ug/L	
VBLK165		04/16/2021	1.0	75-09-2	Methylene chloride	5.0	U	U	5.0	ug/L	
VBLK165		04/16/2021	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5.0	ug/L	
VBLK165		04/16/2021	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5.0	ug/L	
VBLK165		04/16/2021	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5.0	ug/L	
VBLK165		04/16/2021	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5.0	ug/L	
VBLK165		04/16/2021	1.0	78-93-3	2-Butanone	10	U	U	10	ug/L	

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
VBLK165		04/16/2021	1.0	74-97-5	Bromochloromethane	5.0	U	U	5.0	ug/L	
VBLK165		04/16/2021	1.0	67-66-3	Chloroform	1.1	J	J	5.0	ug/L	
VBLK165		04/16/2021	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5.0	ug/L	
VBLK165		04/16/2021	1.0	110-82-7	Cyclohexane	5.0	U	U	5.0	ug/L	
VBLK165		04/16/2021	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5.0	ug/L	
VBLK165		04/16/2021	1.0	71-43-2	Benzene	5.0	U	U	5.0	ug/L	
VBLK165		04/16/2021	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5.0	ug/L	
VBLK165		04/16/2021	1.0	79-01-6	Trichloroethene	5.0	U	U	5.0	ug/L	
VBLK165		04/16/2021	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5.0	ug/L	
VBLK165		04/16/2021	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5.0	ug/L	
VBLK165		04/16/2021	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5.0	ug/L	
VBLK165		04/16/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5.0	ug/L	
VBLK165		04/16/2021	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/L	
VBLK165		04/16/2021	1.0	108-88-3	Toluene	5.0	U	U	5.0	ug/L	
VBLK165		04/16/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5.0	ug/L	
VBLK165		04/16/2021	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5.0	ug/L	
VBLK165		04/16/2021	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5.0	ug/L	
VBLK165		04/16/2021	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/L	
VBLK165		04/16/2021	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5.0	ug/L	
VBLK165		04/16/2021	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5.0	ug/L	
VBLK165		04/16/2021	1.0	108-90-7	Chlorobenzene	5.0	U	U	5.0	ug/L	
VBLK165		04/16/2021	1.0	100-41-4	Ethylbenzene	5.0	U	U	5.0	ug/L	
VBLK165		04/16/2021	1.0	95-47-6	o-Xylene	5.0	U	U	5.0	ug/L	
VBLK165		04/16/2021	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5.0	ug/L	
VBLK165		04/16/2021	1.0	100-42-5	Styrene	5.0	U	U	5.0	ug/L	
VBLK165		04/16/2021	1.0	75-25-2	Bromoform	5.0	U	U	5.0	ug/L	
VBLK165		04/16/2021	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5.0	ug/L	
VBLK165		04/16/2021	1.0	96-18-4	1,2,3-Trichloropropane	5.0	U	U	5.0	ug/L	
VBLK165		04/16/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5.0	ug/L	
VBLK165		04/16/2021	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5.0	ug/L	
VBLK165		04/16/2021	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5.0	ug/L	
VBLK165		04/16/2021	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5.0	ug/L	
VBLK165		04/16/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5.0	ug/L	
VBLK165		04/16/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	5.0	U	U	5.0	ug/L	
VBLK165		04/16/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	5.0	U	U	5.0	ug/L	
VBLK165		04/16/2021	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5.0	ug/L	
VBLK165		04/16/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	0.50	J	J	5.0	ug/L	
VBLK165		04/16/2021	1.0	E966796	Total Alkanes		N	N		ug/L	
VBLK166		04/19/2021	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5.0	ug/L	
VBLK166		04/19/2021	1.0	74-87-3	Chloromethane	5.0	U	U	5.0	ug/L	
VBLK166		04/19/2021	1.0	75-01-4	Vinyl chloride	5.0	U	U	5.0	ug/L	
VBLK166		04/19/2021	1.0	74-83-9	Bromomethane	5.0	U	U	5.0	ug/L	
VBLK166		04/19/2021	1.0	75-00-3	Chloroethane	5.0	U	U	5.0	ug/L	
VBLK166		04/19/2021	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5.0	ug/L	
VBLK166		04/19/2021	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5.0	ug/L	
VBLK166		04/19/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5.0	ug/L	
VBLK166		04/19/2021	1.0	67-64-1	Acetone	10	U	U	10	ug/L	
VBLK166		04/19/2021	1.0	75-15-0	Carbon disulfide	5.0	U	U	5.0	ug/L	
VBLK166		04/19/2021	1.0	79-20-9	Methyl Acetate	5.0	U	U	5.0	ug/L	
VBLK166		04/19/2021	1.0	75-09-2	Methylene chloride	5.0	U	U	5.0	ug/L	
VBLK166		04/19/2021	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5.0	ug/L	
VBLK166		04/19/2021	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5.0	ug/L	
VBLK166		04/19/2021	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5.0	ug/L	
VBLK166		04/19/2021	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5.0	ug/L	
VBLK166		04/19/2021	1.0	78-93-3	2-Butanone	10	U	U	10	ug/L	
VBLK166		04/19/2021	1.0	74-97-5	Bromochloromethane	5.0	U	U	5.0	ug/L	
VBLK166		04/19/2021	1.0	67-66-3	Chloroform	5.0	U	U	5.0	ug/L	
VBLK166		04/19/2021	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5.0	ug/L	
VBLK166		04/19/2021	1.0	110-82-7	Cyclohexane	5.0	U	U	5.0	ug/L	
VBLK166		04/19/2021	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5.0	ug/L	
VBLK166		04/19/2021	1.0	71-43-2	Benzene	5.0	U	U	5.0	ug/L	
VBLK166		04/19/2021	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5.0	ug/L	
VBLK166		04/19/2021	1.0	79-01-6	Trichloroethene	5.0	U	U	5.0	ug/L	
VBLK166		04/19/2021	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5.0	ug/L	
VBLK166		04/19/2021	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5.0	ug/L	
VBLK166		04/19/2021	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5.0	ug/L	
VBLK166		04/19/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5.0	ug/L	
VBLK166		04/19/2021	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/L	
VBLK166		04/19/2021	1.0	108-88-3	Toluene	5.0	U	U	5.0	ug/L	
VBLK166		04/19/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5.0	ug/L	
VBLK166		04/19/2021	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5.0	ug/L	

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
VBLK166		04/19/2021	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5.0	ug/L	
VBLK166		04/19/2021	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/L	
VBLK166		04/19/2021	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5.0	ug/L	
VBLK166		04/19/2021	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5.0	ug/L	
VBLK166		04/19/2021	1.0	108-90-7	Chlorobenzene	5.0	U	U	5.0	ug/L	
VBLK166		04/19/2021	1.0	100-41-4	Ethylbenzene	5.0	U	U	5.0	ug/L	
VBLK166		04/19/2021	1.0	95-47-6	o-Xylene	5.0	U	U	5.0	ug/L	
VBLK166		04/19/2021	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5.0	ug/L	
VBLK166		04/19/2021	1.0	100-42-5	Styrene	5.0	U	U	5.0	ug/L	
VBLK166		04/19/2021	1.0	75-25-2	Bromoform	5.0	U	U	5.0	ug/L	
VBLK166		04/19/2021	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5.0	ug/L	
VBLK166		04/19/2021	1.0	96-18-4	1,2,3-Trichloropropane	5.0	U	U	5.0	ug/L	
VBLK166		04/19/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5.0	ug/L	
VBLK166		04/19/2021	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5.0	ug/L	
VBLK166		04/19/2021	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5.0	ug/L	
VBLK166		04/19/2021	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5.0	ug/L	
VBLK166		04/19/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5.0	ug/L	
VBLK166		04/19/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	5.0	U	U	5.0	ug/L	
VBLK166		04/19/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	5.0	U	U	5.0	ug/L	
VBLK166		04/19/2021	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5.0	ug/L	
VBLK166		04/19/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5.0	ug/L	
VBLK166		04/19/2021	1.0	E966796	Total Alkanes		N	N		ug/L	
VHBLK001		04/19/2021	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5.0	ug/L	
VHBLK001		04/19/2021	1.0	74-87-3	Chloromethane	5.0	U	U	5.0	ug/L	
VHBLK001		04/19/2021	1.0	75-01-4	Vinyl chloride	5.0	U	U	5.0	ug/L	
VHBLK001		04/19/2021	1.0	74-83-9	Bromomethane	5.0	U	U	5.0	ug/L	
VHBLK001		04/19/2021	1.0	75-00-3	Chloroethane	5.0	U	U	5.0	ug/L	
VHBLK001		04/19/2021	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5.0	ug/L	
VHBLK001		04/19/2021	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5.0	ug/L	
VHBLK001		04/19/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5.0	ug/L	
VHBLK001		04/19/2021	1.0	67-64-1	Acetone	10	U	U	10	ug/L	
VHBLK001		04/19/2021	1.0	75-15-0	Carbon disulfide	5.0	U	U	5.0	ug/L	
VHBLK001		04/19/2021	1.0	79-20-9	Methyl Acetate	5.0	U	U	5.0	ug/L	
VHBLK001		04/19/2021	1.0	75-09-2	Methylene chloride	5.0	U	U	5.0	ug/L	
VHBLK001		04/19/2021	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5.0	ug/L	
VHBLK001		04/19/2021	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5.0	ug/L	
VHBLK001		04/19/2021	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5.0	ug/L	
VHBLK001		04/19/2021	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5.0	ug/L	
VHBLK001		04/19/2021	1.0	78-93-3	2-Butanone	10	U	U	10	ug/L	
VHBLK001		04/19/2021	1.0	74-97-5	Bromochloromethane	5.0	U	U	5.0	ug/L	
VHBLK001		04/19/2021	1.0	67-66-3	Chloroform	5.0	U	U	5.0	ug/L	
VHBLK001		04/19/2021	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5.0	ug/L	
VHBLK001		04/19/2021	1.0	110-82-7	Cyclohexane	5.0	U	U	5.0	ug/L	
VHBLK001		04/19/2021	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5.0	ug/L	
VHBLK001		04/19/2021	1.0	71-43-2	Benzene	5.0	U	U	5.0	ug/L	
VHBLK001		04/19/2021	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5.0	ug/L	
VHBLK001		04/19/2021	1.0	79-01-6	Trichloroethene	5.0	U	U	5.0	ug/L	
VHBLK001		04/19/2021	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5.0	ug/L	
VHBLK001		04/19/2021	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5.0	ug/L	
VHBLK001		04/19/2021	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5.0	ug/L	
VHBLK001		04/19/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5.0	ug/L	
VHBLK001		04/19/2021	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/L	
VHBLK001		04/19/2021	1.0	108-88-3	Toluene	5.0	U	U	5.0	ug/L	
VHBLK001		04/19/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5.0	ug/L	
VHBLK001		04/19/2021	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5.0	ug/L	
VHBLK001		04/19/2021	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5.0	ug/L	
VHBLK001		04/19/2021	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/L	
VHBLK001		04/19/2021	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5.0	ug/L	
VHBLK001		04/19/2021	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5.0	ug/L	
VHBLK001		04/19/2021	1.0	108-90-7	Chlorobenzene	5.0	U	U	5.0	ug/L	
VHBLK001		04/19/2021	1.0	100-41-4	Ethylbenzene	5.0	U	U	5.0	ug/L	
VHBLK001		04/19/2021	1.0	95-47-6	o-Xylene	5.0	U	U	5.0	ug/L	
VHBLK001		04/19/2021	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5.0	ug/L	
VHBLK001		04/19/2021	1.0	100-42-5	Styrene	5.0	U	U	5.0	ug/L	
VHBLK001		04/19/2021	1.0	75-25-2	Bromoform	5.0	U	U	5.0	ug/L	
VHBLK001		04/19/2021	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5.0	ug/L	
VHBLK001		04/19/2021	1.0	96-18-4	1,2,3-Trichloropropane	5.0	U	U	5.0	ug/L	
VHBLK001		04/19/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5.0	ug/L	
VHBLK001		04/19/2021	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5.0	ug/L	
VHBLK001		04/19/2021	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5.0	ug/L	
VHBLK001		04/19/2021	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5.0	ug/L	

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
VHBLK001		04/19/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5.0	ug/L	
VHBLK001		04/19/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	5.0	U	U	5.0	ug/L	
VHBLK001		04/19/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	5.0	U	U	5.0	ug/L	
VHBLK001		04/19/2021	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5.0	ug/L	
VHBLK001		04/19/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5.0	ug/L	
VHBLK001		04/19/2021	1.0	E966796	Total Alkanes		N	N		ug/L	
BG545	DI Water	04/15/2021	1.0	123-91-1	1,4-Dioxane	2.0	U	U	2.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	100-52-7	Benzaldehyde	10	U	U	10	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	108-95-2	Phenol	10	U	U	10	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	10	U	U	10	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	95-57-8	2-Chlorophenol	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	95-48-7	2-Methylphenol	10	U	U	10	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	10	U	U	10	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	98-86-2	Acetophenone	10	U	U	10	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	106-44-5	4-Methylphenol	10	U	U	10	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	67-72-1	Hexachloroethane	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	98-95-3	Nitrobenzene	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	78-59-1	Isophorone	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	88-75-5	2-Nitrophenol	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	105-67-9	2,4-Dimethylphenol	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	120-83-2	2,4-Dichlorophenol	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	91-20-3	Naphthalene	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	106-47-8	4-Chloroaniline	10	U	U	10	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	87-68-3	Hexachlorobutadiene	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	105-60-2	Caprolactam	10	U	U	10	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	59-50-7	4-Chloro-3-methylphenol	1.8	J	J	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	90-12-0	1-Methylnaphthalene	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	91-57-6	2-Methylnaphthalene	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	77-47-4	Hexachlorocyclopentadiene	10	U	U	10	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	88-06-2	2,4,6-Trichlorophenol	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	95-95-4	2,4,5-Trichlorophenol	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	92-52-4	1,1-Biphenyl	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	91-58-7	2-Chloronaphthalene	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	88-74-4	2-Nitroaniline	5.0	U	UJ	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	131-11-3	Dimethylphthalate	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	606-20-2	2,6-Dinitrotoluene	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	208-96-8	Acenaphthylene	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	99-09-2	3-Nitroaniline	10	U	UJ	10	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	83-32-9	Acenaphthene	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	51-28-5	2,4-Dinitrophenol	10	U	UJ	10	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	100-02-7	4-Nitrophenol	10	U	UJ	10	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	132-64-9	Dibenzofuran	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	121-14-2	2,4-Dinitrotoluene	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	84-66-2	Diethylphthalate	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	86-73-7	Fluorene	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	100-01-6	4-Nitroaniline	10	U	UJ	10	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	10	U	U	10	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	86-30-6	N-Nitrosodiphenylamine	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	101-55-3	4-Bromophenyl-phenylether	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	118-74-1	Hexachlorobenzene	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	1912-24-9	Atrazine	10	U	U	10	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	87-86-5	Pentachlorophenol	10	U	U	10	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	85-01-8	Phenanthrene	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	120-12-7	Anthracene	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	86-74-8	Carbazole	10	U	U	10	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	84-74-2	Di-n-butylphthalate	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	206-44-0	Fluoranthene	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	129-00-0	Pyrene	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	85-68-7	Butylbenzylphthalate	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	91-94-1	3,3-Dichlorobenzidine	10	U	U	10	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	56-55-3	Benzo(a)anthracene	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	218-01-9	Chrysene	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	117-84-0	Di-n-octyl phthalate	10	U	U	10	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	205-99-2	Benzo(b)fluoranthene	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	207-08-9	Benzo(k)fluoranthene	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	50-32-8	Benzo(a)pyrene	5.0	U	U	5.0	ug/L	6100-RIN01

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG545	DI Water	04/15/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	191-24-2	Benzo(g,h,i)perylene	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	5.0	U	U	5.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	055268-70-7	Hexadecanoic acid, 2,3-bis(acetylo	2.6	JN	JN		ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	055401-62-2	Octadecanoic acid, 2-(acetyloxy)-1	2.2	JN	JN		ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	055429-68-0	Eicosanoic acid, 2-(acetyloxy)-1-[	13	JN	JN		ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	074367-34-3	Propanoic acid, 2-methyl-, 3-hydro	3.7	JN	JN		ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	074381-40-1	Propanoic acid, 2-methyl-, 1-(1,1-	2.2	JN	JN		ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	082304-66-3	7,9-Di-tert-butyl-1-oxaspiro(4,5)d	2.7	JN	JN		ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	E966796	Total Alkanes		N	N		ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	014290-23-4	Myristin, 1,3-diaceto-2-	5.3	JN	JN		ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	001454-84-8	n-Nonadecanol-1	2.2	JN	JN		ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	000090-05-1	Phenol, 2-methoxy-	3.5	JN	JN		ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	unknown-03	unknown-03	39	J	J		ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	unknown-02	unknown-02	18	J	J		ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	unknown-04	unknown-04	5.9	J	J		ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	unknown-01	unknown-01	2.6	J	J		ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	unknown-05	unknown-05	5.8	J	J		ug/L	6100-RIN01
BG546	DI Water	04/15/2021	1.0	123-91-1	1,4-Dioxane	2.0	U	U	2.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	100-52-7	Benzaldehyde	10	U	U	10	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	108-95-2	Phenol	10	U	U	10	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	10	U	U	10	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	95-57-8	2-Chlorophenol	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	95-48-7	2-Methylphenol	10	U	U	10	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	10	U	U	10	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	98-86-2	Acetophenone	10	U	U	10	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	106-44-5	4-Methylphenol	10	U	U	10	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	67-72-1	Hexachloroethane	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	98-95-3	Nitrobenzene	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	78-59-1	Isophorone	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	88-75-5	2-Nitrophenol	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	105-67-9	2,4-Dimethylphenol	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	120-83-2	2,4-Dichlorophenol	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	91-20-3	Naphthalene	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	106-47-8	4-Chloroaniline	10	U	U	10	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	87-68-3	Hexachlorobutadiene	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	105-60-2	Caprolactam	10	U	U	10	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	59-50-7	4-Chloro-3-methylphenol	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	90-12-0	1-Methylnaphthalene	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	91-57-6	2-Methylnaphthalene	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	77-47-4	Hexachlorocyclopentadiene	10	U	U	10	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	88-06-2	2,4,6-Trichlorophenol	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	95-95-4	2,4,5-Trichlorophenol	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	92-52-4	1,1-Biphenyl	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	91-58-7	2-Chloronaphthalene	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	88-74-4	2-Nitroaniline	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	131-11-3	Dimethylphthalate	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	606-20-2	2,6-Dinitrotoluene	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	208-96-8	Acenaphthylene	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	99-09-2	3-Nitroaniline	10	U	U	10	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	83-32-9	Acenaphthene	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	51-28-5	2,4-Dinitrophenol	10	U	U	10	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	100-02-7	4-Nitrophenol	10	U	U	10	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	132-64-9	Dibenzofuran	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	121-14-2	2,4-Dinitrotoluene	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	84-66-2	Diethylphthalate	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	86-73-7	Fluorene	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	100-01-6	4-Nitroaniline	10	U	U	10	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	10	U	U	10	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	86-30-6	N-Nitrosodiphenylamine	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	101-55-3	4-Bromophenyl-phenylether	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	118-74-1	Hexachlorobenzene	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	1912-24-9	Atrazine	10	U	U	10	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	87-86-5	Pentachlorophenol	10	U	U	10	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	85-01-8	Phenanthrene	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	120-12-7	Anthracene	5.0	U	U	5.0	ug/L	6100-RIN02

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG546	DI Water	04/15/2021	1.0	86-74-8	Carbazole	10	U	U	10	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	84-74-2	Di-n-butylphthalate	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	206-44-0	Fluoranthene	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	129-00-0	Pyrene	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	85-68-7	Butylbenzylphthalate	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	91-94-1	3,3-Dichlorobenzidine	10	U	U	10	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	56-55-3	Benzo(a)anthracene	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	218-01-9	Chrysene	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	117-84-0	Di-n-octyl phthalate	10	U	U	10	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	205-99-2	Benzo(b)fluoranthene	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	207-08-9	Benzo(k)fluoranthene	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	50-32-8	Benzo(a)pyrene	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	191-24-2	Benzo(g,h,i)perylene	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	5.0	U	U	5.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	000090-05-1	Phenol, 2-methoxy-	4.7	JN	JN		ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	000104-76-7	1-Hexanol, 2-ethyl-	2.7	JN	JN		ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	000621-59-0	Benzaldehyde, 3-hydroxy-4-methoxy-	3.1	JN	JN		ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	074367-33-2	Propanoic acid, 2-methyl-, 2,2-dim	2.8	JN	JN		ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	074367-34-3	Propanoic acid, 2-methyl-, 3-hydro	5.9	JN	JN		ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	074381-40-1	Propanoic acid, 2-methyl-, 1-(1,1-	2.1	JN	JN		ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	082304-66-3	7,9-Di-tert-butyl-1-oxaspiro(4,5)d	3.1	JN	JN		ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	E966796	Total Alkanes		N	N		ug/L	6100-RIN02
BG528	Surface Water	04/13/2021	1.0	123-91-1	1,4-Dioxane	2.0	U	U	2.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	100-52-7	Benzaldehyde	10	U	U	10	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	108-95-2	Phenol	10	U	U	10	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	10	U	U	10	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	95-57-8	2-Chlorophenol	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	95-48-7	2-Methylphenol	10	U	U	10	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	10	U	U	10	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	98-86-2	Acetophenone	10	U	U	10	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	106-44-5	4-Methylphenol	10	U	U	10	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	67-72-1	Hexachloroethane	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	98-95-3	Nitrobenzene	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	78-59-1	Isophorone	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	88-75-5	2-Nitrophenol	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	105-67-9	2,4-Dimethylphenol	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	120-83-2	2,4-Dichlorophenol	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	91-20-3	Naphthalene	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	106-47-8	4-Chloroaniline	10	U	U	10	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	87-68-3	Hexachlorobutadiene	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	105-60-2	Caprolactam	10	U	U	10	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	59-50-7	4-Chloro-3-methylphenol	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	90-12-0	1-Methylnaphthalene	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	91-57-6	2-Methylnaphthalene	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	77-47-4	Hexachlorocyclopentadiene	10	U	U	10	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	88-06-2	2,4,6-Trichlorophenol	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	95-95-4	2,4,5-Trichlorophenol	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	92-52-4	1,1-Biphenyl	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	91-58-7	2-Chloronaphthalene	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	88-74-4	2-Nitroaniline	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	131-11-3	Dimethylphthalate	1.9	J	J	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	606-20-2	2,6-Dinitrotoluene	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	208-96-8	Acenaphthylene	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	99-09-2	3-Nitroaniline	10	U	U	10	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	83-32-9	Acenaphthene	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	51-28-5	2,4-Dinitrophenol	10	U	U	10	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	100-02-7	4-Nitrophenol	10	U	U	10	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	132-64-9	Dibenzofuran	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	121-14-2	2,4-Dinitrotoluene	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	84-66-2	Diethylphthalate	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	86-73-7	Fluorene	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	100-01-6	4-Nitroaniline	10	U	U	10	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	10	U	U	10	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	86-30-6	N-Nitrosodiphenylamine	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U	U	5.0	ug/L	6100-SW01

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG528	Surface Water	04/13/2021	1.0	101-55-3	4-Bromophenyl-phenylether	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	118-74-1	Hexachlorobenzene	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	1912-24-9	Atrazine	10	U	U	10	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	87-86-5	Pentachlorophenol	10	U	U	10	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	85-01-8	Phenanthrene	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	120-12-7	Anthracene	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	86-74-8	Carbazole	10	U	U	10	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	84-74-2	Di-n-butylphthalate	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	206-44-0	Fluoranthene	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	129-00-0	Pyrene	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	85-68-7	Butylbenzylphthalate	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	91-94-1	3,3-Dichlorobenzidine	10	U	U	10	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	56-55-3	Benzo(a)anthracene	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	218-01-9	Chrysene	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	117-84-0	Di-n-octyl phthalate	10	U	U	10	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	205-99-2	Benzo(b)fluoranthene	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	207-08-9	Benzo(k)fluoranthene	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	50-32-8	Benzo(a)pyrene	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	191-24-2	Benzo(g,h,i)perylene	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	5.0	U	U	5.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	000057-10-3	n-Hexadecanoic acid	3.0	JN	JN		ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	000126-86-3	2,4,7,9-Tetramethyl-5-decyn-4,7-di	12	JN	JN		ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	000142-16-5	Bis(2-ethylhexyl) maleate	2.7	JN	JN		ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	015594-90-8	1-Heneicosanol	2.4	JN	JN		ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	E966796	Total Alkanes		N	N		ug/L	6100-SW01
BG529	Surface Water	04/13/2021	1.0	123-91-1	1,4-Dioxane	2.0	U	U	2.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	100-52-7	Benzaldehyde	10	U	U	10	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	108-95-2	Phenol	10	U	U	10	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	10	U	U	10	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	95-57-8	2-Chlorophenol	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	95-48-7	2-Methylphenol	10	U	U	10	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	10	U	U	10	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	98-86-2	Acetophenone	10	U	U	10	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	106-44-5	4-Methylphenol	10	U	U	10	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	67-72-1	Hexachloroethane	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	98-95-3	Nitrobenzene	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	78-59-1	Isophorone	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	88-75-5	2-Nitrophenol	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	105-67-9	2,4-Dimethylphenol	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	120-83-2	2,4-Dichlorophenol	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	91-20-3	Naphthalene	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	106-47-8	4-Chloroaniline	10	U	U	10	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	87-68-3	Hexachlorobutadiene	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	105-60-2	Caprolactam	10	U	U	10	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	59-50-7	4-Chloro-3-methylphenol	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	90-12-0	1-Methylnaphthalene	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	91-57-6	2-Methylnaphthalene	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	77-47-4	Hexachlorocyclopentadiene	10	U	U	10	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	88-06-2	2,4,6-Trichlorophenol	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	95-95-4	2,4,5-Trichlorophenol	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	92-52-4	1,1-Biphenyl	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	91-58-7	2-Chloronaphthalene	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	88-74-4	2-Nitroaniline	5.0	U	UJ	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	131-11-3	Dimethylphthalate	2.5	J	J	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	606-20-2	2,6-Dinitrotoluene	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	208-96-8	Acenaphthylene	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	99-09-2	3-Nitroaniline	10	U	UJ	10	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	83-32-9	Acenaphthene	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	51-28-5	2,4-Dinitrophenol	10	U	UJ	10	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	100-02-7	4-Nitrophenol	10	U	UJ	10	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	132-64-9	Dibenzofuran	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	121-14-2	2,4-Dinitrotoluene	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	84-66-2	Diethylphthalate	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	86-73-7	Fluorene	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	100-01-6	4-Nitroaniline	10	U	UJ	10	ug/L	6100-SW04

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG529	Surface Water	04/13/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	10	U	U	10	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	86-30-6	N-Nitrosodiphenylamine	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	101-55-3	4-Bromophenyl-phenylether	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	118-74-1	Hexachlorobenzene	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	1912-24-9	Atrazine	10	U	U	10	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	87-86-5	Pentachlorophenol	10	U	U	10	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	85-01-8	Phenanthrene	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	120-12-7	Anthracene	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	86-74-8	Carbazole	10	U	U	10	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	84-74-2	Di-n-butylphthalate	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	206-44-0	Fluoranthene	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	129-00-0	Pyrene	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	85-68-7	Butylbenzylphthalate	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	91-94-1	3,3-Dichlorobenzidine	10	U	U	10	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	56-55-3	Benzo(a)anthracene	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	218-01-9	Chrysene	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	117-84-0	Di-n-octyl phthalate	10	U	U	10	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	205-99-2	Benzo(b)fluoranthene	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	207-08-9	Benzo(k)fluoranthene	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	50-32-8	Benzo(a)pyrene	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	191-24-2	Benzo(g,h,i)perylene	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	5.0	U	U	5.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	000126-86-3	2,4,7,9-Tetramethyl-5-decyn-4,7-di	8.9	JN	JN		ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	E966796	Total Alkanes		N	N		ug/L	6100-SW04
BG530	Surface Water	04/14/2021	1.0	123-91-1	1,4-Dioxane	2.2	U	U	2.2	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	100-52-7	Benzaldehyde	11	U	U	11	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	108-95-2	Phenol	11	U	U	11	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	11	U	U	11	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	95-57-8	2-Chlorophenol	5.5	U	U	5.5	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	95-48-7	2-Methylphenol	11	U	U	11	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	11	U	U	11	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	98-86-2	Acetophenone	11	U	U	11	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	106-44-5	4-Methylphenol	11	U	U	11	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	5.5	U	U	5.5	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	67-72-1	Hexachloroethane	5.5	U	U	5.5	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	98-95-3	Nitrobenzene	5.5	U	U	5.5	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	78-59-1	Isophorone	5.5	U	U	5.5	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	88-75-5	2-Nitrophenol	5.5	U	U	5.5	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	105-67-9	2,4-Dimethylphenol	5.5	U	U	5.5	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	5.5	U	U	5.5	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	120-83-2	2,4-Dichlorophenol	5.5	U	U	5.5	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	91-20-3	Naphthalene	5.5	U	U	5.5	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	106-47-8	4-Chloroaniline	11	U	U	11	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	87-68-3	Hexachlorobutadiene	5.5	U	U	5.5	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	105-60-2	Caprolactam	11	U	U	11	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	59-50-7	4-Chloro-3-methylphenol	5.5	U	U	5.5	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	90-12-0	1-Methylnaphthalene	5.5	U	U	5.5	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	91-57-6	2-Methylnaphthalene	5.5	U	U	5.5	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	77-47-4	Hexachlorocyclopentadiene	11	U	U	11	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	88-06-2	2,4,6-Trichlorophenol	5.5	U	U	5.5	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	95-95-4	2,4,5-Trichlorophenol	5.5	U	U	5.5	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	92-52-4	1,1-Biphenyl	5.5	U	U	5.5	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	91-58-7	2-Chloronaphthalene	5.5	U	U	5.5	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	88-74-4	2-Nitroaniline	5.5	U	U	5.5	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	131-11-3	Dimethylphthalate	2.7	J	J	5.5	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	606-20-2	2,6-Dinitrotoluene	5.5	U	U	5.5	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	208-96-8	Acenaphthylene	5.5	U	U	5.5	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	99-09-2	3-Nitroaniline	11	U	U	11	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	83-32-9	Acenaphthene	5.5	U	U	5.5	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	51-28-5	2,4-Dinitrophenol	11	U	U	11	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	100-02-7	4-Nitrophenol	11	U	U	11	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	132-64-9	Dibenzofuran	5.5	U	U	5.5	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	121-14-2	2,4-Dinitrotoluene	5.5	U	U	5.5	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	84-66-2	Diethylphthalate	5.5	U	U	5.5	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	86-73-7	Fluorene	5.5	U	U	5.5	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	5.5	U	U	5.5	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	100-01-6	4-Nitroaniline	11	U	U	11	ug/L	6100-SW09

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG530	Surface Water	04/14/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	11	U	U	11	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	86-30-6	N-Nitrosodiphenylamine	5.5	U	U	5.5	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	5.5	U	U	5.5	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	101-55-3	4-Bromophenyl-phenylether	5.5	U	U	5.5	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	118-74-1	Hexachlorobenzene	5.5	U	U	5.5	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	1912-24-9	Atrazine	11	U	U	11	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	87-86-5	Pentachlorophenol	11	U	U	11	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	85-01-8	Phenanthrene	5.5	U	U	5.5	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	120-12-7	Anthracene	5.5	U	U	5.5	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	86-74-8	Carbazole	11	U	U	11	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	84-74-2	Di-n-butylphthalate	5.5	U	U	5.5	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	206-44-0	Fluoranthene	5.5	U	U	5.5	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	129-00-0	Pyrene	5.5	U	U	5.5	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	85-68-7	Butylbenzylphthalate	5.5	U	U	5.5	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	91-94-1	3,3-Dichlorobenzidine	11	U	U	11	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	56-55-3	Benzo(a)anthracene	5.5	U	U	5.5	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	218-01-9	Chrysene	5.5	U	U	5.5	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	5.5	U	U	5.5	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	117-84-0	Di-n-octyl phthalate	11	U	U	11	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	205-99-2	Benzo(b)fluoranthene	5.5	U	U	5.5	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	207-08-9	Benzo(k)fluoranthene	5.5	U	U	5.5	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	50-32-8	Benzo(a)pyrene	5.5	U	U	5.5	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	5.5	U	U	5.5	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	5.5	U	U	5.5	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	191-24-2	Benzo(g,h,i)perylene	5.5	U	U	5.5	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	5.5	U	U	5.5	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	000057-10-3	n-Hexadecanoic acid	2.5	JN	JN		ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	E966796	Total Alkanes	2.6	B	B		ug/L	6100-SW09
BG531	Surface Water	04/14/2021	1.0	123-91-1	1,4-Dioxane	2.1	U	U	2.1	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	100-52-7	Benzaldehyde	11	U	U	11	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	108-95-2	Phenol	11	U	U	11	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	11	U	U	11	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	95-57-8	2-Chlorophenol	5.3	U	U	5.3	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	95-48-7	2-Methylphenol	11	U	U	11	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	11	U	U	11	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	98-86-2	Acetophenone	11	U	U	11	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	106-44-5	4-Methylphenol	11	U	U	11	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	5.3	U	U	5.3	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	67-72-1	Hexachloroethane	5.3	U	U	5.3	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	98-95-3	Nitrobenzene	5.3	U	U	5.3	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	78-59-1	Isophorone	5.3	U	U	5.3	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	88-75-5	2-Nitrophenol	5.3	U	U	5.3	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	105-67-9	2,4-Dimethylphenol	5.3	U	U	5.3	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	5.3	U	U	5.3	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	120-83-2	2,4-Dichlorophenol	5.3	U	U	5.3	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	91-20-3	Naphthalene	5.3	U	U	5.3	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	106-47-8	4-Chloroaniline	11	U	U	11	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	87-68-3	Hexachlorobutadiene	5.3	U	U	5.3	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	105-60-2	Caprolactam	11	U	U	11	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	59-50-7	4-Chloro-3-methylphenol	5.3	U	U	5.3	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	90-12-0	1-Methylnaphthalene	5.3	U	U	5.3	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	91-57-6	2-Methylnaphthalene	5.3	U	U	5.3	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	77-47-4	Hexachlorocyclopentadiene	11	U	U	11	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	88-06-2	2,4,6-Trichlorophenol	5.3	U	U	5.3	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	95-95-4	2,4,5-Trichlorophenol	5.3	U	U	5.3	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	92-52-4	1,1-Biphenyl	5.3	U	U	5.3	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	91-58-7	2-Chloronaphthalene	5.3	U	U	5.3	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	88-74-4	2-Nitroaniline	5.3	U	U	5.3	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	131-11-3	Dimethylphthalate	3.6	J	J	5.3	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	606-20-2	2,6-Dinitrotoluene	5.3	U	U	5.3	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	208-96-8	Acenaphthylene	5.3	U	U	5.3	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	99-09-2	3-Nitroaniline	11	U	U	11	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	83-32-9	Acenaphthene	5.3	U	U	5.3	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	51-28-5	2,4-Dinitrophenol	11	U	U	11	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	100-02-7	4-Nitrophenol	11	U	U	11	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	132-64-9	Dibenzofuran	5.3	U	U	5.3	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	121-14-2	2,4-Dinitrotoluene	5.3	U	U	5.3	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	84-66-2	Diethylphthalate	5.3	U	U	5.3	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	86-73-7	Fluorene	5.3	U	U	5.3	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	5.3	U	U	5.3	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	100-01-6	4-Nitroaniline	11	U	U	11	ug/L	6100-SW11

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG531	Surface Water	04/14/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	11	U	U	11	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	86-30-6	N-Nitrosodiphenylamine	5.3	U	U	5.3	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	5.3	U	U	5.3	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	101-55-3	4-Bromophenyl-phenylether	5.3	U	U	5.3	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	118-74-1	Hexachlorobenzene	5.3	U	U	5.3	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	1912-24-9	Atrazine	11	U	U	11	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	87-86-5	Pentachlorophenol	11	U	U	11	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	85-01-8	Phenanthrene	5.3	U	U	5.3	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	120-12-7	Anthracene	5.3	U	U	5.3	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	86-74-8	Carbazole	11	U	U	11	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	84-74-2	Di-n-butylphthalate	5.3	U	U	5.3	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	206-44-0	Fluoranthene	5.3	U	U	5.3	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	129-00-0	Pyrene	5.3	U	U	5.3	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	85-68-7	Butylbenzylphthalate	5.3	U	U	5.3	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	91-94-1	3,3-Dichlorobenzidine	11	U	U	11	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	56-55-3	Benzo(a)anthracene	5.3	U	U	5.3	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	218-01-9	Chrysene	5.3	U	U	5.3	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	5.3	U	U	5.3	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	117-84-0	Di-n-octyl phthalate	11	U	U	11	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	205-99-2	Benzo(b)fluoranthene	5.3	U	U	5.3	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	207-08-9	Benzo(k)fluoranthene	5.3	U	U	5.3	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	50-32-8	Benzo(a)pyrene	5.3	U	U	5.3	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	5.3	U	U	5.3	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	5.3	U	U	5.3	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	191-24-2	Benzo(g,h,i)perylene	5.3	U	U	5.3	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	5.3	U	U	5.3	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	000057-10-3	n-Hexadecanoic acid	3.1	JN	JN		ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	959261-23-5	Heptafluorobutyric acid, pentadecy	2.9	JN	JN		ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	E966796	Total Alkanes	8.5	B	B		ug/L	6100-SW11
BG532	Surface Water	04/14/2021	1.0	123-91-1	1,4-Dioxane	2.3	U	U	2.3	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	100-52-7	Benzaldehyde	11	U	U	11	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	108-95-2	Phenol	11	U	U	11	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	11	U	U	11	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	95-57-8	2-Chlorophenol	5.7	U	U	5.7	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	95-48-7	2-Methylphenol	11	U	U	11	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	11	U	U	11	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	98-86-2	Acetophenone	11	U	U	11	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	106-44-5	4-Methylphenol	11	U	U	11	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	5.7	U	U	5.7	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	67-72-1	Hexachloroethane	5.7	U	U	5.7	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	98-95-3	Nitrobenzene	5.7	U	U	5.7	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	78-59-1	Isophorone	5.7	U	U	5.7	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	88-75-5	2-Nitrophenol	5.7	U	U	5.7	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	105-67-9	2,4-Dimethylphenol	5.7	U	U	5.7	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	5.7	U	U	5.7	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	120-83-2	2,4-Dichlorophenol	5.7	U	U	5.7	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	91-20-3	Naphthalene	5.7	U	U	5.7	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	106-47-8	4-Chloroaniline	11	U	U	11	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	87-68-3	Hexachlorobutadiene	5.7	U	U	5.7	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	105-60-2	Caprolactam	11	U	U	11	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	59-50-7	4-Chloro-3-methylphenol	5.7	U	U	5.7	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	90-12-0	1-Methylnaphthalene	5.7	U	U	5.7	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	91-57-6	2-Methylnaphthalene	5.7	U	U	5.7	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	77-47-4	Hexachlorocyclopentadiene	11	U	U	11	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	88-06-2	2,4,6-Trichlorophenol	5.7	U	U	5.7	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	95-95-4	2,4,5-Trichlorophenol	5.7	U	U	5.7	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	92-52-4	1,1-Biphenyl	5.7	U	U	5.7	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	91-58-7	2-Chloronaphthalene	5.7	U	U	5.7	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	88-74-4	2-Nitroaniline	5.7	U	U	5.7	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	131-11-3	Dimethylphthalate	5.7	U	U	5.7	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	606-20-2	2,6-Dinitrotoluene	5.7	U	U	5.7	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	208-96-8	Acenaphthylene	5.7	U	U	5.7	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	99-09-2	3-Nitroaniline	11	U	U	11	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	83-32-9	Acenaphthene	5.7	U	U	5.7	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	51-28-5	2,4-Dinitrophenol	11	U	U	11	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	100-02-7	4-Nitrophenol	11	U	U	11	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	132-64-9	Dibenzofuran	5.7	U	U	5.7	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	121-14-2	2,4-Dinitrotoluene	5.7	U	U	5.7	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	84-66-2	Diethylphthalate	5.7	U	U	5.7	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	86-73-7	Fluorene	5.7	U	U	5.7	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	5.7	U	U	5.7	ug/L	6100-SW13

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG532	Surface Water	04/14/2021	1.0	100-01-6	4-Nitroaniline	11	U	U	11	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	11	U	U	11	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	86-30-6	N-Nitrosodiphenylamine	5.7	U	U	5.7	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	5.7	U	U	5.7	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	101-55-3	4-Bromophenyl-phenylether	5.7	U	U	5.7	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	118-74-1	Hexachlorobenzene	5.7	U	U	5.7	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	1912-24-9	Atrazine	11	U	U	11	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	87-86-5	Pentachlorophenol	11	U	U	11	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	85-01-8	Phenanthrene	5.7	U	U	5.7	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	120-12-7	Anthracene	5.7	U	U	5.7	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	86-74-8	Carbazole	11	U	U	11	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	84-74-2	Di-n-butylphthalate	5.7	U	U	5.7	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	206-44-0	Fluoranthene	5.7	U	U	5.7	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	129-00-0	Pyrene	5.7	U	U	5.7	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	85-68-7	Butylbenzylphthalate	5.7	U	U	5.7	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	91-94-1	3,3-Dichlorobenzidine	11	U	U	11	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	56-55-3	Benzo(a)anthracene	5.7	U	U	5.7	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	218-01-9	Chrysene	5.7	U	U	5.7	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	5.7	U	U	5.7	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	117-84-0	Di-n-octyl phthalate	11	U	U	11	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	205-99-2	Benzo(b)fluoranthene	5.7	U	U	5.7	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	207-08-9	Benzo(k)fluoranthene	5.7	U	U	5.7	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	50-32-8	Benzo(a)pyrene	5.7	U	U	5.7	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	5.7	U	U	5.7	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	5.7	U	U	5.7	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	191-24-2	Benzo(g,h,i)perylene	5.7	U	U	5.7	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	5.7	U	U	5.7	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	000057-10-3	n-Hexadecanoic acid	2.7	JN	JN		ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	1000309-12-5	Sulfurous acid, 2-propyl tetradecy	2.9	JN	JN		ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	E966796	Total Alkanes	19	B	B		ug/L	6100-SW13
BG533	Surface Water	04/14/2021	1.0	123-91-1	1,4-Dioxane	2.2	U	U	2.2	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	100-52-7	Benzaldehyde	11	U	U	11	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	108-95-2	Phenol	11	U	U	11	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	11	U	U	11	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	95-57-8	2-Chlorophenol	5.4	U	U	5.4	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	95-48-7	2-Methylphenol	11	U	U	11	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	11	U	U	11	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	98-86-2	Acetophenone	11	U	U	11	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	106-44-5	4-Methylphenol	11	U	U	11	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	5.4	U	U	5.4	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	67-72-1	Hexachloroethane	5.4	U	U	5.4	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	98-95-3	Nitrobenzene	5.4	U	U	5.4	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	78-59-1	Isophorone	5.4	U	U	5.4	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	88-75-5	2-Nitrophenol	5.4	U	U	5.4	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	105-67-9	2,4-Dimethylphenol	5.4	U	U	5.4	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	5.4	U	U	5.4	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	120-83-2	2,4-Dichlorophenol	5.4	U	U	5.4	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	91-20-3	Naphthalene	5.4	U	U	5.4	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	106-47-8	4-Chloroaniline	11	U	U	11	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	87-68-3	Hexachlorobutadiene	5.4	U	U	5.4	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	105-60-2	Caprolactam	11	U	U	11	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	59-50-7	4-Chloro-3-methylphenol	5.4	U	U	5.4	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	90-12-0	1-Methylnaphthalene	5.4	U	U	5.4	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	91-57-6	2-Methylnaphthalene	5.4	U	U	5.4	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	77-47-4	Hexachlorocyclopentadiene	11	U	U	11	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	88-06-2	2,4,6-Trichlorophenol	5.4	U	U	5.4	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	95-95-4	2,4,5-Trichlorophenol	5.4	U	U	5.4	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	92-52-4	1,1-Biphenyl	5.4	U	U	5.4	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	91-58-7	2-Chloronaphthalene	5.4	U	U	5.4	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	88-74-4	2-Nitroaniline	5.4	U	U	5.4	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	131-11-3	Dimethylphthalate	5.4	U	U	5.4	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	606-20-2	2,6-Dinitrotoluene	5.4	U	U	5.4	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	208-96-8	Acenaphthylene	5.4	U	U	5.4	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	99-09-2	3-Nitroaniline	11	U	U	11	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	83-32-9	Acenaphthene	5.4	U	U	5.4	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	51-28-5	2,4-Dinitrophenol	11	U	U	11	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	100-02-7	4-Nitrophenol	11	U	U	11	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	132-64-9	Dibenzofuran	5.4	U	U	5.4	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	121-14-2	2,4-Dinitrotoluene	5.4	U	U	5.4	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	84-66-2	Diethylphthalate	5.4	U	U	5.4	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	86-73-7	Fluorene	5.4	U	U	5.4	ug/L	6100-SW14

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG533	Surface Water	04/14/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	5.4	U	U	5.4	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	100-01-6	4-Nitroaniline	11	U	U	11	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	11	U	U	11	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	86-30-6	N-Nitrosodiphenylamine	5.4	U	U	5.4	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	5.4	U	U	5.4	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	101-55-3	4-Bromophenyl-phenylether	5.4	U	U	5.4	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	118-74-1	Hexachlorobenzene	5.4	U	U	5.4	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	1912-24-9	Atrazine	11	U	U	11	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	87-86-5	Pentachlorophenol	11	U	U	11	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	85-01-8	Phenanthrene	5.4	U	U	5.4	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	120-12-7	Anthracene	5.4	U	U	5.4	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	86-74-8	Carbazole	11	U	U	11	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	84-74-2	Di-n-butylphthalate	5.4	U	U	5.4	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	206-44-0	Fluoranthene	5.4	U	U	5.4	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	129-00-0	Pyrene	5.4	U	U	5.4	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	85-68-7	Butylbenzylphthalate	5.4	U	U	5.4	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	91-94-1	3,3-Dichlorobenzidine	11	U	U	11	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	56-55-3	Benzo(a)anthracene	5.4	U	U	5.4	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	218-01-9	Chrysene	5.4	U	U	5.4	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	5.4	U	U	5.4	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	117-84-0	Di-n-octyl phthalate	11	U	U	11	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	205-99-2	Benzo(b)fluoranthene	5.4	U	U	5.4	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	207-08-9	Benzo(k)fluoranthene	5.4	U	U	5.4	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	50-32-8	Benzo(a)pyrene	5.4	U	U	5.4	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	5.4	U	U	5.4	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	5.4	U	U	5.4	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	191-24-2	Benzo(g,h,i)perylene	5.4	U	U	5.4	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	5.4	U	U	5.4	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	000057-10-3	n-Hexadecanoic acid	2.8	JN	JN		ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	E966796	Total Alkanes	11	B	B		ug/L	6100-SW14
BG534	Surface Water	04/15/2021	1.0	123-91-1	1,4-Dioxane	2.0	U	U	2.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	100-52-7	Benzaldehyde	10	U	U	10	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	108-95-2	Phenol	10	U	U	10	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	10	U	U	10	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	95-57-8	2-Chlorophenol	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	95-48-7	2-Methylphenol	10	U	U	10	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	10	U	U	10	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	98-86-2	Acetophenone	10	U	U	10	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	106-44-5	4-Methylphenol	10	U	U	10	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	67-72-1	Hexachloroethane	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	98-95-3	Nitrobenzene	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	78-59-1	Isophorone	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	88-75-5	2-Nitrophenol	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	105-67-9	2,4-Dimethylphenol	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	120-83-2	2,4-Dichlorophenol	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	91-20-3	Naphthalene	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	106-47-8	4-Chloroaniline	10	U	U	10	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	87-68-3	Hexachlorobutadiene	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	105-60-2	Caprolactam	10	U	U	10	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	59-50-7	4-Chloro-3-methylphenol	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	90-12-0	1-Methylnaphthalene	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	91-57-6	2-Methylnaphthalene	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	77-47-4	Hexachlorocyclopentadiene	10	U	U	10	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	88-06-2	2,4,6-Trichlorophenol	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	95-95-4	2,4,5-Trichlorophenol	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	92-52-4	1,1-Biphenyl	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	91-58-7	2-Chloronaphthalene	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	88-74-4	2-Nitroaniline	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	131-11-3	Dimethylphthalate	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	606-20-2	2,6-Dinitrotoluene	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	208-96-8	Acenaphthylene	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	99-09-2	3-Nitroaniline	10	U	U	10	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	83-32-9	Acenaphthene	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	51-28-5	2,4-Dinitrophenol	10	U	U	10	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	100-02-7	4-Nitrophenol	10	U	U	10	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	132-64-9	Dibenzofuran	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	121-14-2	2,4-Dinitrotoluene	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	84-66-2	Diethylphthalate	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	86-73-7	Fluorene	5.0	U	U	5.0	ug/L	6100-SW20

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG534	Surface Water	04/15/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	100-01-6	4-Nitroaniline	10	U	U	10	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	10	U	U	10	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	86-30-6	N-Nitrosodiphenylamine	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	101-55-3	4-Bromophenyl-phenylether	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	118-74-1	Hexachlorobenzene	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	1912-24-9	Atrazine	10	U	U	10	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	87-86-5	Pentachlorophenol	10	U	U	10	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	85-01-8	Phenanthrene	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	120-12-7	Anthracene	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	86-74-8	Carbazole	10	U	U	10	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	84-74-2	Di-n-butylphthalate	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	206-44-0	Fluoranthene	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	129-00-0	Pyrene	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	85-68-7	Butylbenzylphthalate	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	91-94-1	3,3-Dichlorobenzidine	10	U	U	10	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	56-55-3	Benzo(a)anthracene	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	218-01-9	Chrysene	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	117-84-0	Di-n-octyl phthalate	10	U	U	10	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	205-99-2	Benzo(b)fluoranthene	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	207-08-9	Benzo(k)fluoranthene	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	50-32-8	Benzo(a)pyrene	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	191-24-2	Benzo(g,h,i)perylene	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	5.0	U	U	5.0	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	000057-10-3	n-Hexadecanoic acid	7.7	JN	JN		ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	000191-26-4	Dibenzo[def,mno]chrysene	5.7	JN	JN		ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	E966796	Total Alkanes		N	N		ug/L	6100-SW20
BG536	Surface Water	04/13/2021	1.0	123-91-1	1,4-Dioxane	2.4	U	U	2.4	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	100-52-7	Benzaldehyde	12	U	U	12	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	108-95-2	Phenol	12	U	U	12	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	12	U	U	12	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	95-57-8	2-Chlorophenol	6.0	U	U	6.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	95-48-7	2-Methylphenol	12	U	U	12	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	12	U	U	12	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	98-86-2	Acetophenone	12	U	U	12	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	106-44-5	4-Methylphenol	12	U	U	12	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	6.0	U	U	6.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	67-72-1	Hexachloroethane	6.0	U	U	6.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	98-95-3	Nitrobenzene	6.0	U	U	6.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	78-59-1	Isophorone	6.0	U	U	6.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	88-75-5	2-Nitrophenol	6.0	U	U	6.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	105-67-9	2,4-Dimethylphenol	6.0	U	U	6.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	6.0	U	U	6.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	120-83-2	2,4-Dichlorophenol	6.0	U	U	6.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	91-20-3	Naphthalene	6.0	U	U	6.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	106-47-8	4-Chloroaniline	12	U	U	12	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	87-68-3	Hexachlorobutadiene	6.0	U	U	6.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	105-60-2	Caprolactam	12	U	U	12	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	59-50-7	4-Chloro-3-methylphenol	6.0	U	U	6.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	90-12-0	1-Methylnaphthalene	6.0	U	U	6.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	91-57-6	2-Methylnaphthalene	6.0	U	U	6.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	77-47-4	Hexachlorocyclopentadiene	12	U	U	12	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	88-06-2	2,4,6-Trichlorophenol	6.0	U	U	6.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	95-95-4	2,4,5-Trichlorophenol	6.0	U	U	6.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	92-52-4	1,1-Biphenyl	6.0	U	U	6.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	91-58-7	2-Chloronaphthalene	6.0	U	U	6.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	88-74-4	2-Nitroaniline	6.0	U	U	6.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	131-11-3	Dimethylphthalate	3.1	J	J	6.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	606-20-2	2,6-Dinitrotoluene	6.0	U	U	6.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	208-96-8	Acenaphthylene	6.0	U	U	6.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	99-09-2	3-Nitroaniline	12	U	U	12	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	83-32-9	Acenaphthene	6.0	U	U	6.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	51-28-5	2,4-Dinitrophenol	12	U	U	12	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	100-02-7	4-Nitrophenol	12	U	U	12	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	132-64-9	Dibenzofuran	6.0	U	U	6.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	121-14-2	2,4-Dinitrotoluene	6.0	U	U	6.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	84-66-2	Diethylphthalate	6.0	U	U	6.0	ug/L	6100-SW22

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG536	Surface Water	04/13/2021	1.0	86-73-7	Fluorene	6.0	U	U	6.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	6.0	U	U	6.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	100-01-6	4-Nitroaniline	12	U	U	12	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	12	U	U	12	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	86-30-6	N-Nitrosodiphenylamine	6.0	U	U	6.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	6.0	U	U	6.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	101-55-3	4-Bromophenyl-phenylether	6.0	U	U	6.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	118-74-1	Hexachlorobenzene	6.0	U	U	6.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	1912-24-9	Atrazine	12	U	U	12	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	87-86-5	Pentachlorophenol	12	U	U	12	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	85-01-8	Phenanthrene	6.0	U	U	6.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	120-12-7	Anthracene	6.0	U	U	6.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	86-74-8	Carbazole	12	U	U	12	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	84-74-2	Di-n-butylphthalate	6.0	U	U	6.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	206-44-0	Fluoranthene	6.0	U	U	6.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	129-00-0	Pyrene	6.0	U	U	6.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	85-68-7	Butylbenzylphthalate	6.0	U	U	6.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	91-94-1	3,3-Dichlorobenzidine	12	U	U	12	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	56-55-3	Benzo(a)anthracene	6.0	U	U	6.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	218-01-9	Chrysene	6.0	U	U	6.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	6.0	U	U	6.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	117-84-0	Di-n-octyl phthalate	12	U	U	12	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	205-99-2	Benzo(b)fluoranthene	6.0	U	U	6.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	207-08-9	Benzo(k)fluoranthene	6.0	U	U	6.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	50-32-8	Benzo(a)pyrene	6.0	U	U	6.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	6.0	U	U	6.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	6.0	U	U	6.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	191-24-2	Benzo(g,h,i)perylene	6.0	U	U	6.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	6.0	U	U	6.0	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	000057-10-3	n-Hexadecanoic acid	2.7	JN	JN		ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	000126-86-3	2,4,7,9-Tetramethyl-5-decyn-4,7-di	4.1	JN	JN		ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	E966796	Total Alkanes		N	N		ug/L	6100-SW22
BG537	Surface Water	04/13/2021	1.0	123-91-1	1,4-Dioxane	2.4	U	U	2.4	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	100-52-7	Benzaldehyde	12	U	U	12	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	108-95-2	Phenol	12	U	U	12	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	12	U	U	12	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	95-57-8	2-Chlorophenol	6.0	U	U	6.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	95-48-7	2-Methylphenol	12	U	U	12	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	12	U	U	12	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	98-86-2	Acetophenone	12	U	U	12	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	106-44-5	4-Methylphenol	12	U	U	12	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	6.0	U	U	6.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	67-72-1	Hexachloroethane	6.0	U	U	6.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	98-95-3	Nitrobenzene	6.0	U	U	6.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	78-59-1	Isophorone	6.0	U	U	6.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	88-75-5	2-Nitrophenol	6.0	U	U	6.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	105-67-9	2,4-Dimethylphenol	6.0	U	U	6.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	6.0	U	U	6.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	120-83-2	2,4-Dichlorophenol	6.0	U	U	6.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	91-20-3	Naphthalene	6.0	U	U	6.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	106-47-8	4-Chloroaniline	12	U	U	12	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	87-68-3	Hexachlorobutadiene	6.0	U	U	6.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	105-60-2	Caprolactam	12	U	U	12	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	59-50-7	4-Chloro-3-methylphenol	6.0	U	U	6.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	90-12-0	1-Methylnaphthalene	6.0	U	U	6.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	91-57-6	2-Methylnaphthalene	6.0	U	U	6.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	77-47-4	Hexachlorocyclopentadiene	12	U	U	12	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	88-06-2	2,4,6-Trichlorophenol	6.0	U	U	6.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	95-95-4	2,4,5-Trichlorophenol	6.0	U	U	6.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	92-52-4	1,1-Biphenyl	6.0	U	U	6.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	91-58-7	2-Chloronaphthalene	6.0	U	U	6.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	88-74-4	2-Nitroaniline	6.0	U	U	6.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	131-11-3	Dimethylphthalate	3.0	J	J	6.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	606-20-2	2,6-Dinitrotoluene	6.0	U	U	6.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	208-96-8	Acenaphthylene	6.0	U	U	6.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	99-09-2	3-Nitroaniline	12	U	U	12	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	83-32-9	Acenaphthene	6.0	U	U	6.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	51-28-5	2,4-Dinitrophenol	12	U	U	12	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	100-02-7	4-Nitrophenol	12	U	U	12	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	132-64-9	Dibenzofuran	6.0	U	U	6.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	121-14-2	2,4-Dinitrotoluene	6.0	U	U	6.0	ug/L	6100-SW23

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG537	Surface Water	04/13/2021	1.0	84-66-2	Diethylphthalate	6.0	U	U	6.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	86-73-7	Fluorene	6.0	U	U	6.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	6.0	U	U	6.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	100-01-6	4-Nitroaniline	12	U	U	12	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	12	U	U	12	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	86-30-6	N-Nitrosodiphenylamine	6.0	U	U	6.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	6.0	U	U	6.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	101-55-3	4-Bromophenyl-phenylether	6.0	U	U	6.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	118-74-1	Hexachlorobenzene	6.0	U	U	6.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	1912-24-9	Atrazine	12	U	U	12	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	87-86-5	Pentachlorophenol	12	U	U	12	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	85-01-8	Phenanthrene	6.0	U	U	6.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	120-12-7	Anthracene	6.0	U	U	6.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	86-74-8	Carbazole	12	U	U	12	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	84-74-2	Di-n-butylphthalate	6.0	U	U	6.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	206-44-0	Fluoranthene	6.0	U	U	6.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	129-00-0	Pyrene	6.0	U	U	6.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	85-68-7	Butylbenzylphthalate	6.0	U	U	6.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	91-94-1	3,3-Dichlorobenzidine	12	U	U	12	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	56-55-3	Benzo(a)anthracene	6.0	U	U	6.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	218-01-9	Chrysene	6.0	U	U	6.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	6.0	U	U	6.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	117-84-0	Di-n-octyl phthalate	12	U	U	12	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	205-99-2	Benzo(b)fluoranthene	6.0	U	U	6.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	207-08-9	Benzo(k)fluoranthene	6.0	U	U	6.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	50-32-8	Benzo(a)pyrene	6.0	U	U	6.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	6.0	U	U	6.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	6.0	U	U	6.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	191-24-2	Benzo(g,h,i)perylene	6.0	U	U	6.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	6.0	U	U	6.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	001454-84-8	n-Nonadecanol-1	2.8	JN	JN		ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	E966796	Total Alkanes		N	N		ug/L	6100-SW23
BG538	Surface Water	04/13/2021	1.0	123-91-1	1,4-Dioxane	2.2	U	U	2.2	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	100-52-7	Benzaldehyde	11	U	U	11	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	108-95-2	Phenol	11	U	U	11	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	11	U	U	11	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	95-57-8	2-Chlorophenol	5.4	U	U	5.4	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	95-48-7	2-Methylphenol	11	U	U	11	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	11	U	U	11	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	98-86-2	Acetophenone	11	U	U	11	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	106-44-5	4-Methylphenol	11	U	U	11	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	5.4	U	U	5.4	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	67-72-1	Hexachloroethane	5.4	U	U	5.4	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	98-95-3	Nitrobenzene	5.4	U	U	5.4	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	78-59-1	Isophorone	5.4	U	U	5.4	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	88-75-5	2-Nitrophenol	5.4	U	U	5.4	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	105-67-9	2,4-Dimethylphenol	5.4	U	U	5.4	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	5.4	U	U	5.4	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	120-83-2	2,4-Dichlorophenol	5.4	U	U	5.4	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	91-20-3	Naphthalene	5.4	U	U	5.4	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	106-47-8	4-Chloroaniline	11	U	U	11	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	87-68-3	Hexachlorobutadiene	5.4	U	U	5.4	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	105-60-2	Caprolactam	11	U	U	11	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	59-50-7	4-Chloro-3-methylphenol	5.4	U	U	5.4	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	90-12-0	1-Methylnaphthalene	5.4	U	U	5.4	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	91-57-6	2-Methylnaphthalene	5.4	U	U	5.4	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	77-47-4	Hexachlorocyclopentadiene	11	U	U	11	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	88-06-2	2,4,6-Trichlorophenol	5.4	U	U	5.4	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	95-95-4	2,4,5-Trichlorophenol	5.4	U	U	5.4	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	92-52-4	1,1-Biphenyl	5.4	U	U	5.4	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	91-58-7	2-Chloronaphthalene	5.4	U	U	5.4	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	88-74-4	2-Nitroaniline	5.4	U	U	5.4	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	131-11-3	Dimethylphthalate	3.3	J	J	5.4	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	606-20-2	2,6-Dinitrotoluene	5.4	U	U	5.4	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	208-96-8	Acenaphthylene	5.4	U	U	5.4	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	99-09-2	3-Nitroaniline	11	U	U	11	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	83-32-9	Acenaphthene	5.4	U	U	5.4	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	51-28-5	2,4-Dinitrophenol	11	U	U	11	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	100-02-7	4-Nitrophenol	11	U	U	11	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	132-64-9	Dibenzofuran	5.4	U	U	5.4	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	121-14-2	2,4-Dinitrotoluene	5.4	U	U	5.4	ug/L	6100-SW24

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG538	Surface Water	04/13/2021	1.0	84-66-2	Diethylphthalate	5.4	U	U	5.4	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	86-73-7	Fluorene	5.4	U	U	5.4	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	5.4	U	U	5.4	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	100-01-6	4-Nitroaniline	11	U	U	11	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	11	U	U	11	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	86-30-6	N-Nitrosodiphenylamine	5.4	U	U	5.4	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	5.4	U	U	5.4	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	101-55-3	4-Bromophenyl-phenylether	5.4	U	U	5.4	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	118-74-1	Hexachlorobenzene	5.4	U	U	5.4	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	1912-24-9	Atrazine	11	U	U	11	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	87-86-5	Pentachlorophenol	11	U	U	11	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	85-01-8	Phenanthrene	5.4	U	U	5.4	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	120-12-7	Anthracene	5.4	U	U	5.4	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	86-74-8	Carbazole	11	U	U	11	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	84-74-2	Di-n-butylphthalate	5.4	U	U	5.4	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	206-44-0	Fluoranthene	5.4	U	U	5.4	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	129-00-0	Pyrene	5.4	U	U	5.4	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	85-68-7	Butylbenzylphthalate	5.4	U	U	5.4	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	91-94-1	3,3-Dichlorobenzidine	11	U	U	11	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	56-55-3	Benzo(a)anthracene	5.4	U	U	5.4	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	218-01-9	Chrysene	5.4	U	U	5.4	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	5.4	U	U	5.4	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	117-84-0	Di-n-octyl phthalate	11	U	U	11	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	205-99-2	Benzo(b)fluoranthene	5.4	U	U	5.4	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	207-08-9	Benzo(k)fluoranthene	5.4	U	U	5.4	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	50-32-8	Benzo(a)pyrene	5.4	U	U	5.4	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	5.4	U	U	5.4	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	5.4	U	U	5.4	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	191-24-2	Benzo(g,h,i)perylene	5.4	U	U	5.4	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	5.4	U	U	5.4	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	E966796	Total Alkanes		N	N		ug/L	6100-SW24
BG539	Surface Water	04/13/2021	1.0	123-91-1	1,4-Dioxane	2.3	U	U	2.3	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	100-52-7	Benzaldehyde	11	U	U	11	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	108-95-2	Phenol	11	U	U	11	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	11	U	U	11	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	95-57-8	2-Chlorophenol	5.7	U	U	5.7	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	95-48-7	2-Methylphenol	11	U	U	11	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	11	U	U	11	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	98-86-2	Acetophenone	11	U	U	11	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	106-44-5	4-Methylphenol	11	U	U	11	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	5.7	U	U	5.7	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	67-72-1	Hexachloroethane	5.7	U	U	5.7	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	98-95-3	Nitrobenzene	5.7	U	U	5.7	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	78-59-1	Isophorone	5.7	U	U	5.7	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	88-75-5	2-Nitrophenol	5.7	U	U	5.7	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	105-67-9	2,4-Dimethylphenol	5.7	U	U	5.7	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	5.7	U	U	5.7	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	120-83-2	2,4-Dichlorophenol	5.7	U	U	5.7	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	91-20-3	Naphthalene	5.7	U	U	5.7	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	106-47-8	4-Chloroaniline	11	U	U	11	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	87-68-3	Hexachlorobutadiene	5.7	U	U	5.7	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	105-60-2	Caprolactam	11	U	U	11	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	59-50-7	4-Chloro-3-methylphenol	5.7	U	U	5.7	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	90-12-0	1-Methylnaphthalene	5.7	U	U	5.7	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	91-57-6	2-Methylnaphthalene	5.7	U	U	5.7	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	77-47-4	Hexachlorocyclopentadiene	11	U	U	11	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	88-06-2	2,4,6-Trichlorophenol	5.7	U	U	5.7	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	95-95-4	2,4,5-Trichlorophenol	5.7	U	U	5.7	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	92-52-4	1,1-Biphenyl	5.7	U	U	5.7	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	91-58-7	2-Chloronaphthalene	5.7	U	U	5.7	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	88-74-4	2-Nitroaniline	5.7	U	U	5.7	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	131-11-3	Dimethylphthalate	4.0	J	J	5.7	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	606-20-2	2,6-Dinitrotoluene	5.7	U	U	5.7	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	208-96-8	Acenaphthylene	5.7	U	U	5.7	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	99-09-2	3-Nitroaniline	11	U	U	11	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	83-32-9	Acenaphthene	5.7	U	U	5.7	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	51-28-5	2,4-Dinitrophenol	11	U	U	11	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	100-02-7	4-Nitrophenol	11	U	U	11	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	132-64-9	Dibenzofuran	5.7	U	U	5.7	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	121-14-2	2,4-Dinitrotoluene	5.7	U	U	5.7	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	84-66-2	Diethylphthalate	5.7	U	U	5.7	ug/L	6100-SW25

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG539	Surface Water	04/13/2021	1.0	86-73-7	Fluorene	5.7	U	U	5.7	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	5.7	U	U	5.7	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	100-01-6	4-Nitroaniline	11	U	U	11	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	11	U	U	11	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	86-30-6	N-Nitrosodiphenylamine	5.7	U	U	5.7	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	5.7	U	U	5.7	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	101-55-3	4-Bromophenyl-phenylether	5.7	U	U	5.7	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	118-74-1	Hexachlorobenzene	5.7	U	U	5.7	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	1912-24-9	Atrazine	11	U	U	11	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	87-86-5	Pentachlorophenol	11	U	U	11	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	85-01-8	Phenanthrene	5.7	U	U	5.7	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	120-12-7	Anthracene	5.7	U	U	5.7	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	86-74-8	Carbazole	11	U	U	11	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	84-74-2	Di-n-butylphthalate	5.7	U	U	5.7	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	206-44-0	Fluoranthene	5.7	U	U	5.7	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	129-00-0	Pyrene	5.7	U	U	5.7	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	85-68-7	Butylbenzylphthalate	5.7	U	U	5.7	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	91-94-1	3,3-Dichlorobenzidine	11	U	U	11	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	56-55-3	Benzo(a)anthracene	5.7	U	U	5.7	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	218-01-9	Chrysene	5.7	U	U	5.7	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	5.7	U	U	5.7	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	117-84-0	Di-n-octyl phthalate	11	U	U	11	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	205-99-2	Benzo(b)fluoranthene	5.7	U	U	5.7	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	207-08-9	Benzo(k)fluoranthene	5.7	U	U	5.7	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	50-32-8	Benzo(a)pyrene	5.7	U	U	5.7	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	5.7	U	U	5.7	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	5.7	U	U	5.7	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	191-24-2	Benzo(g,h,i)perylene	5.7	U	U	5.7	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	5.7	U	U	5.7	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	000057-10-3	n-Hexadecanoic acid	2.7	JN	JN		ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	035599-77-0	Tridecane, 1-iodo-	3.8	JN	JN		ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	E966796	Total Alkanes	23	B	B		ug/L	6100-SW25
BG548	Surface Water	04/14/2021	1.0	123-91-1	1,4-Dioxane	2.2	U	U	2.2	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	100-52-7	Benzaldehyde	11	U	U	11	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	108-95-2	Phenol	11	U	U	11	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	11	U	U	11	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	95-57-8	2-Chlorophenol	5.4	U	U	5.4	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	95-48-7	2-Methylphenol	11	U	U	11	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	11	U	U	11	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	98-86-2	Acetophenone	11	U	U	11	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	106-44-5	4-Methylphenol	11	U	U	11	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	5.4	U	U	5.4	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	67-72-1	Hexachloroethane	5.4	U	U	5.4	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	98-95-3	Nitrobenzene	5.4	U	U	5.4	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	78-59-1	Isophorone	5.4	U	U	5.4	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	88-75-5	2-Nitrophenol	5.4	U	U	5.4	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	105-67-9	2,4-Dimethylphenol	5.4	U	U	5.4	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	5.4	U	U	5.4	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	120-83-2	2,4-Dichlorophenol	5.4	U	U	5.4	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	91-20-3	Naphthalene	5.4	U	U	5.4	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	106-47-8	4-Chloroaniline	11	U	U	11	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	87-68-3	Hexachlorobutadiene	5.4	U	U	5.4	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	105-60-2	Caprolactam	11	U	U	11	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	59-50-7	4-Chloro-3-methylphenol	5.4	U	U	5.4	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	90-12-0	1-Methylnaphthalene	5.4	U	U	5.4	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	91-57-6	2-Methylnaphthalene	5.4	U	U	5.4	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	77-47-4	Hexachlorocyclopentadiene	11	U	U	11	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	88-06-2	2,4,6-Trichlorophenol	5.4	U	U	5.4	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	95-95-4	2,4,5-Trichlorophenol	5.4	U	U	5.4	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	92-52-4	1,1-Biphenyl	5.4	U	U	5.4	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	91-58-7	2-Chloronaphthalene	5.4	U	U	5.4	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	88-74-4	2-Nitroaniline	5.4	U	U	5.4	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	131-11-3	Dimethylphthalate	2.7	J	J	5.4	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	606-20-2	2,6-Dinitrotoluene	5.4	U	U	5.4	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	208-96-8	Acenaphthylene	5.4	U	U	5.4	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	99-09-2	3-Nitroaniline	11	U	U	11	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	83-32-9	Acenaphthene	5.4	U	U	5.4	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	51-28-5	2,4-Dinitrophenol	11	U	U	11	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	100-02-7	4-Nitrophenol	11	U	U	11	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	132-64-9	Dibenzofuran	5.4	U	U	5.4	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	121-14-2	2,4-Dinitrotoluene	5.4	U	U	5.4	ug/L	6100-SW26

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG548	Surface Water	04/14/2021	1.0	84-66-2	Diethylphthalate	5.4	U	U	5.4	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	86-73-7	Fluorene	5.4	U	U	5.4	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	5.4	U	U	5.4	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	100-01-6	4-Nitroaniline	11	U	U	11	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	11	U	U	11	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	86-30-6	N-Nitrosodiphenylamine	5.4	U	U	5.4	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	5.4	U	U	5.4	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	101-55-3	4-Bromophenyl-phenylether	5.4	U	U	5.4	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	118-74-1	Hexachlorobenzene	5.4	U	U	5.4	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	1912-24-9	Atrazine	11	U	U	11	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	87-86-5	Pentachlorophenol	11	U	U	11	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	85-01-8	Phenanthrene	5.4	U	U	5.4	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	120-12-7	Anthracene	5.4	U	U	5.4	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	86-74-8	Carbazole	11	U	U	11	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	84-74-2	Di-n-butylphthalate	5.4	U	U	5.4	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	206-44-0	Fluoranthene	5.4	U	U	5.4	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	129-00-0	Pyrene	5.4	U	U	5.4	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	85-68-7	Butylbenzylphthalate	5.4	U	U	5.4	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	91-94-1	3,3-Dichlorobenzidine	11	U	U	11	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	56-55-3	Benzo(a)anthracene	5.4	U	U	5.4	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	218-01-9	Chrysene	5.4	U	U	5.4	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	5.4	U	U	5.4	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	117-84-0	Di-n-octyl phthalate	11	U	U	11	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	205-99-2	Benzo(b)fluoranthene	5.4	U	U	5.4	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	207-08-9	Benzo(k)fluoranthene	5.4	U	U	5.4	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	50-32-8	Benzo(a)pyrene	5.4	U	U	5.4	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	5.4	U	U	5.4	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	5.4	U	U	5.4	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	191-24-2	Benzo(g,h,i)perylene	5.4	U	U	5.4	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	5.4	U	U	5.4	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	000057-10-3	n-Hexadecanoic acid	2.3	JN	JN		ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	E966796	Total Alkanes		N	N		ug/L	6100-SW26
SLCS733		04/15/2021	1.0	E966796	Total Alkanes		N	N		ug/L	
SLCS733		04/15/2021	1.0	123-91-1	1,4-Dioxane	13			2.0	ug/L	
SLCS733		04/15/2021	1.0	100-52-7	Benzaldehyde	36			10	ug/L	
SLCS733		04/15/2021	1.0	108-95-2	Phenol	34			10	ug/L	
SLCS733		04/15/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	33			10	ug/L	
SLCS733		04/15/2021	1.0	95-57-8	2-Chlorophenol	35			5.0	ug/L	
SLCS733		04/15/2021	1.0	95-48-7	2-Methylphenol	34			10	ug/L	
SLCS733		04/15/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	33			10	ug/L	
SLCS733		04/15/2021	1.0	98-86-2	Acetophenone	34			10	ug/L	
SLCS733		04/15/2021	1.0	106-44-5	4-Methylphenol	34			10	ug/L	
SLCS733		04/15/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	35			5.0	ug/L	
SLCS733		04/15/2021	1.0	67-72-1	Hexachloroethane	35			5.0	ug/L	
SLCS733		04/15/2021	1.0	98-95-3	Nitrobenzene	35			5.0	ug/L	
SLCS733		04/15/2021	1.0	78-59-1	Isophorone	36			5.0	ug/L	
SLCS733		04/15/2021	1.0	88-75-5	2-Nitrophenol	37			5.0	ug/L	
SLCS733		04/15/2021	1.0	105-67-9	2,4-Dimethylphenol	35			5.0	ug/L	
SLCS733		04/15/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	34			5.0	ug/L	
SLCS733		04/15/2021	1.0	120-83-2	2,4-Dichlorophenol	36			5.0	ug/L	
SLCS733		04/15/2021	1.0	91-20-3	Naphthalene	34			5.0	ug/L	
SLCS733		04/15/2021	1.0	106-47-8	4-Chloroaniline	29			10	ug/L	
SLCS733		04/15/2021	1.0	87-68-3	Hexachlorobutadiene	35			5.0	ug/L	
SLCS733		04/15/2021	1.0	105-60-2	Caprolactam	37			10	ug/L	
SLCS733		04/15/2021	1.0	59-50-7	4-Chloro-3-methylphenol	37			5.0	ug/L	
SLCS733		04/15/2021	1.0	90-12-0	1-Methylnaphthalene	34			5.0	ug/L	
SLCS733		04/15/2021	1.0	91-57-6	2-Methylnaphthalene	35			5.0	ug/L	
SLCS733		04/15/2021	1.0	77-47-4	Hexachlorocyclopentadiene	32			10	ug/L	
SLCS733		04/15/2021	1.0	88-06-2	2,4,6-Trichlorophenol	36			5.0	ug/L	
SLCS733		04/15/2021	1.0	95-95-4	2,4,5-Trichlorophenol	36			5.0	ug/L	
SLCS733		04/15/2021	1.0	92-52-4	1,1-Biphenyl	33			5.0	ug/L	
SLCS733		04/15/2021	1.0	91-58-7	2-Chloronaphthalene	34			5.0	ug/L	
SLCS733		04/15/2021	1.0	88-74-4	2-Nitroaniline	38			5.0	ug/L	
SLCS733		04/15/2021	1.0	131-11-3	Dimethylphthalate	36			5.0	ug/L	
SLCS733		04/15/2021	1.0	606-20-2	2,6-Dinitrotoluene	40			5.0	ug/L	
SLCS733		04/15/2021	1.0	208-96-8	Acenaphthylene	34			5.0	ug/L	
SLCS733		04/15/2021	1.0	99-09-2	3-Nitroaniline	32			10	ug/L	
SLCS733		04/15/2021	1.0	83-32-9	Acenaphthene	34			5.0	ug/L	
SLCS733		04/15/2021	1.0	51-28-5	2,4-Dinitrophenol	33			10	ug/L	
SLCS733		04/15/2021	1.0	100-02-7	4-Nitrophenol	35			10	ug/L	
SLCS733		04/15/2021	1.0	132-64-9	Dibenzofuran	34			5.0	ug/L	

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
SLCS733		04/15/2021	1.0	121-14-2	2,4-Dinitrotoluene	41			5.0	ug/L	
SLCS733		04/15/2021	1.0	84-66-2	Diethylphthalate	36			5.0	ug/L	
SLCS733		04/15/2021	1.0	86-73-7	Fluorene	36			5.0	ug/L	
SLCS733		04/15/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	36			5.0	ug/L	
SLCS733		04/15/2021	1.0	100-01-6	4-Nitroaniline	38			10	ug/L	
SLCS733		04/15/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	37			10	ug/L	
SLCS733		04/15/2021	1.0	86-30-6	N-Nitrosodiphenylamine	37			5.0	ug/L	
SLCS733		04/15/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	34			5.0	ug/L	
SLCS733		04/15/2021	1.0	101-55-3	4-Bromophenyl-phenylether	38			5.0	ug/L	
SLCS733		04/15/2021	1.0	118-74-1	Hexachlorobenzene	38			5.0	ug/L	
SLCS733		04/15/2021	1.0	1912-24-9	Atrazine	37			10	ug/L	
SLCS733		04/15/2021	1.0	87-86-5	Pentachlorophenol	36			10	ug/L	
SLCS733		04/15/2021	1.0	85-01-8	Phenanthrene	37			5.0	ug/L	
SLCS733		04/15/2021	1.0	120-12-7	Anthracene	37			5.0	ug/L	
SLCS733		04/15/2021	1.0	86-74-8	Carbazole	37			10	ug/L	
SLCS733		04/15/2021	1.0	84-74-2	Di-n-butylphthalate	41			5.0	ug/L	
SLCS733		04/15/2021	1.0	206-44-0	Fluoranthene	39			5.0	ug/L	
SLCS733		04/15/2021	1.0	129-00-0	Pyrene	38			5.0	ug/L	
SLCS733		04/15/2021	1.0	85-68-7	Butylbenzylphthalate	43			5.0	ug/L	
SLCS733		04/15/2021	1.0	91-94-1	3,3-Dichlorobenzidine	39			10	ug/L	
SLCS733		04/15/2021	1.0	56-55-3	Benzo(a)anthracene	39			5.0	ug/L	
SLCS733		04/15/2021	1.0	218-01-9	Chrysene	40			5.0	ug/L	
SLCS733		04/15/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	43			5.0	ug/L	
SLCS733		04/15/2021	1.0	117-84-0	Di-n-octyl phthalate	38			10	ug/L	
SLCS733		04/15/2021	1.0	205-99-2	Benzo(b)fluoranthene	37			5.0	ug/L	
SLCS733		04/15/2021	1.0	207-08-9	Benzo(k)fluoranthene	38			5.0	ug/L	
SLCS733		04/15/2021	1.0	50-32-8	Benzo(a)pyrene	37			5.0	ug/L	
SLCS733		04/15/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	37			5.0	ug/L	
SLCS733		04/15/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	38			5.0	ug/L	
SLCS733		04/15/2021	1.0	191-24-2	Benzo(g,h,i)perylene	37			5.0	ug/L	
SLCS733		04/15/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	37			5.0	ug/L	
SLCS757		04/15/2021	1.0	E966796	Total Alkanes		N	N		ug/L	
SLCS757		04/15/2021	1.0	123-91-1	1,4-Dioxane	11			2.0	ug/L	
SLCS757		04/15/2021	1.0	100-52-7	Benzaldehyde	33			10	ug/L	
SLCS757		04/15/2021	1.0	108-95-2	Phenol	31			10	ug/L	
SLCS757		04/15/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	30			10	ug/L	
SLCS757		04/15/2021	1.0	95-57-8	2-Chlorophenol	32			5.0	ug/L	
SLCS757		04/15/2021	1.0	95-48-7	2-Methylphenol	31			10	ug/L	
SLCS757		04/15/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	31			10	ug/L	
SLCS757		04/15/2021	1.0	98-86-2	Acetophenone	31			10	ug/L	
SLCS757		04/15/2021	1.0	106-44-5	4-Methylphenol	31			10	ug/L	
SLCS757		04/15/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	33			5.0	ug/L	
SLCS757		04/15/2021	1.0	67-72-1	Hexachloroethane	31			5.0	ug/L	
SLCS757		04/15/2021	1.0	98-95-3	Nitrobenzene	32			5.0	ug/L	
SLCS757		04/15/2021	1.0	78-59-1	Isophorone	33			5.0	ug/L	
SLCS757		04/15/2021	1.0	88-75-5	2-Nitrophenol	33			5.0	ug/L	
SLCS757		04/15/2021	1.0	105-67-9	2,4-Dimethylphenol	32			5.0	ug/L	
SLCS757		04/15/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	31			5.0	ug/L	
SLCS757		04/15/2021	1.0	120-83-2	2,4-Dichlorophenol	32			5.0	ug/L	
SLCS757		04/15/2021	1.0	91-20-3	Naphthalene	31			5.0	ug/L	
SLCS757		04/15/2021	1.0	106-47-8	4-Chloroaniline	27			10	ug/L	
SLCS757		04/15/2021	1.0	87-68-3	Hexachlorobutadiene	31			5.0	ug/L	
SLCS757		04/15/2021	1.0	105-60-2	Caprolactam	33			10	ug/L	
SLCS757		04/15/2021	1.0	59-50-7	4-Chloro-3-methylphenol	33			5.0	ug/L	
SLCS757		04/15/2021	1.0	90-12-0	1-Methylnaphthalene	31			5.0	ug/L	
SLCS757		04/15/2021	1.0	91-57-6	2-Methylnaphthalene	32			5.0	ug/L	
SLCS757		04/15/2021	1.0	77-47-4	Hexachlorocyclopentadiene	27			10	ug/L	
SLCS757		04/15/2021	1.0	88-06-2	2,4,6-Trichlorophenol	32			5.0	ug/L	
SLCS757		04/15/2021	1.0	95-95-4	2,4,5-Trichlorophenol	32			5.0	ug/L	
SLCS757		04/15/2021	1.0	92-52-4	1,1-Biphenyl	31			5.0	ug/L	
SLCS757		04/15/2021	1.0	91-58-7	2-Chloronaphthalene	30			5.0	ug/L	
SLCS757		04/15/2021	1.0	88-74-4	2-Nitroaniline	34			5.0	ug/L	
SLCS757		04/15/2021	1.0	131-11-3	Dimethylphthalate	32			5.0	ug/L	
SLCS757		04/15/2021	1.0	606-20-2	2,6-Dinitrotoluene	36			5.0	ug/L	
SLCS757		04/15/2021	1.0	208-96-8	Acenaphthylene	32			5.0	ug/L	
SLCS757		04/15/2021	1.0	99-09-2	3-Nitroaniline	29			10	ug/L	
SLCS757		04/15/2021	1.0	83-32-9	Acenaphthene	31			5.0	ug/L	
SLCS757		04/15/2021	1.0	51-28-5	2,4-Dinitrophenol	28			10	ug/L	
SLCS757		04/15/2021	1.0	100-02-7	4-Nitrophenol	32			10	ug/L	
SLCS757		04/15/2021	1.0	132-64-9	Dibenzofuran	31			5.0	ug/L	
SLCS757		04/15/2021	1.0	121-14-2	2,4-Dinitrotoluene	37			5.0	ug/L	

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
SLCS757		04/15/2021	1.0	84-66-2	Diethylphthalate	32			5.0	ug/L	
SLCS757		04/15/2021	1.0	86-73-7	Fluorene	32			5.0	ug/L	
SLCS757		04/15/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	33			5.0	ug/L	
SLCS757		04/15/2021	1.0	100-01-6	4-Nitroaniline	33			10	ug/L	
SLCS757		04/15/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	32			10	ug/L	
SLCS757		04/15/2021	1.0	86-30-6	N-Nitrosodiphenylamine	34			5.0	ug/L	
SLCS757		04/15/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	30			5.0	ug/L	
SLCS757		04/15/2021	1.0	101-55-3	4-Bromophenyl-phenylether	34			5.0	ug/L	
SLCS757		04/15/2021	1.0	118-74-1	Hexachlorobenzene	32			5.0	ug/L	
SLCS757		04/15/2021	1.0	1912-24-9	Atrazine	32			10	ug/L	
SLCS757		04/15/2021	1.0	87-86-5	Pentachlorophenol	31			10	ug/L	
SLCS757		04/15/2021	1.0	85-01-8	Phenanthrene	33			5.0	ug/L	
SLCS757		04/15/2021	1.0	120-12-7	Anthracene	33			5.0	ug/L	
SLCS757		04/15/2021	1.0	86-74-8	Carbazole	32			10	ug/L	
SLCS757		04/15/2021	1.0	84-74-2	Di-n-butylphthalate	35			5.0	ug/L	
SLCS757		04/15/2021	1.0	206-44-0	Fluoranthene	34			5.0	ug/L	
SLCS757		04/15/2021	1.0	129-00-0	Pyrene	33			5.0	ug/L	
SLCS757		04/15/2021	1.0	85-68-7	Butylbenzylphthalate	37			5.0	ug/L	
SLCS757		04/15/2021	1.0	91-94-1	3,3-Dichlorobenzidine	34			10	ug/L	
SLCS757		04/15/2021	1.0	56-55-3	Benzo(a)anthracene	34			5.0	ug/L	
SLCS757		04/15/2021	1.0	218-01-9	Chrysene	34			5.0	ug/L	
SLCS757		04/15/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	37			5.0	ug/L	
SLCS757		04/15/2021	1.0	117-84-0	Di-n-octyl phthalate	35			10	ug/L	
SLCS757		04/15/2021	1.0	205-99-2	Benzo(b)fluoranthene	34			5.0	ug/L	
SLCS757		04/15/2021	1.0	207-08-9	Benzo(k)fluoranthene	33			5.0	ug/L	
SLCS757		04/15/2021	1.0	50-32-8	Benzo(a)pyrene	34			5.0	ug/L	
SLCS757		04/15/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	35			5.0	ug/L	
SLCS757		04/15/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	35			5.0	ug/L	
SLCS757		04/15/2021	1.0	191-24-2	Benzo(g,h,i)perylene	35			5.0	ug/L	
SLCS757		04/15/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	34			5.0	ug/L	
SLCS824		04/23/2021	1.0	E966796	Total Alkanes		N	N		ug/L	
SLCS824		04/23/2021	1.0	123-91-1	1,4-Dioxane	9.9			2.0	ug/L	
SLCS824		04/23/2021	1.0	100-52-7	Benzaldehyde	36			10	ug/L	
SLCS824		04/23/2021	1.0	108-95-2	Phenol	30			10	ug/L	
SLCS824		04/23/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	31			10	ug/L	
SLCS824		04/23/2021	1.0	95-57-8	2-Chlorophenol	31			5.0	ug/L	
SLCS824		04/23/2021	1.0	95-48-7	2-Methylphenol	31			10	ug/L	
SLCS824		04/23/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	32			10	ug/L	
SLCS824		04/23/2021	1.0	98-86-2	Acetophenone	33			10	ug/L	
SLCS824		04/23/2021	1.0	106-44-5	4-Methylphenol	31			10	ug/L	
SLCS824		04/23/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	35			5.0	ug/L	
SLCS824		04/23/2021	1.0	67-72-1	Hexachloroethane	33			5.0	ug/L	
SLCS824		04/23/2021	1.0	98-95-3	Nitrobenzene	33			5.0	ug/L	
SLCS824		04/23/2021	1.0	78-59-1	Isophorone	36			5.0	ug/L	
SLCS824		04/23/2021	1.0	88-75-5	2-Nitrophenol	32			5.0	ug/L	
SLCS824		04/23/2021	1.0	105-67-9	2,4-Dimethylphenol	30			5.0	ug/L	
SLCS824		04/23/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	33			5.0	ug/L	
SLCS824		04/23/2021	1.0	120-83-2	2,4-Dichlorophenol	32			5.0	ug/L	
SLCS824		04/23/2021	1.0	91-20-3	Naphthalene	32			5.0	ug/L	
SLCS824		04/23/2021	1.0	106-47-8	4-Chloroaniline	29			10	ug/L	
SLCS824		04/23/2021	1.0	87-68-3	Hexachlorobutadiene	32			5.0	ug/L	
SLCS824		04/23/2021	1.0	105-60-2	Caprolactam	34			10	ug/L	
SLCS824		04/23/2021	1.0	59-50-7	4-Chloro-3-methylphenol	34			5.0	ug/L	
SLCS824		04/23/2021	1.0	90-12-0	1-Methylnaphthalene	32			5.0	ug/L	
SLCS824		04/23/2021	1.0	91-57-6	2-Methylnaphthalene	34			5.0	ug/L	
SLCS824		04/23/2021	1.0	77-47-4	Hexachlorocyclopentadiene	31			10	ug/L	
SLCS824		04/23/2021	1.0	88-06-2	2,4,6-Trichlorophenol	33			5.0	ug/L	
SLCS824		04/23/2021	1.0	95-95-4	2,4,5-Trichlorophenol	34			5.0	ug/L	
SLCS824		04/23/2021	1.0	92-52-4	1,1-Biphenyl	34			5.0	ug/L	
SLCS824		04/23/2021	1.0	91-58-7	2-Chloronaphthalene	33			5.0	ug/L	
SLCS824		04/23/2021	1.0	88-74-4	2-Nitroaniline	38			5.0	ug/L	
SLCS824		04/23/2021	1.0	131-11-3	Dimethylphthalate	36			5.0	ug/L	
SLCS824		04/23/2021	1.0	606-20-2	2,6-Dinitrotoluene	41			5.0	ug/L	
SLCS824		04/23/2021	1.0	208-96-8	Acenaphthylene	35			5.0	ug/L	
SLCS824		04/23/2021	1.0	99-09-2	3-Nitroaniline	31			10	ug/L	
SLCS824		04/23/2021	1.0	83-32-9	Acenaphthene	35			5.0	ug/L	
SLCS824		04/23/2021	1.0	51-28-5	2,4-Dinitrophenol	27			10	ug/L	
SLCS824		04/23/2021	1.0	100-02-7	4-Nitrophenol	32			10	ug/L	
SLCS824		04/23/2021	1.0	132-64-9	Dibenzofuran	35			5.0	ug/L	
SLCS824		04/23/2021	1.0	121-14-2	2,4-Dinitrotoluene	41			5.0	ug/L	
SLCS824		04/23/2021	1.0	84-66-2	Diethylphthalate	35			5.0	ug/L	

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
SLCS824		04/23/2021	1.0	86-73-7	Fluorene	36			5.0	ug/L	
SLCS824		04/23/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	36			5.0	ug/L	
SLCS824		04/23/2021	1.0	100-01-6	4-Nitroaniline	35			10	ug/L	
SLCS824		04/23/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	31			10	ug/L	
SLCS824		04/23/2021	1.0	86-30-6	N-Nitrosodiphenylamine	35			5.0	ug/L	
SLCS824		04/23/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	33			5.0	ug/L	
SLCS824		04/23/2021	1.0	101-55-3	4-Bromophenyl-phenylether	37			5.0	ug/L	
SLCS824		04/23/2021	1.0	118-74-1	Hexachlorobenzene	37			5.0	ug/L	
SLCS824		04/23/2021	1.0	1912-24-9	Atrazine	33			10	ug/L	
SLCS824		04/23/2021	1.0	87-86-5	Pentachlorophenol	31			10	ug/L	
SLCS824		04/23/2021	1.0	85-01-8	Phenanthrene	35			5.0	ug/L	
SLCS824		04/23/2021	1.0	120-12-7	Anthracene	36			5.0	ug/L	
SLCS824		04/23/2021	1.0	86-74-8	Carbazole	34			10	ug/L	
SLCS824		04/23/2021	1.0	84-74-2	Di-n-butylphthalate	36			5.0	ug/L	
SLCS824		04/23/2021	1.0	206-44-0	Fluoranthene	36			5.0	ug/L	
SLCS824		04/23/2021	1.0	129-00-0	Pyrene	36			5.0	ug/L	
SLCS824		04/23/2021	1.0	85-68-7	Butylbenzylphthalate	35			5.0	ug/L	
SLCS824		04/23/2021	1.0	91-94-1	3,3-Dichlorobenzidine	32			10	ug/L	
SLCS824		04/23/2021	1.0	56-55-3	Benzo(a)anthracene	36			5.0	ug/L	
SLCS824		04/23/2021	1.0	218-01-9	Chrysene	36			5.0	ug/L	
SLCS824		04/23/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	36			5.0	ug/L	
SLCS824		04/23/2021	1.0	117-84-0	Di-n-octyl phthalate	32			10	ug/L	
SLCS824		04/23/2021	1.0	205-99-2	Benzo(b)fluoranthene	34			5.0	ug/L	
SLCS824		04/23/2021	1.0	207-08-9	Benzo(k)fluoranthene	36			5.0	ug/L	
SLCS824		04/23/2021	1.0	50-32-8	Benzo(a)pyrene	35			5.0	ug/L	
SLCS824		04/23/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	35			5.0	ug/L	
SLCS824		04/23/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	35			5.0	ug/L	
SLCS824		04/23/2021	1.0	191-24-2	Benzo(g,h,i)perylene	36			5.0	ug/L	
SLCS824		04/23/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	35			5.0	ug/L	
SBLK733		04/15/2021	1.0	123-91-1	1,4-Dioxane	2.0	U	U	2.0	ug/L	
SBLK733		04/15/2021	1.0	100-52-7	Benzaldehyde	10	U	U	10	ug/L	
SBLK733		04/15/2021	1.0	108-95-2	Phenol	10	U	U	10	ug/L	
SBLK733		04/15/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	10	U	U	10	ug/L	
SBLK733		04/15/2021	1.0	95-57-8	2-Chlorophenol	5.0	U	U	5.0	ug/L	
SBLK733		04/15/2021	1.0	95-48-7	2-Methylphenol	10	U	U	10	ug/L	
SBLK733		04/15/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	10	U	U	10	ug/L	
SBLK733		04/15/2021	1.0	98-86-2	Acetophenone	10	U	U	10	ug/L	
SBLK733		04/15/2021	1.0	106-44-5	4-Methylphenol	10	U	U	10	ug/L	
SBLK733		04/15/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	5.0	U	U	5.0	ug/L	
SBLK733		04/15/2021	1.0	67-72-1	Hexachloroethane	5.0	U	U	5.0	ug/L	
SBLK733		04/15/2021	1.0	98-95-3	Nitrobenzene	5.0	U	U	5.0	ug/L	
SBLK733		04/15/2021	1.0	78-59-1	Isophorone	5.0	U	U	5.0	ug/L	
SBLK733		04/15/2021	1.0	88-75-5	2-Nitrophenol	5.0	U	U	5.0	ug/L	
SBLK733		04/15/2021	1.0	105-67-9	2,4-Dimethylphenol	5.0	U	U	5.0	ug/L	
SBLK733		04/15/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	5.0	U	U	5.0	ug/L	
SBLK733		04/15/2021	1.0	120-83-2	2,4-Dichlorophenol	5.0	U	U	5.0	ug/L	
SBLK733		04/15/2021	1.0	91-20-3	Naphthalene	5.0	U	U	5.0	ug/L	
SBLK733		04/15/2021	1.0	106-47-8	4-Chloroaniline	10	U	U	10	ug/L	
SBLK733		04/15/2021	1.0	87-68-3	Hexachlorobutadiene	5.0	U	U	5.0	ug/L	
SBLK733		04/15/2021	1.0	105-60-2	Caprolactam	10	U	U	10	ug/L	
SBLK733		04/15/2021	1.0	59-50-7	4-Chloro-3-methylphenol	5.0	U	U	5.0	ug/L	
SBLK733		04/15/2021	1.0	90-12-0	1-Methylnaphthalene	5.0	U	U	5.0	ug/L	
SBLK733		04/15/2021	1.0	91-57-6	2-Methylnaphthalene	5.0	U	U	5.0	ug/L	
SBLK733		04/15/2021	1.0	77-47-4	Hexachlorocyclopentadiene	10	U	U	10	ug/L	
SBLK733		04/15/2021	1.0	88-06-2	2,4,6-Trichlorophenol	5.0	U	U	5.0	ug/L	
SBLK733		04/15/2021	1.0	95-95-4	2,4,5-Trichlorophenol	5.0	U	U	5.0	ug/L	
SBLK733		04/15/2021	1.0	92-52-4	1,1-Biphenyl	5.0	U	U	5.0	ug/L	
SBLK733		04/15/2021	1.0	91-58-7	2-Chloronaphthalene	5.0	U	U	5.0	ug/L	
SBLK733		04/15/2021	1.0	88-74-4	2-Nitroaniline	5.0	U	U	5.0	ug/L	
SBLK733		04/15/2021	1.0	131-11-3	Dimethylphthalate	5.0	U	U	5.0	ug/L	
SBLK733		04/15/2021	1.0	606-20-2	2,6-Dinitrotoluene	5.0	U	U	5.0	ug/L	
SBLK733		04/15/2021	1.0	208-96-8	Acenaphthylene	5.0	U	U	5.0	ug/L	
SBLK733		04/15/2021	1.0	99-09-2	3-Nitroaniline	10	U	U	10	ug/L	
SBLK733		04/15/2021	1.0	83-32-9	Acenaphthene	5.0	U	U	5.0	ug/L	
SBLK733		04/15/2021	1.0	51-28-5	2,4-Dinitrophenol	10	U	U	10	ug/L	
SBLK733		04/15/2021	1.0	100-02-7	4-Nitrophenol	10	U	U	10	ug/L	
SBLK733		04/15/2021	1.0	132-64-9	Dibenzofuran	5.0	U	U	5.0	ug/L	
SBLK733		04/15/2021	1.0	121-14-2	2,4-Dinitrotoluene	5.0	U	U	5.0	ug/L	
SBLK733		04/15/2021	1.0	84-66-2	Diethylphthalate	5.0	U	U	5.0	ug/L	
SBLK733		04/15/2021	1.0	86-73-7	Fluorene	5.0	U	U	5.0	ug/L	
SBLK733		04/15/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	5.0	U	U	5.0	ug/L	

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
SBLK733		04/15/2021	1.0	100-01-6	4-Nitroaniline	10	U	U	10	ug/L	
SBLK733		04/15/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	10	U	U	10	ug/L	
SBLK733		04/15/2021	1.0	86-30-6	N-Nitrosodiphenylamine	5.0	U	U	5.0	ug/L	
SBLK733		04/15/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U	U	5.0	ug/L	
SBLK733		04/15/2021	1.0	101-55-3	4-Bromophenyl-phenylether	5.0	U	U	5.0	ug/L	
SBLK733		04/15/2021	1.0	118-74-1	Hexachlorobenzene	5.0	U	U	5.0	ug/L	
SBLK733		04/15/2021	1.0	1912-24-9	Atrazine	10	U	U	10	ug/L	
SBLK733		04/15/2021	1.0	87-86-5	Pentachlorophenol	10	U	U	10	ug/L	
SBLK733		04/15/2021	1.0	85-01-8	Phenanthrene	5.0	U	U	5.0	ug/L	
SBLK733		04/15/2021	1.0	120-12-7	Anthracene	5.0	U	U	5.0	ug/L	
SBLK733		04/15/2021	1.0	86-74-8	Carbazole	10	U	U	10	ug/L	
SBLK733		04/15/2021	1.0	84-74-2	Di-n-butylphthalate	5.0	U	U	5.0	ug/L	
SBLK733		04/15/2021	1.0	206-44-0	Fluoranthene	5.0	U	U	5.0	ug/L	
SBLK733		04/15/2021	1.0	129-00-0	Pyrene	5.0	U	U	5.0	ug/L	
SBLK733		04/15/2021	1.0	85-68-7	Butylbenzylphthalate	5.0	U	U	5.0	ug/L	
SBLK733		04/15/2021	1.0	91-94-1	3,3-Dichlorobenzidine	10	U	U	10	ug/L	
SBLK733		04/15/2021	1.0	56-55-3	Benzo(a)anthracene	5.0	U	U	5.0	ug/L	
SBLK733		04/15/2021	1.0	218-01-9	Chrysene	5.0	U	U	5.0	ug/L	
SBLK733		04/15/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U	U	5.0	ug/L	
SBLK733		04/15/2021	1.0	117-84-0	Di-n-octyl phthalate	10	U	U	10	ug/L	
SBLK733		04/15/2021	1.0	205-99-2	Benzo(b)fluoranthene	5.0	U	U	5.0	ug/L	
SBLK733		04/15/2021	1.0	207-08-9	Benzo(k)fluoranthene	5.0	U	U	5.0	ug/L	
SBLK733		04/15/2021	1.0	50-32-8	Benzo(a)pyrene	5.0	U	U	5.0	ug/L	
SBLK733		04/15/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U	U	5.0	ug/L	
SBLK733		04/15/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	5.0	U	U	5.0	ug/L	
SBLK733		04/15/2021	1.0	191-24-2	Benzo(g,h,i)perylene	5.0	U	U	5.0	ug/L	
SBLK733		04/15/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	5.0	U	U	5.0	ug/L	
SBLK733		04/15/2021	1.0	E966796	Total Alkanes		N	N		ug/L	
SBLK757		04/15/2021	1.0	123-91-1	1,4-Dioxane	2.0	U	U	2.0	ug/L	
SBLK757		04/15/2021	1.0	100-52-7	Benzaldehyde	10	U	U	10	ug/L	
SBLK757		04/15/2021	1.0	108-95-2	Phenol	10	U	U	10	ug/L	
SBLK757		04/15/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	10	U	U	10	ug/L	
SBLK757		04/15/2021	1.0	95-57-8	2-Chlorophenol	5.0	U	U	5.0	ug/L	
SBLK757		04/15/2021	1.0	95-48-7	2-Methylphenol	10	U	U	10	ug/L	
SBLK757		04/15/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	10	U	U	10	ug/L	
SBLK757		04/15/2021	1.0	98-86-2	Acetophenone	10	U	U	10	ug/L	
SBLK757		04/15/2021	1.0	106-44-5	4-Methylphenol	10	U	U	10	ug/L	
SBLK757		04/15/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	5.0	U	U	5.0	ug/L	
SBLK757		04/15/2021	1.0	67-72-1	Hexachloroethane	5.0	U	U	5.0	ug/L	
SBLK757		04/15/2021	1.0	98-95-3	Nitrobenzene	5.0	U	U	5.0	ug/L	
SBLK757		04/15/2021	1.0	78-59-1	Isophorone	5.0	U	U	5.0	ug/L	
SBLK757		04/15/2021	1.0	88-75-5	2-Nitrophenol	5.0	U	U	5.0	ug/L	
SBLK757		04/15/2021	1.0	105-67-9	2,4-Dimethylphenol	5.0	U	U	5.0	ug/L	
SBLK757		04/15/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	5.0	U	U	5.0	ug/L	
SBLK757		04/15/2021	1.0	120-83-2	2,4-Dichlorophenol	5.0	U	U	5.0	ug/L	
SBLK757		04/15/2021	1.0	91-20-3	Naphthalene	5.0	U	U	5.0	ug/L	
SBLK757		04/15/2021	1.0	106-47-8	4-Chloroaniline	10	U	U	10	ug/L	
SBLK757		04/15/2021	1.0	87-68-3	Hexachlorobutadiene	5.0	U	U	5.0	ug/L	
SBLK757		04/15/2021	1.0	105-60-2	Caprolactam	10	U	U	10	ug/L	
SBLK757		04/15/2021	1.0	59-50-7	4-Chloro-3-methylphenol	5.0	U	U	5.0	ug/L	
SBLK757		04/15/2021	1.0	90-12-0	1-Methylnaphthalene	5.0	U	U	5.0	ug/L	
SBLK757		04/15/2021	1.0	91-57-6	2-Methylnaphthalene	5.0	U	U	5.0	ug/L	
SBLK757		04/15/2021	1.0	77-47-4	Hexachlorocyclopentadiene	10	U	U	10	ug/L	
SBLK757		04/15/2021	1.0	88-06-2	2,4,6-Trichlorophenol	5.0	U	U	5.0	ug/L	
SBLK757		04/15/2021	1.0	95-95-4	2,4,5-Trichlorophenol	5.0	U	U	5.0	ug/L	
SBLK757		04/15/2021	1.0	92-52-4	1,1-Biphenyl	5.0	U	U	5.0	ug/L	
SBLK757		04/15/2021	1.0	91-58-7	2-Chloronaphthalene	5.0	U	U	5.0	ug/L	
SBLK757		04/15/2021	1.0	88-74-4	2-Nitroaniline	5.0	U	U	5.0	ug/L	
SBLK757		04/15/2021	1.0	131-11-3	Dimethylphthalate	5.0	U	U	5.0	ug/L	
SBLK757		04/15/2021	1.0	606-20-2	2,6-Dinitrotoluene	5.0	U	U	5.0	ug/L	
SBLK757		04/15/2021	1.0	208-96-8	Acenaphthylene	5.0	U	U	5.0	ug/L	
SBLK757		04/15/2021	1.0	99-09-2	3-Nitroaniline	10	U	U	10	ug/L	
SBLK757		04/15/2021	1.0	83-32-9	Acenaphthene	5.0	U	U	5.0	ug/L	
SBLK757		04/15/2021	1.0	51-28-5	2,4-Dinitrophenol	10	U	U	10	ug/L	
SBLK757		04/15/2021	1.0	100-02-7	4-Nitrophenol	10	U	U	10	ug/L	
SBLK757		04/15/2021	1.0	132-64-9	Dibenzofuran	5.0	U	U	5.0	ug/L	
SBLK757		04/15/2021	1.0	121-14-2	2,4-Dinitrotoluene	5.0	U	U	5.0	ug/L	
SBLK757		04/15/2021	1.0	84-66-2	Diethylphthalate	5.0	U	U	5.0	ug/L	
SBLK757		04/15/2021	1.0	86-73-7	Fluorene	5.0	U	U	5.0	ug/L	
SBLK757		04/15/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	5.0	U	U	5.0	ug/L	
SBLK757		04/15/2021	1.0	100-01-6	4-Nitroaniline	10	U	U	10	ug/L	

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
SBLK757		04/15/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	10	U	U	10	ug/L	
SBLK757		04/15/2021	1.0	86-30-6	N-Nitrosodiphenylamine	5.0	U	U	5.0	ug/L	
SBLK757		04/15/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U	U	5.0	ug/L	
SBLK757		04/15/2021	1.0	101-55-3	4-Bromophenyl-phenylether	5.0	U	U	5.0	ug/L	
SBLK757		04/15/2021	1.0	118-74-1	Hexachlorobenzene	5.0	U	U	5.0	ug/L	
SBLK757		04/15/2021	1.0	1912-24-9	Atrazine	10	U	U	10	ug/L	
SBLK757		04/15/2021	1.0	87-86-5	Pentachlorophenol	10	U	U	10	ug/L	
SBLK757		04/15/2021	1.0	85-01-8	Phenanthrene	5.0	U	U	5.0	ug/L	
SBLK757		04/15/2021	1.0	120-12-7	Anthracene	5.0	U	U	5.0	ug/L	
SBLK757		04/15/2021	1.0	86-74-8	Carbazole	10	U	U	10	ug/L	
SBLK757		04/15/2021	1.0	84-74-2	Di-n-butylphthalate	5.0	U	U	5.0	ug/L	
SBLK757		04/15/2021	1.0	206-44-0	Fluoranthene	5.0	U	U	5.0	ug/L	
SBLK757		04/15/2021	1.0	129-00-0	Pyrene	5.0	U	U	5.0	ug/L	
SBLK757		04/15/2021	1.0	85-68-7	Butylbenzylphthalate	5.0	U	U	5.0	ug/L	
SBLK757		04/15/2021	1.0	91-94-1	3,3-Dichlorobenzidine	10	U	U	10	ug/L	
SBLK757		04/15/2021	1.0	56-55-3	Benzo(a)anthracene	5.0	U	U	5.0	ug/L	
SBLK757		04/15/2021	1.0	218-01-9	Chrysene	5.0	U	U	5.0	ug/L	
SBLK757		04/15/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U	U	5.0	ug/L	
SBLK757		04/15/2021	1.0	117-84-0	Di-n-octyl phthalate	10	U	U	10	ug/L	
SBLK757		04/15/2021	1.0	205-99-2	Benzo(b)fluoranthene	5.0	U	U	5.0	ug/L	
SBLK757		04/15/2021	1.0	207-08-9	Benzo(k)fluoranthene	5.0	U	U	5.0	ug/L	
SBLK757		04/15/2021	1.0	50-32-8	Benzo(a)pyrene	5.0	U	U	5.0	ug/L	
SBLK757		04/15/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U	U	5.0	ug/L	
SBLK757		04/15/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	5.0	U	U	5.0	ug/L	
SBLK757		04/15/2021	1.0	191-24-2	Benzo(g,h,i)perylene	5.0	U	U	5.0	ug/L	
SBLK757		04/15/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	5.0	U	U	5.0	ug/L	
SBLK757		04/15/2021	1.0	E966796	Total Alkanes		N	N		ug/L	
SBLK824		04/23/2021	1.0	123-91-1	1,4-Dioxane	2.0	U	U	2.0	ug/L	
SBLK824		04/23/2021	1.0	100-52-7	Benzaldehyde	10	U	U	10	ug/L	
SBLK824		04/23/2021	1.0	108-95-2	Phenol	10	U	U	10	ug/L	
SBLK824		04/23/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	10	U	U	10	ug/L	
SBLK824		04/23/2021	1.0	95-57-8	2-Chlorophenol	5.0	U	U	5.0	ug/L	
SBLK824		04/23/2021	1.0	95-48-7	2-Methylphenol	10	U	U	10	ug/L	
SBLK824		04/23/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	10	U	U	10	ug/L	
SBLK824		04/23/2021	1.0	98-86-2	Acetophenone	10	U	U	10	ug/L	
SBLK824		04/23/2021	1.0	106-44-5	4-Methylphenol	10	U	U	10	ug/L	
SBLK824		04/23/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	5.0	U	U	5.0	ug/L	
SBLK824		04/23/2021	1.0	67-72-1	Hexachloroethane	5.0	U	U	5.0	ug/L	
SBLK824		04/23/2021	1.0	98-95-3	Nitrobenzene	5.0	U	U	5.0	ug/L	
SBLK824		04/23/2021	1.0	78-59-1	Isophorone	5.0	U	U	5.0	ug/L	
SBLK824		04/23/2021	1.0	88-75-5	2-Nitrophenol	5.0	U	U	5.0	ug/L	
SBLK824		04/23/2021	1.0	105-67-9	2,4-Dimethylphenol	5.0	U	U	5.0	ug/L	
SBLK824		04/23/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	5.0	U	U	5.0	ug/L	
SBLK824		04/23/2021	1.0	120-83-2	2,4-Dichlorophenol	5.0	U	U	5.0	ug/L	
SBLK824		04/23/2021	1.0	91-20-3	Naphthalene	5.0	U	U	5.0	ug/L	
SBLK824		04/23/2021	1.0	106-47-8	4-Chloroaniline	10	U	U	10	ug/L	
SBLK824		04/23/2021	1.0	87-68-3	Hexachlorobutadiene	5.0	U	U	5.0	ug/L	
SBLK824		04/23/2021	1.0	105-60-2	Caprolactam	10	U	U	10	ug/L	
SBLK824		04/23/2021	1.0	59-50-7	4-Chloro-3-methylphenol	5.0	U	U	5.0	ug/L	
SBLK824		04/23/2021	1.0	90-12-0	1-Methylnaphthalene	5.0	U	U	5.0	ug/L	
SBLK824		04/23/2021	1.0	91-57-6	2-Methylnaphthalene	5.0	U	U	5.0	ug/L	
SBLK824		04/23/2021	1.0	77-47-4	Hexachlorocyclopentadiene	10	U	U	10	ug/L	
SBLK824		04/23/2021	1.0	88-06-2	2,4,6-Trichlorophenol	5.0	U	U	5.0	ug/L	
SBLK824		04/23/2021	1.0	95-95-4	2,4,5-Trichlorophenol	5.0	U	U	5.0	ug/L	
SBLK824		04/23/2021	1.0	92-52-4	1,1-Biphenyl	5.0	U	U	5.0	ug/L	
SBLK824		04/23/2021	1.0	91-58-7	2-Chloronaphthalene	5.0	U	U	5.0	ug/L	
SBLK824		04/23/2021	1.0	88-74-4	2-Nitroaniline	5.0	U	U	5.0	ug/L	
SBLK824		04/23/2021	1.0	131-11-3	Dimethylphthalate	5.0	U	U	5.0	ug/L	
SBLK824		04/23/2021	1.0	606-20-2	2,6-Dinitrotoluene	5.0	U	U	5.0	ug/L	
SBLK824		04/23/2021	1.0	208-96-8	Acenaphthylene	5.0	U	U	5.0	ug/L	
SBLK824		04/23/2021	1.0	99-09-2	3-Nitroaniline	10	U	U	10	ug/L	
SBLK824		04/23/2021	1.0	83-32-9	Acenaphthene	5.0	U	U	5.0	ug/L	
SBLK824		04/23/2021	1.0	51-28-5	2,4-Dinitrophenol	10	U	U	10	ug/L	
SBLK824		04/23/2021	1.0	100-02-7	4-Nitrophenol	10	U	U	10	ug/L	
SBLK824		04/23/2021	1.0	132-64-9	Dibenzofuran	5.0	U	U	5.0	ug/L	
SBLK824		04/23/2021	1.0	121-14-2	2,4-Dinitrotoluene	5.0	U	U	5.0	ug/L	
SBLK824		04/23/2021	1.0	84-66-2	Diethylphthalate	5.0	U	U	5.0	ug/L	
SBLK824		04/23/2021	1.0	86-73-7	Fluorene	5.0	U	U	5.0	ug/L	
SBLK824		04/23/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	5.0	U	U	5.0	ug/L	
SBLK824		04/23/2021	1.0	100-01-6	4-Nitroaniline	10	U	U	10	ug/L	
SBLK824		04/23/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	10	U	U	10	ug/L	

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
SBLK824		04/23/2021	1.0	86-30-6	N-Nitrosodiphenylamine	5.0	U	U	5.0	ug/L	
SBLK824		04/23/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U	U	5.0	ug/L	
SBLK824		04/23/2021	1.0	101-55-3	4-Bromophenyl-phenylether	5.0	U	U	5.0	ug/L	
SBLK824		04/23/2021	1.0	118-74-1	Hexachlorobenzene	5.0	U	U	5.0	ug/L	
SBLK824		04/23/2021	1.0	1912-24-9	Atrazine	10	U	U	10	ug/L	
SBLK824		04/23/2021	1.0	87-86-5	Pentachlorophenol	10	U	U	10	ug/L	
SBLK824		04/23/2021	1.0	85-01-8	Phenanthrene	5.0	U	U	5.0	ug/L	
SBLK824		04/23/2021	1.0	120-12-7	Anthracene	5.0	U	U	5.0	ug/L	
SBLK824		04/23/2021	1.0	86-74-8	Carbazole	10	U	U	10	ug/L	
SBLK824		04/23/2021	1.0	84-74-2	Di-n-butylphthalate	5.0	U	U	5.0	ug/L	
SBLK824		04/23/2021	1.0	206-44-0	Fluoranthene	5.0	U	U	5.0	ug/L	
SBLK824		04/23/2021	1.0	129-00-0	Pyrene	5.0	U	U	5.0	ug/L	
SBLK824		04/23/2021	1.0	85-68-7	Butylbenzylphthalate	5.0	U	U	5.0	ug/L	
SBLK824		04/23/2021	1.0	91-94-1	3,3-Dichlorobenzidine	10	U	U	10	ug/L	
SBLK824		04/23/2021	1.0	56-55-3	Benzo(a)anthracene	5.0	U	U	5.0	ug/L	
SBLK824		04/23/2021	1.0	218-01-9	Chrysene	5.0	U	U	5.0	ug/L	
SBLK824		04/23/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U	U	5.0	ug/L	
SBLK824		04/23/2021	1.0	117-84-0	Di-n-octyl phthalate	10	U	U	10	ug/L	
SBLK824		04/23/2021	1.0	205-99-2	Benzo(b)fluoranthene	5.0	U	U	5.0	ug/L	
SBLK824		04/23/2021	1.0	207-08-9	Benzo(k)fluoranthene	5.0	U	U	5.0	ug/L	
SBLK824		04/23/2021	1.0	50-32-8	Benzo(a)pyrene	5.0	U	U	5.0	ug/L	
SBLK824		04/23/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U	U	5.0	ug/L	
SBLK824		04/23/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	5.0	U	U	5.0	ug/L	
SBLK824		04/23/2021	1.0	191-24-2	Benzo(g,h,i)perylene	5.0	U	U	5.0	ug/L	
SBLK824		04/23/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	5.0	U	U	5.0	ug/L	
SBLK824		04/23/2021	1.0	E966796	Total Alkanes		N	N		ug/L	
BG545	DI Water	04/15/2021	1.0	319-84-6	alpha-BHC	0.050	U	U	0.050	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	319-85-7	beta-BHC	0.050	U	U	0.050	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	319-86-8	delta-BHC	0.050	U	U	0.050	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	58-89-9	gamma-BHC (Lindane)	0.050	U	U	0.050	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	76-44-8	Heptachlor	0.050	U	U	0.050	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	309-00-2	Aldrin	0.050	U	U	0.050	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	1024-57-3	Heptachlor epoxide	0.050	U	U	0.050	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	959-98-8	Endosulfan I	0.050	U	U	0.050	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	60-57-1	Dieldrin	0.10	U	U	0.10	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	72-55-9	4,4'-DDE	0.10	U	U	0.10	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	72-20-8	Endrin	0.10	U	U	0.10	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	33213-65-9	Endosulfan II	0.10	U	U	0.10	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	72-54-8	4,4'-DDD	0.10	U	U	0.10	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	1031-07-8	Endosulfan Sulfate	0.10	U	U	0.10	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	50-29-3	4,4'-DDT	0.10	U	U	0.10	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	72-43-5	Methoxychlor	0.50	U	U	0.50	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	53494-70-5	Endrin ketone	0.10	U	U	0.10	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	7421-93-4	Endrin Aldehyde	0.10	U	U	0.10	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	5103-71-9	cis-Chlordane	0.050	U	U	0.050	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	5103-74-2	trans-Chlordane	0.050	U	U	0.050	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	8001-35-2	Toxaphene	5.0	U	U	5.0	ug/L	6100-RIN01
BG546	DI Water	04/15/2021	1.0	319-84-6	alpha-BHC	0.050	U	U	0.050	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	319-85-7	beta-BHC	0.050	U	U	0.050	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	319-86-8	delta-BHC	0.050	U	U	0.050	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	58-89-9	gamma-BHC (Lindane)	0.050	U	U	0.050	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	76-44-8	Heptachlor	0.050	U	U	0.050	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	309-00-2	Aldrin	0.050	U	U	0.050	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	1024-57-3	Heptachlor epoxide	0.050	U	U	0.050	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	959-98-8	Endosulfan I	0.050	U	U	0.050	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	60-57-1	Dieldrin	0.10	U	U	0.10	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	72-55-9	4,4'-DDE	0.10	U	U	0.10	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	72-20-8	Endrin	0.10	U	U	0.10	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	33213-65-9	Endosulfan II	0.10	U	U	0.10	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	72-54-8	4,4'-DDD	0.10	U	U	0.10	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	1031-07-8	Endosulfan Sulfate	0.10	U	U	0.10	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	50-29-3	4,4'-DDT	0.10	U	U	0.10	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	72-43-5	Methoxychlor	0.50	U	U	0.50	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	53494-70-5	Endrin ketone	0.10	U	U	0.10	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	7421-93-4	Endrin Aldehyde	0.10	U	U	0.10	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	5103-71-9	cis-Chlordane	0.050	U	U	0.050	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	5103-74-2	trans-Chlordane	0.050	U	U	0.050	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	8001-35-2	Toxaphene	5.0	U	U	5.0	ug/L	6100-RIN02
BG528	Surface Water	04/13/2021	1.0	319-84-6	alpha-BHC	0.060	U	U	0.060	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	319-85-7	beta-BHC	0.060	U	U	0.060	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	319-86-8	delta-BHC	0.060	U	U	0.060	ug/L	6100-SW01

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG528	Surface Water	04/13/2021	1.0	58-89-9	gamma-BHC (Lindane)	0.060	U	U	0.060	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	76-44-8	Heptachlor	0.060	U	U	0.060	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	309-00-2	Aldrin	0.060	U	U	0.060	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	1024-57-3	Heptachlor epoxide	0.060	U	U	0.060	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	959-98-8	Endosulfan I	0.060	U	U	0.060	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	60-57-1	Dieldrin	0.12	U	U	0.12	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	72-55-9	4,4'-DDE	0.12	U	U	0.12	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	72-20-8	Endrin	0.12	U	U	0.12	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	33213-65-9	Endosulfan II	0.12	U	U	0.12	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	72-54-8	4,4'-DDD	0.12	U	U	0.12	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	1031-07-8	Endosulfan Sulfate	0.12	U	U	0.12	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	50-29-3	4,4'-DDT	0.12	U	U	0.12	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	72-43-5	Methoxychlor	0.60	U	U	0.60	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	53494-70-5	Endrin ketone	0.12	U	U	0.12	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	7421-93-4	Endrin Aldehyde	0.12	U	U	0.12	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	5103-71-9	cis-Chlordane	0.060	U	U	0.060	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	5103-74-2	trans-Chlordane	0.060	U	U	0.060	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	8001-35-2	Toxaphene	6.0	U	U	6.0	ug/L	6100-SW01
BG529	Surface Water	04/13/2021	1.0	319-84-6	alpha-BHC	0.059	U	U	0.059	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	319-85-7	beta-BHC	0.059	U	U	0.059	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	319-86-8	delta-BHC	0.059	U	U	0.059	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	58-89-9	gamma-BHC (Lindane)	0.059	U	U	0.059	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	76-44-8	Heptachlor	0.059	U	U	0.059	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	309-00-2	Aldrin	0.059	U	U	0.059	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	1024-57-3	Heptachlor epoxide	0.059	U	U	0.059	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	959-98-8	Endosulfan I	0.059	U	U	0.059	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	60-57-1	Dieldrin	0.12	U	U	0.12	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	72-55-9	4,4'-DDE	0.12	U	U	0.12	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	72-20-8	Endrin	0.12	U	U	0.12	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	33213-65-9	Endosulfan II	0.12	U	U	0.12	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	72-54-8	4,4'-DDD	0.12	U	U	0.12	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	1031-07-8	Endosulfan Sulfate	0.12	U	U	0.12	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	50-29-3	4,4'-DDT	0.12	U	U	0.12	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	72-43-5	Methoxychlor	0.59	U	U	0.59	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	53494-70-5	Endrin ketone	0.12	U	U	0.12	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	7421-93-4	Endrin Aldehyde	0.12	U	U	0.12	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	5103-71-9	cis-Chlordane	0.059	U	U	0.059	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	5103-74-2	trans-Chlordane	0.059	U	U	0.059	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	8001-35-2	Toxaphene	5.9	U	U	5.9	ug/L	6100-SW04
BG530	Surface Water	04/14/2021	1.0	319-84-6	alpha-BHC	0.053	U	U	0.053	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	319-85-7	beta-BHC	0.053	U	U	0.053	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	319-86-8	delta-BHC	0.053	U	U	0.053	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	58-89-9	gamma-BHC (Lindane)	0.053	U	U	0.053	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	76-44-8	Heptachlor	0.053	U	U	0.053	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	309-00-2	Aldrin	0.053	U	U	0.053	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	1024-57-3	Heptachlor epoxide	0.053	U	U	0.053	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	959-98-8	Endosulfan I	0.053	U	U	0.053	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	60-57-1	Dieldrin	0.11	U	U	0.11	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	72-55-9	4,4'-DDE	0.11	U	U	0.11	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	72-20-8	Endrin	0.11	U	U	0.11	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	33213-65-9	Endosulfan II	0.11	U	U	0.11	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	72-54-8	4,4'-DDD	0.11	U	U	0.11	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	1031-07-8	Endosulfan Sulfate	0.11	U	U	0.11	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	50-29-3	4,4'-DDT	0.11	U	U	0.11	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	72-43-5	Methoxychlor	0.53	U	U	0.53	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	53494-70-5	Endrin ketone	0.11	U	U	0.11	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	7421-93-4	Endrin Aldehyde	0.11	U	U	0.11	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	5103-71-9	cis-Chlordane	0.053	U	U	0.053	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	5103-74-2	trans-Chlordane	0.053	U	U	0.053	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	8001-35-2	Toxaphene	5.3	U	U	5.3	ug/L	6100-SW09
BG531	Surface Water	04/14/2021	1.0	319-84-6	alpha-BHC	0.061	U	U	0.061	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	319-85-7	beta-BHC	0.061	U	U	0.061	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	319-86-8	delta-BHC	0.061	U	U	0.061	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	58-89-9	gamma-BHC (Lindane)	0.061	U	U	0.061	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	76-44-8	Heptachlor	0.061	U	U	0.061	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	309-00-2	Aldrin	0.061	U	U	0.061	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	1024-57-3	Heptachlor epoxide	0.061	U	U	0.061	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	959-98-8	Endosulfan I	0.061	U	U	0.061	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	60-57-1	Dieldrin	0.12	U	U	0.12	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	72-55-9	4,4'-DDE	0.12	U	U	0.12	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	72-20-8	Endrin	0.12	U	U	0.12	ug/L	6100-SW11

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG531	Surface Water	04/14/2021	1.0	33213-65-9	Endosulfan II	0.12	U	U	0.12	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	72-54-8	4,4'-DDD	0.12	U	U	0.12	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	1031-07-8	Endosulfan Sulfate	0.12	U	U	0.12	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	50-29-3	4,4'-DDT	0.12	U	U	0.12	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	72-43-5	Methoxychlor	0.61	U	U	0.61	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	53494-70-5	Endrin ketone	0.12	U	U	0.12	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	7421-93-4	Endrin Aldehyde	0.12	U	U	0.12	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	5103-71-9	cis-Chlordane	0.061	U	U	0.061	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	5103-74-2	trans-Chlordane	0.061	U	U	0.061	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	8001-35-2	Toxaphene	6.1	U	U	6.1	ug/L	6100-SW11
BG532	Surface Water	04/14/2021	1.0	319-84-6	alpha-BHC	0.054	U	U	0.054	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	319-85-7	beta-BHC	0.054	U	U	0.054	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	319-86-8	delta-BHC	0.054	U	U	0.054	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	58-89-9	gamma-BHC (Lindane)	0.054	U	U	0.054	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	76-44-8	Heptachlor	0.054	U	U	0.054	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	309-00-2	Aldrin	0.054	U	U	0.054	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	1024-57-3	Heptachlor epoxide	0.054	U	U	0.054	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	959-98-8	Endosulfan I	0.054	U	U	0.054	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	60-57-1	Dieldrin	0.11	U	U	0.11	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	72-55-9	4,4'-DDE	0.11	U	U	0.11	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	72-20-8	Endrin	0.11	U	U	0.11	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	33213-65-9	Endosulfan II	0.010	JP	J	0.11	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	72-54-8	4,4'-DDD	0.11	U	U	0.11	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	1031-07-8	Endosulfan Sulfate	0.11	U	U	0.11	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	50-29-3	4,4'-DDT	0.11	U	U	0.11	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	72-43-5	Methoxychlor	0.54	U	U	0.54	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	53494-70-5	Endrin ketone	0.11	U	U	0.11	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	7421-93-4	Endrin Aldehyde	0.11	U	U	0.11	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	5103-71-9	cis-Chlordane	0.054	U	U	0.054	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	5103-74-2	trans-Chlordane	0.054	U	U	0.054	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	8001-35-2	Toxaphene	5.4	U	U	5.4	ug/L	6100-SW13
BG533	Surface Water	04/14/2021	1.0	319-84-6	alpha-BHC	0.053	U	U	0.053	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	319-85-7	beta-BHC	0.053	U	U	0.053	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	319-86-8	delta-BHC	0.053	U	U	0.053	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	58-89-9	gamma-BHC (Lindane)	0.053	U	U	0.053	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	76-44-8	Heptachlor	0.053	U	U	0.053	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	309-00-2	Aldrin	0.053	U	U	0.053	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	1024-57-3	Heptachlor epoxide	0.053	U	U	0.053	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	959-98-8	Endosulfan I	0.053	U	U	0.053	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	60-57-1	Dieldrin	0.11	U	U	0.11	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	72-55-9	4,4'-DDE	0.11	U	U	0.11	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	72-20-8	Endrin	0.11	U	U	0.11	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	33213-65-9	Endosulfan II	0.012	JP	J	0.11	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	72-54-8	4,4'-DDD	0.11	U	U	0.11	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	1031-07-8	Endosulfan Sulfate	0.11	U	U	0.11	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	50-29-3	4,4'-DDT	0.11	U	U	0.11	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	72-43-5	Methoxychlor	0.53	U	U	0.53	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	53494-70-5	Endrin ketone	0.11	U	U	0.11	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	7421-93-4	Endrin Aldehyde	0.11	U	U	0.11	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	5103-71-9	cis-Chlordane	0.053	U	U	0.053	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	5103-74-2	trans-Chlordane	0.053	U	U	0.053	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	8001-35-2	Toxaphene	5.3	U	U	5.3	ug/L	6100-SW14
BG534	Surface Water	04/15/2021	1.0	319-84-6	alpha-BHC	0.059	U	U	0.059	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	319-85-7	beta-BHC	0.059	U	U	0.059	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	319-86-8	delta-BHC	0.059	U	U	0.059	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	58-89-9	gamma-BHC (Lindane)	0.059	U	U	0.059	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	76-44-8	Heptachlor	0.059	U	U	0.059	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	309-00-2	Aldrin	0.059	U	U	0.059	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	1024-57-3	Heptachlor epoxide	0.059	U	U	0.059	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	959-98-8	Endosulfan I	0.059	U	U	0.059	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	60-57-1	Dieldrin	0.12	U	U	0.12	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	72-55-9	4,4'-DDE	0.12	U	U	0.12	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	72-20-8	Endrin	0.12	U	U	0.12	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	33213-65-9	Endosulfan II	0.037	JP	J	0.12	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	72-54-8	4,4'-DDD	0.12	U	U	0.12	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	1031-07-8	Endosulfan Sulfate	0.12	U	U	0.12	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	50-29-3	4,4'-DDT	0.12	U	U	0.12	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	72-43-5	Methoxychlor	0.59	U	U	0.59	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	53494-70-5	Endrin ketone	0.12	U	U	0.12	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	7421-93-4	Endrin Aldehyde	0.12	U	U	0.12	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	5103-71-9	cis-Chlordane	0.059	U	U	0.059	ug/L	6100-SW20

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG534	Surface Water	04/15/2021	1.0	5103-74-2	trans-Chlordane	0.059	U	U	0.059	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	8001-35-2	Toxaphene	5.9	U	U	5.9	ug/L	6100-SW20
BG536	Surface Water	04/13/2021	1.0	319-84-6	alpha-BHC	0.038	J	J	0.054	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	319-85-7	beta-BHC	0.054	U	U	0.054	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	319-86-8	delta-BHC	0.023	JP	J	0.054	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	58-89-9	gamma-BHC (Lindane)	0.054	U	U	0.054	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	76-44-8	Heptachlor	0.0062	JP	NJ	0.054	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	309-00-2	Aldrin	0.054	U	U	0.054	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	1024-57-3	Heptachlor epoxide	0.054	U	U	0.054	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	959-98-8	Endosulfan I	0.054	U	U	0.054	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	60-57-1	Dieldrin	0.11	U	U	0.11	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	72-55-9	4,4'-DDE	0.11	U	U	0.11	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	72-20-8	Endrin	0.11	U	U	0.11	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	33213-65-9	Endosulfan II	0.11	U	U	0.11	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	72-54-8	4,4'-DDD	0.11	U	U	0.11	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	1031-07-8	Endosulfan Sulfate	0.11	U	U	0.11	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	50-29-3	4,4'-DDT	0.11	U	U	0.11	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	72-43-5	Methoxychlor	0.54	U	U	0.54	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	53494-70-5	Endrin ketone	0.11	U	U	0.11	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	7421-93-4	Endrin Aldehyde	0.11	U	U	0.11	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	5103-71-9	cis-Chlordane	0.054	U	U	0.054	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	5103-74-2	trans-Chlordane	0.054	U	U	0.054	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	8001-35-2	Toxaphene	5.4	U	U	5.4	ug/L	6100-SW22
BG537	Surface Water	04/13/2021	1.0	319-84-6	alpha-BHC	0.039	J	J+	0.059	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	319-85-7	beta-BHC	0.059	U	U	0.059	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	319-86-8	delta-BHC	0.033	JP	NJ	0.059	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	58-89-9	gamma-BHC (Lindane)	0.059	U	U	0.059	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	76-44-8	Heptachlor	0.012	JP	NJ	0.059	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	309-00-2	Aldrin	0.059	U	U	0.059	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	1024-57-3	Heptachlor epoxide	0.059	U	U	0.059	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	959-98-8	Endosulfan I	0.059	U	U	0.059	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	60-57-1	Dieldrin	0.12	U	U	0.12	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	72-55-9	4,4'-DDE	0.12	U	U	0.12	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	72-20-8	Endrin	0.12	U	U	0.12	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	33213-65-9	Endosulfan II	0.12	U	U	0.12	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	72-54-8	4,4'-DDD	0.12	U	U	0.12	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	1031-07-8	Endosulfan Sulfate	0.12	U	U	0.12	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	50-29-3	4,4'-DDT	0.12	U	U	0.12	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	72-43-5	Methoxychlor	0.59	U	U	0.59	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	53494-70-5	Endrin ketone	0.12	U	U	0.12	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	7421-93-4	Endrin Aldehyde	0.12	U	U	0.12	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	5103-71-9	cis-Chlordane	0.059	U	U	0.059	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	5103-74-2	trans-Chlordane	0.059	U	U	0.059	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	8001-35-2	Toxaphene	5.9	U	U	5.9	ug/L	6100-SW23
BG538	Surface Water	04/13/2021	1.0	319-84-6	alpha-BHC	0.038	J	J	0.053	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	319-85-7	beta-BHC	0.053	U	U	0.053	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	319-86-8	delta-BHC	0.017	JP	J	0.053	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	58-89-9	gamma-BHC (Lindane)	0.053	U	U	0.053	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	76-44-8	Heptachlor	0.0055	JP	NJ	0.053	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	309-00-2	Aldrin	0.053	U	U	0.053	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	1024-57-3	Heptachlor epoxide	0.0086	JP	NJ	0.053	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	959-98-8	Endosulfan I	0.053	U	U	0.053	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	60-57-1	Dieldrin	0.11	U	U	0.11	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	72-55-9	4,4'-DDE	0.11	U	U	0.11	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	72-20-8	Endrin	0.11	U	U	0.11	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	33213-65-9	Endosulfan II	0.11	U	U	0.11	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	72-54-8	4,4'-DDD	0.11	U	U	0.11	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	1031-07-8	Endosulfan Sulfate	0.11	U	U	0.11	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	50-29-3	4,4'-DDT	0.11	U	U	0.11	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	72-43-5	Methoxychlor	0.53	U	U	0.53	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	53494-70-5	Endrin ketone	0.11	U	U	0.11	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	7421-93-4	Endrin Aldehyde	0.11	U	U	0.11	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	5103-71-9	cis-Chlordane	0.053	U	U	0.053	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	5103-74-2	trans-Chlordane	0.053	U	U	0.053	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	8001-35-2	Toxaphene	5.3	U	U	5.3	ug/L	6100-SW24
BG539	Surface Water	04/13/2021	1.0	319-84-6	alpha-BHC	0.054	U	U	0.054	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	319-85-7	beta-BHC	0.054	U	U	0.054	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	319-86-8	delta-BHC	0.054	U	U	0.054	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	58-89-9	gamma-BHC (Lindane)	0.054	U	U	0.054	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	76-44-8	Heptachlor	0.054	U	U	0.054	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	309-00-2	Aldrin	0.054	U	U	0.054	ug/L	6100-SW25

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG539	Surface Water	04/13/2021	1.0	1024-57-3	Heptachlor epoxide	0.054	U	U	0.054	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	959-98-8	Endosulfan I	0.054	U	U	0.054	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	60-57-1	Dieldrin	0.11	U	U	0.11	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	72-55-9	4,4'-DDE	0.11	U	U	0.11	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	72-20-8	Endrin	0.11	U	U	0.11	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	33213-65-9	Endosulfan II	0.11	U	U	0.11	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	72-54-8	4,4'-DDD	0.11	U	U	0.11	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	1031-07-8	Endosulfan Sulfate	0.11	U	U	0.11	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	50-29-3	4,4'-DDT	0.11	U	U	0.11	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	72-43-5	Methoxychlor	0.54	U	U	0.54	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	53494-70-5	Endrin ketone	0.11	U	U	0.11	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	7421-93-4	Endrin Aldehyde	0.11	U	U	0.11	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	5103-71-9	cis-Chlordane	0.054	U	U	0.054	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	5103-74-2	trans-Chlordane	0.054	U	U	0.054	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	8001-35-2	Toxaphene	5.4	U	U	5.4	ug/L	6100-SW25
BG548	Surface Water	04/14/2021	1.0	319-84-6	alpha-BHC	0.053	U	U	0.053	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	319-85-7	beta-BHC	0.053	U	U	0.053	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	319-86-8	delta-BHC	0.053	U	U	0.053	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	58-89-9	gamma-BHC (Lindane)	0.053	U	U	0.053	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	76-44-8	Heptachlor	0.053	U	U	0.053	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	309-00-2	Aldrin	0.053	U	U	0.053	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	1024-57-3	Heptachlor epoxide	0.053	U	U	0.053	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	959-98-8	Endosulfan I	0.053	U	U	0.053	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	60-57-1	Dieldrin	0.11	U	U	0.11	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	72-55-9	4,4'-DDE	0.11	U	U	0.11	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	72-20-8	Endrin	0.11	U	U	0.11	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	33213-65-9	Endosulfan II	0.11	U	U	0.11	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	72-54-8	4,4'-DDD	0.11	U	U	0.11	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	1031-07-8	Endosulfan Sulfate	0.11	U	U	0.11	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	50-29-3	4,4'-DDT	0.11	U	U	0.11	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	72-43-5	Methoxychlor	0.53	U	U	0.53	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	53494-70-5	Endrin ketone	0.11	U	U	0.11	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	7421-93-4	Endrin Aldehyde	0.11	U	U	0.11	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	5103-71-9	cis-Chlordane	0.053	U	U	0.053	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	5103-74-2	trans-Chlordane	0.053	U	U	0.053	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	8001-35-2	Toxaphene	5.3	U	U	5.3	ug/L	6100-SW26
PLCS826		04/20/2021	1.0	8001-35-2	Toxaphene	5.0	U	U	5.0	ug/L	
PLCS826		04/20/2021	1.0	319-84-6	alpha-BHC	0.043	J	J	0.050	ug/L	
PLCS826		04/20/2021	1.0	319-85-7	beta-BHC	0.048	JP	J	0.050	ug/L	
PLCS826		04/20/2021	1.0	319-86-8	delta-BHC	0.045	JP	J	0.050	ug/L	
PLCS826		04/20/2021	1.0	58-89-9	gamma-BHC (Lindane)	0.044	JP	J	0.050	ug/L	
PLCS826		04/20/2021	1.0	76-44-8	Heptachlor	0.048	J	J	0.050	ug/L	
PLCS826		04/20/2021	1.0	309-00-2	Aldrin	0.048	J	J	0.050	ug/L	
PLCS826		04/20/2021	1.0	1024-57-3	Heptachlor epoxide	0.052			0.050	ug/L	
PLCS826		04/20/2021	1.0	959-98-8	Endosulfan I	0.054			0.050	ug/L	
PLCS826		04/20/2021	1.0	60-57-1	Dieldrin	0.099	J	J	0.10	ug/L	
PLCS826		04/20/2021	1.0	72-55-9	4,4'-DDE	0.10			0.10	ug/L	
PLCS826		04/20/2021	1.0	72-20-8	Endrin	0.11			0.10	ug/L	
PLCS826		04/20/2021	1.0	33213-65-9	Endosulfan II	0.11			0.10	ug/L	
PLCS826		04/20/2021	1.0	72-54-8	4,4'-DDD	0.11			0.10	ug/L	
PLCS826		04/20/2021	1.0	1031-07-8	Endosulfan Sulfate	0.11			0.10	ug/L	
PLCS826		04/20/2021	1.0	50-29-3	4,4'-DDT	0.085	J	J	0.10	ug/L	
PLCS826		04/20/2021	1.0	72-43-5	Methoxychlor	0.50			0.50	ug/L	
PLCS826		04/20/2021	1.0	53494-70-5	Endrin ketone	0.13			0.10	ug/L	
PLCS826		04/20/2021	1.0	7421-93-4	Endrin Aldehyde	0.12			0.10	ug/L	
PLCS826		04/20/2021	1.0	5103-71-9	cis-Chlordane	0.052			0.050	ug/L	
PLCS826		04/20/2021	1.0	5103-74-2	trans-Chlordane	0.051			0.050	ug/L	
BG528MS	Surface Water	04/13/2021	1.0	8001-35-2	Toxaphene	6.0	U	U	6.0	ug/L	6100-SW01
BG528MS	Surface Water	04/13/2021	1.0	319-84-6	alpha-BHC	0.41	*		0.060	ug/L	6100-SW01
BG528MS	Surface Water	04/13/2021	1.0	319-85-7	beta-BHC	0.39	*		0.060	ug/L	6100-SW01
BG528MS	Surface Water	04/13/2021	1.0	319-86-8	delta-BHC	0.21	*		0.060	ug/L	6100-SW01
BG528MS	Surface Water	04/13/2021	1.0	58-89-9	gamma-BHC (Lindane)	0.41			0.060	ug/L	6100-SW01
BG528MS	Surface Water	04/13/2021	1.0	76-44-8	Heptachlor	0.41			0.060	ug/L	6100-SW01
BG528MS	Surface Water	04/13/2021	1.0	309-00-2	Aldrin	0.41			0.060	ug/L	6100-SW01
BG528MS	Surface Water	04/13/2021	1.0	1024-57-3	Heptachlor epoxide	0.44	*		0.060	ug/L	6100-SW01
BG528MS	Surface Water	04/13/2021	1.0	959-98-8	Endosulfan I	0.43	*		0.060	ug/L	6100-SW01
BG528MS	Surface Water	04/13/2021	1.0	60-57-1	Dieldrin	0.89			0.12	ug/L	6100-SW01
BG528MS	Surface Water	04/13/2021	1.0	72-55-9	4,4'-DDE	0.92	*		0.12	ug/L	6100-SW01
BG528MS	Surface Water	04/13/2021	1.0	72-20-8	Endrin	0.92			0.12	ug/L	6100-SW01
BG528MS	Surface Water	04/13/2021	1.0	33213-65-9	Endosulfan II	0.94	*		0.12	ug/L	6100-SW01
BG528MS	Surface Water	04/13/2021	1.0	72-54-8	4,4'-DDD	0.92	*		0.12	ug/L	6100-SW01

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG528MS	Surface Water	04/13/2021	1.0	1031-07-8	Endosulfan Sulfate	0.81	*		0.12	ug/L	6100-SW01
BG528MS	Surface Water	04/13/2021	1.0	50-29-3	4,4'-DDT	0.93			0.12	ug/L	6100-SW01
BG528MS	Surface Water	04/13/2021	1.0	72-43-5	Methoxychlor	4.3	*		0.60	ug/L	6100-SW01
BG528MS	Surface Water	04/13/2021	1.0	53494-70-5	Endrin ketone	0.91	*		0.12	ug/L	6100-SW01
BG528MS	Surface Water	04/13/2021	1.0	7421-93-4	Endrin Aldehyde	0.93	*		0.12	ug/L	6100-SW01
BG528MS	Surface Water	04/13/2021	1.0	5103-71-9	cis-Chlordane	0.44	*		0.060	ug/L	6100-SW01
BG528MS	Surface Water	04/13/2021	1.0	5103-74-2	trans-Chlordane	0.43	*		0.060	ug/L	6100-SW01
BG528MSD	Surface Water	04/13/2021	1.0	8001-35-2	Toxaphene	5.0	U	U	5.0	ug/L	6100-SW01
BG528MSD	Surface Water	04/13/2021	1.0	319-84-6	alpha-BHC	0.35	*		0.050	ug/L	6100-SW01
BG528MSD	Surface Water	04/13/2021	1.0	319-85-7	beta-BHC	0.33	*		0.050	ug/L	6100-SW01
BG528MSD	Surface Water	04/13/2021	1.0	319-86-8	delta-BHC	0.18	*		0.050	ug/L	6100-SW01
BG528MSD	Surface Water	04/13/2021	1.0	58-89-9	gamma-BHC (Lindane)	0.34			0.050	ug/L	6100-SW01
BG528MSD	Surface Water	04/13/2021	1.0	76-44-8	Heptachlor	0.35			0.050	ug/L	6100-SW01
BG528MSD	Surface Water	04/13/2021	1.0	309-00-2	Aldrin	0.34			0.050	ug/L	6100-SW01
BG528MSD	Surface Water	04/13/2021	1.0	1024-57-3	Heptachlor epoxide	0.37	*		0.050	ug/L	6100-SW01
BG528MSD	Surface Water	04/13/2021	1.0	959-98-8	Endosulfan I	0.37	*		0.050	ug/L	6100-SW01
BG528MSD	Surface Water	04/13/2021	1.0	60-57-1	Dieldrin	0.75			0.10	ug/L	6100-SW01
BG528MSD	Surface Water	04/13/2021	1.0	72-55-9	4,4'-DDE	0.77	*		0.10	ug/L	6100-SW01
BG528MSD	Surface Water	04/13/2021	1.0	72-20-8	Endrin	0.78			0.10	ug/L	6100-SW01
BG528MSD	Surface Water	04/13/2021	1.0	33213-65-9	Endosulfan II	0.81	*		0.10	ug/L	6100-SW01
BG528MSD	Surface Water	04/13/2021	1.0	72-54-8	4,4'-DDD	0.77	*		0.10	ug/L	6100-SW01
BG528MSD	Surface Water	04/13/2021	1.0	1031-07-8	Endosulfan Sulfate	0.68	*		0.10	ug/L	6100-SW01
BG528MSD	Surface Water	04/13/2021	1.0	50-29-3	4,4'-DDT	0.79			0.10	ug/L	6100-SW01
BG528MSD	Surface Water	04/13/2021	1.0	72-43-5	Methoxychlor	3.7	*		0.50	ug/L	6100-SW01
BG528MSD	Surface Water	04/13/2021	1.0	53494-70-5	Endrin ketone	0.79	*		0.10	ug/L	6100-SW01
BG528MSD	Surface Water	04/13/2021	1.0	7421-93-4	Endrin Aldehyde	0.78	*		0.10	ug/L	6100-SW01
BG528MSD	Surface Water	04/13/2021	1.0	5103-71-9	cis-Chlordane	0.37	*		0.050	ug/L	6100-SW01
BG528MSD	Surface Water	04/13/2021	1.0	5103-74-2	trans-Chlordane	0.36	*		0.050	ug/L	6100-SW01
PBLK826		04/20/2021	1.0	319-84-6	alpha-BHC	0.050	U	U	0.050	ug/L	
PBLK826		04/20/2021	1.0	319-85-7	beta-BHC	0.050	U	U	0.050	ug/L	
PBLK826		04/20/2021	1.0	319-86-8	delta-BHC	0.050	U	U	0.050	ug/L	
PBLK826		04/20/2021	1.0	58-89-9	gamma-BHC (Lindane)	0.050	U	U	0.050	ug/L	
PBLK826		04/20/2021	1.0	76-44-8	Heptachlor	0.050	U	U	0.050	ug/L	
PBLK826		04/20/2021	1.0	309-00-2	Aldrin	0.050	U	U	0.050	ug/L	
PBLK826		04/20/2021	1.0	1024-57-3	Heptachlor epoxide	0.050	U	U	0.050	ug/L	
PBLK826		04/20/2021	1.0	959-98-8	Endosulfan I	0.050	U	U	0.050	ug/L	
PBLK826		04/20/2021	1.0	60-57-1	Dieldrin	0.10	U	U	0.10	ug/L	
PBLK826		04/20/2021	1.0	72-55-9	4,4'-DDE	0.10	U	U	0.10	ug/L	
PBLK826		04/20/2021	1.0	72-20-8	Endrin	0.10	U	U	0.10	ug/L	
PBLK826		04/20/2021	1.0	33213-65-9	Endosulfan II	0.10	U	U	0.10	ug/L	
PBLK826		04/20/2021	1.0	72-54-8	4,4'-DDD	0.10	U	U	0.10	ug/L	
PBLK826		04/20/2021	1.0	1031-07-8	Endosulfan Sulfate	0.10	U	U	0.10	ug/L	
PBLK826		04/20/2021	1.0	50-29-3	4,4'-DDT	0.10	U	U	0.10	ug/L	
PBLK826		04/20/2021	1.0	72-43-5	Methoxychlor	0.50	U	U	0.50	ug/L	
PBLK826		04/20/2021	1.0	53494-70-5	Endrin ketone	0.10	U	U	0.10	ug/L	
PBLK826		04/20/2021	1.0	7421-93-4	Endrin Aldehyde	0.10	U	U	0.10	ug/L	
PBLK826		04/20/2021	1.0	5103-71-9	cis-Chlordane	0.050	U	U	0.050	ug/L	
PBLK826		04/20/2021	1.0	5103-74-2	trans-Chlordane	0.050	U	U	0.050	ug/L	
PBLK826		04/20/2021	1.0	8001-35-2	Toxaphene	5.0	U	U	5.0	ug/L	
BG545	DI Water	04/15/2021	1.0	12674-11-2	Aroclor-1016	1.0	U	UJ	1.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	11104-28-2	Aroclor-1221	1.0	U	UJ	1.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	11141-16-5	Aroclor-1232	1.0	U	UJ	1.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	53469-21-9	Aroclor-1242	1.0	U	UJ	1.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	12672-29-6	Aroclor-1248	1.0	U	UJ	1.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	11097-69-1	Aroclor-1254	1.0	U	UJ	1.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	11096-82-5	Aroclor-1260	1.0	U	UJ	1.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	37324-23-5	Aroclor-1262	1.0	U	UJ	1.0	ug/L	6100-RIN01
BG545	DI Water	04/15/2021	1.0	11100-14-4	Aroclor-1268	1.0	U	UJ	1.0	ug/L	6100-RIN01
BG546	DI Water	04/15/2021	1.0	12674-11-2	Aroclor-1016	1.0	U	U	1.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	11104-28-2	Aroclor-1221	1.0	U	U	1.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	11141-16-5	Aroclor-1232	1.0	U	U	1.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	53469-21-9	Aroclor-1242	1.0	U	U	1.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	12672-29-6	Aroclor-1248	1.0	U	U	1.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	11097-69-1	Aroclor-1254	1.0	U	U	1.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	11096-82-5	Aroclor-1260	1.0	U	U	1.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	37324-23-5	Aroclor-1262	1.0	U	U	1.0	ug/L	6100-RIN02
BG546	DI Water	04/15/2021	1.0	11100-14-4	Aroclor-1268	1.0	U	U	1.0	ug/L	6100-RIN02
BG528	Surface Water	04/13/2021	1.0	12674-11-2	Aroclor-1016	1.0	U	U	1.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	11104-28-2	Aroclor-1221	1.0	U	U	1.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	11141-16-5	Aroclor-1232	1.0	U	U	1.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	53469-21-9	Aroclor-1242	1.0	U	U	1.0	ug/L	6100-SW01

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG528	Surface Water	04/13/2021	1.0	12672-29-6	Aroclor-1248	1.0	U	U	1.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	11097-69-1	Aroclor-1254	1.0	U	U	1.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	11096-82-5	Aroclor-1260	1.0	U	U	1.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	37324-23-5	Aroclor-1262	1.0	U	U	1.0	ug/L	6100-SW01
BG528	Surface Water	04/13/2021	1.0	11100-14-4	Aroclor-1268	1.0	U	U	1.0	ug/L	6100-SW01
BG529	Surface Water	04/13/2021	1.0	12674-11-2	Aroclor-1016	1.0	U	U	1.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	11104-28-2	Aroclor-1221	1.0	U	U	1.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	11141-16-5	Aroclor-1232	1.0	U	U	1.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	53469-21-9	Aroclor-1242	1.0	U	U	1.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	12672-29-6	Aroclor-1248	1.0	U	U	1.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	11097-69-1	Aroclor-1254	1.0	U	U	1.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	11096-82-5	Aroclor-1260	1.0	U	U	1.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	37324-23-5	Aroclor-1262	1.0	U	U	1.0	ug/L	6100-SW04
BG529	Surface Water	04/13/2021	1.0	11100-14-4	Aroclor-1268	1.0	U	U	1.0	ug/L	6100-SW04
BG530	Surface Water	04/14/2021	1.0	12674-11-2	Aroclor-1016	1.1	U	U	1.1	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	11104-28-2	Aroclor-1221	1.1	U	U	1.1	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	11141-16-5	Aroclor-1232	1.1	U	U	1.1	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	53469-21-9	Aroclor-1242	1.1	U	U	1.1	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	12672-29-6	Aroclor-1248	1.1	U	U	1.1	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	11097-69-1	Aroclor-1254	1.1	U	U	1.1	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	11096-82-5	Aroclor-1260	1.1	U	U	1.1	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	37324-23-5	Aroclor-1262	1.1	U	U	1.1	ug/L	6100-SW09
BG530	Surface Water	04/14/2021	1.0	11100-14-4	Aroclor-1268	1.1	U	U	1.1	ug/L	6100-SW09
BG531	Surface Water	04/14/2021	1.0	12674-11-2	Aroclor-1016	1.2	U	U	1.2	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	11104-28-2	Aroclor-1221	1.2	U	U	1.2	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	11141-16-5	Aroclor-1232	1.2	U	U	1.2	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	53469-21-9	Aroclor-1242	1.2	U	U	1.2	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	12672-29-6	Aroclor-1248	1.2	U	U	1.2	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	11097-69-1	Aroclor-1254	1.2	U	U	1.2	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	11096-82-5	Aroclor-1260	1.2	U	U	1.2	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	37324-23-5	Aroclor-1262	1.2	U	U	1.2	ug/L	6100-SW11
BG531	Surface Water	04/14/2021	1.0	11100-14-4	Aroclor-1268	1.2	U	U	1.2	ug/L	6100-SW11
BG532	Surface Water	04/14/2021	1.0	12674-11-2	Aroclor-1016	1.0	U	U	1.0	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	11104-28-2	Aroclor-1221	1.0	U	U	1.0	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	11141-16-5	Aroclor-1232	1.0	U	U	1.0	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	53469-21-9	Aroclor-1242	1.0	U	U	1.0	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	12672-29-6	Aroclor-1248	1.0	U	U	1.0	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	11097-69-1	Aroclor-1254	1.0	U	U	1.0	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	11096-82-5	Aroclor-1260	1.0	U	U	1.0	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	37324-23-5	Aroclor-1262	1.0	U	U	1.0	ug/L	6100-SW13
BG532	Surface Water	04/14/2021	1.0	11100-14-4	Aroclor-1268	1.0	U	U	1.0	ug/L	6100-SW13
BG533	Surface Water	04/14/2021	1.0	12674-11-2	Aroclor-1016	1.1	U	U	1.1	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	11104-28-2	Aroclor-1221	1.1	U	U	1.1	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	11141-16-5	Aroclor-1232	1.1	U	U	1.1	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	53469-21-9	Aroclor-1242	1.1	U	U	1.1	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	12672-29-6	Aroclor-1248	1.1	U	U	1.1	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	11097-69-1	Aroclor-1254	1.1	U	U	1.1	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	11096-82-5	Aroclor-1260	1.1	U	U	1.1	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	37324-23-5	Aroclor-1262	1.1	U	U	1.1	ug/L	6100-SW14
BG533	Surface Water	04/14/2021	1.0	11100-14-4	Aroclor-1268	1.1	U	U	1.1	ug/L	6100-SW14
BG534	Surface Water	04/15/2021	1.0	12674-11-2	Aroclor-1016	1.2	U	U	1.2	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	11104-28-2	Aroclor-1221	1.2	U	U	1.2	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	11141-16-5	Aroclor-1232	1.2	U	U	1.2	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	53469-21-9	Aroclor-1242	1.2	U	U	1.2	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	12672-29-6	Aroclor-1248	1.2	U	U	1.2	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	11097-69-1	Aroclor-1254	1.2	U	U	1.2	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	11096-82-5	Aroclor-1260	1.2	U	U	1.2	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	37324-23-5	Aroclor-1262	1.2	U	U	1.2	ug/L	6100-SW20
BG534	Surface Water	04/15/2021	1.0	11100-14-4	Aroclor-1268	1.2	U	U	1.2	ug/L	6100-SW20
BG536	Surface Water	04/13/2021	1.0	12674-11-2	Aroclor-1016	1.1	U	U	1.1	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	11104-28-2	Aroclor-1221	1.1	U	U	1.1	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	11141-16-5	Aroclor-1232	1.1	U	U	1.1	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	53469-21-9	Aroclor-1242	1.1	U	U	1.1	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	12672-29-6	Aroclor-1248	1.1	U	U	1.1	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	11097-69-1	Aroclor-1254	1.1	U	U	1.1	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	11096-82-5	Aroclor-1260	1.1	U	U	1.1	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	37324-23-5	Aroclor-1262	1.1	U	U	1.1	ug/L	6100-SW22
BG536	Surface Water	04/13/2021	1.0	11100-14-4	Aroclor-1268	1.1	U	U	1.1	ug/L	6100-SW22
BG537	Surface Water	04/13/2021	1.0	12674-11-2	Aroclor-1016	1.0	U	U	1.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	11104-28-2	Aroclor-1221	1.0	U	U	1.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	11141-16-5	Aroclor-1232	1.0	U	U	1.0	ug/L	6100-SW23

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG537	Surface Water	04/13/2021	1.0	53469-21-9	Aroclor-1242	1.0	U	U	1.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	12672-29-6	Aroclor-1248	1.0	U	U	1.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	11097-69-1	Aroclor-1254	1.0	U	U	1.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	11096-82-5	Aroclor-1260	1.0	U	U	1.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	37324-23-5	Aroclor-1262	1.0	U	U	1.0	ug/L	6100-SW23
BG537	Surface Water	04/13/2021	1.0	11100-14-4	Aroclor-1268	1.0	U	U	1.0	ug/L	6100-SW23
BG538	Surface Water	04/13/2021	1.0	12674-11-2	Aroclor-1016	1.1	U	U	1.1	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	11104-28-2	Aroclor-1221	1.1	U	U	1.1	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	11141-16-5	Aroclor-1232	1.1	U	U	1.1	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	53469-21-9	Aroclor-1242	1.1	U	U	1.1	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	12672-29-6	Aroclor-1248	1.1	U	U	1.1	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	11097-69-1	Aroclor-1254	1.1	U	U	1.1	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	11096-82-5	Aroclor-1260	1.1	U	U	1.1	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	37324-23-5	Aroclor-1262	1.1	U	U	1.1	ug/L	6100-SW24
BG538	Surface Water	04/13/2021	1.0	11100-14-4	Aroclor-1268	1.1	U	U	1.1	ug/L	6100-SW24
BG539	Surface Water	04/13/2021	1.0	12674-11-2	Aroclor-1016	1.0	U	U	1.0	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	11104-28-2	Aroclor-1221	1.0	U	U	1.0	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	11141-16-5	Aroclor-1232	1.0	U	U	1.0	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	53469-21-9	Aroclor-1242	1.0	U	U	1.0	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	12672-29-6	Aroclor-1248	1.0	U	U	1.0	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	11097-69-1	Aroclor-1254	1.0	U	U	1.0	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	11096-82-5	Aroclor-1260	1.0	U	U	1.0	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	37324-23-5	Aroclor-1262	1.0	U	U	1.0	ug/L	6100-SW25
BG539	Surface Water	04/13/2021	1.0	11100-14-4	Aroclor-1268	1.0	U	U	1.0	ug/L	6100-SW25
BG548	Surface Water	04/14/2021	1.0	12674-11-2	Aroclor-1016	1.1	U	U	1.1	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	11104-28-2	Aroclor-1221	1.1	U	U	1.1	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	11141-16-5	Aroclor-1232	1.1	U	U	1.1	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	53469-21-9	Aroclor-1242	1.1	U	U	1.1	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	12672-29-6	Aroclor-1248	1.1	U	U	1.1	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	11097-69-1	Aroclor-1254	1.1	U	U	1.1	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	11096-82-5	Aroclor-1260	1.1	U	U	1.1	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	37324-23-5	Aroclor-1262	1.1	U	U	1.1	ug/L	6100-SW26
BG548	Surface Water	04/14/2021	1.0	11100-14-4	Aroclor-1268	1.1	U	U	1.1	ug/L	6100-SW26
ALCS825		04/20/2021	1.0	11104-28-2	Aroclor-1221	1.0	U	U	1.0	ug/L	
ALCS825		04/20/2021	1.0	11141-16-5	Aroclor-1232	1.0	U	U	1.0	ug/L	
ALCS825		04/20/2021	1.0	53469-21-9	Aroclor-1242	1.0	U	U	1.0	ug/L	
ALCS825		04/20/2021	1.0	12672-29-6	Aroclor-1248	1.0	U	U	1.0	ug/L	
ALCS825		04/20/2021	1.0	11097-69-1	Aroclor-1254	1.0	U	U	1.0	ug/L	
ALCS825		04/20/2021	1.0	37324-23-5	Aroclor-1262	1.0	U	U	1.0	ug/L	
ALCS825		04/20/2021	1.0	11100-14-4	Aroclor-1268	1.0	U	U	1.0	ug/L	
ALCS825		04/20/2021	1.0	12674-11-2	Aroclor-1016	1.0		J	1.0	ug/L	
ALCS825		04/20/2021	1.0	11096-82-5	Aroclor-1260	0.98	J	J	1.0	ug/L	
BG528MS	Surface Water	04/13/2021	1.0	11104-28-2	Aroclor-1221	1.0	U	U	1.0	ug/L	6100-SW01
BG528MS	Surface Water	04/13/2021	1.0	11141-16-5	Aroclor-1232	1.0	U	U	1.0	ug/L	6100-SW01
BG528MS	Surface Water	04/13/2021	1.0	53469-21-9	Aroclor-1242	1.0	U	U	1.0	ug/L	6100-SW01
BG528MS	Surface Water	04/13/2021	1.0	12672-29-6	Aroclor-1248	1.0	U	U	1.0	ug/L	6100-SW01
BG528MS	Surface Water	04/13/2021	1.0	11097-69-1	Aroclor-1254	1.0	U	U	1.0	ug/L	6100-SW01
BG528MS	Surface Water	04/13/2021	1.0	37324-23-5	Aroclor-1262	1.0	U	U	1.0	ug/L	6100-SW01
BG528MS	Surface Water	04/13/2021	1.0	11100-14-4	Aroclor-1268	1.0	U	U	1.0	ug/L	6100-SW01
BG528MS	Surface Water	04/13/2021	1.0	12674-11-2	Aroclor-1016	4.1			1.0	ug/L	6100-SW01
BG528MS	Surface Water	04/13/2021	1.0	11096-82-5	Aroclor-1260	4.0			1.0	ug/L	6100-SW01
BG528MSD	Surface Water	04/13/2021	1.0	11104-28-2	Aroclor-1221	1.0	U	U	1.0	ug/L	6100-SW01
BG528MSD	Surface Water	04/13/2021	1.0	11141-16-5	Aroclor-1232	1.0	U	U	1.0	ug/L	6100-SW01
BG528MSD	Surface Water	04/13/2021	1.0	53469-21-9	Aroclor-1242	1.0	U	U	1.0	ug/L	6100-SW01
BG528MSD	Surface Water	04/13/2021	1.0	12672-29-6	Aroclor-1248	1.0	U	U	1.0	ug/L	6100-SW01
BG528MSD	Surface Water	04/13/2021	1.0	11097-69-1	Aroclor-1254	1.0	U	U	1.0	ug/L	6100-SW01
BG528MSD	Surface Water	04/13/2021	1.0	37324-23-5	Aroclor-1262	1.0	U	U	1.0	ug/L	6100-SW01
BG528MSD	Surface Water	04/13/2021	1.0	11100-14-4	Aroclor-1268	1.0	U	U	1.0	ug/L	6100-SW01
BG528MSD	Surface Water	04/13/2021	1.0	12674-11-2	Aroclor-1016	4.2			1.0	ug/L	6100-SW01
BG528MSD	Surface Water	04/13/2021	1.0	11096-82-5	Aroclor-1260	4.0			1.0	ug/L	6100-SW01
ABLK825		04/20/2021	1.0	12674-11-2	Aroclor-1016	1.0	U	U	1.0	ug/L	
ABLK825		04/20/2021	1.0	11104-28-2	Aroclor-1221	1.0	U	U	1.0	ug/L	
ABLK825		04/20/2021	1.0	11141-16-5	Aroclor-1232	1.0	U	U	1.0	ug/L	
ABLK825		04/20/2021	1.0	53469-21-9	Aroclor-1242	1.0	U	U	1.0	ug/L	
ABLK825		04/20/2021	1.0	12672-29-6	Aroclor-1248	1.0	U	U	1.0	ug/L	
ABLK825		04/20/2021	1.0	11097-69-1	Aroclor-1254	1.0	U	U	1.0	ug/L	
ABLK825		04/20/2021	1.0	11096-82-5	Aroclor-1260	1.0	U	U	1.0	ug/L	
ABLK825		04/20/2021	1.0	37324-23-5	Aroclor-1262	1.0	U	U	1.0	ug/L	
ABLK825		04/20/2021	1.0	11100-14-4	Aroclor-1268	1.0	U	U	1.0	ug/L	

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
LSASD/HWSB/HWSS
2890 Woodbridge Avenue, Edison, NJ 08837

EXECUTIVE NARRATIVE

Case No.: 49391
Site: Coney Island Creek
Number of Samples: 2 (Sediment), 2 (Water)
Analysis: VOA, SVOA, PEST, ARO

SDG No.: BG595
Laboratory: Chemtech Consulting Group
Sampling dates: 04/26/2021-04/27/2021
Validation SOP: HW-33A (Rev 1), HW-35A (Rev 1), HW-36A (Rev 1), HW-37A (Rev 0)

QAPP:
Contractor: Weston Solutions, Inc
Reference: DCN: SAT-V.6102.0022, April 1, 2021

SUMMARY OF DEFINITIONS:
Critical: Results have an unacceptable level of uncertainty and should not be used for making decisions. Data have been qualified "R" rejected.
Major: A level of uncertainty exists that may not meet the data quality objectives for the project. A bias is likely to be present in the results. Data has been qualified "J" estimated. "J+" and "J-" represent likely direction of the bias.
Minor: The level of uncertainty is acceptable. No significant bias in the data was observed.

Critical Findings:
None.

Major Findings:
The following samples have analytes that have been qualified "J", "J+" or "J-".
VOA: BG593, BG595RE
SVOA: All samples
PEST: BG595, BG596

Minor Findings:
One or more analytes in one or more samples are qualified "J" due to results between MDL and CRQL.

COMMENTS:	**SVOA:** One or more non-detected analytes exceeded the project action levels for one or more samples.

Reviewer Name(s): Raxa J. Shelley

Approver's Signature:

Date: 06/23/2021

Name: Russell Arnone

Affiliation: USEPA/R2/HWSB/HWSS

Data Qualifier Definitions (National Functional Guidelines)			
Qualifier Symbol	**Explanation**		
	INORGANICS	**ORGANICS**	**CHLORINATED DIOXIN/FURAN**
U	The analyte was analyzed for, but was not detected above the level of the reported quantitation limit.	The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted Contract Required Quantitation Limit (CRQL) for sample and method	The analyte was analyzed for but not detected. The value preceding the "U" may represent the adjusted Contract Required Quantitation Limit (see DLM02.X, Exhibit D, Section 1.2 and Table 2), or the sample specific estimated detection limit (EDL, see Method 8290A, Section 11.9.5).
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to an issue with the quality of the data generated because certain QC criteria were not met, or the concentration of the analyte was below the adjusted CRQL).
J+	The result is an estimated quantity, but the result may be biased high.	The result is an estimated quantity, but the result may be biased high.	
J–	The result is an estimated quantity, but the result may be biased low.	The result is an estimated quantity, but the result may be biased low.	
UJ	The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.	The analyte was not detected at a level greater than or equal to the adjusted CRQL. However, the reported adjusted CRQL is approximate and may be inaccurate or imprecise.	The analyte was not detected (see definition of "U" flag, above). The reported value should be considered approximate.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
N		The analysis indicates the presence of an analyte for which there is presumptive evidence to make a “tentative identification”.	
NJ		The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	
C		This qualifier applies to pesticide and Aroclor results when the identification has been confirmed by Gas Chromatograph/Mass Spectrometer (GC/MS).	
X		This qualifier applies to pesticide and Aroclor results when GC/MS analysis was attempted but was unsuccessful.	

DATA ASSESSMENT

ANALYSIS: VOA

The current SOP HW-33A (Rev 1) September 2016, USEPA Region II for the evaluation of Volatile organic data, and all related Change Request Forms (CRF) for this SOP, generated through Statement of Work SFAM01.1, and any future editorial revisions of SFAM01.1 has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report. Tentatively Identified Compounds (TICs) for VOA organic fraction is not validated.

1. HOLDING TIME AND PRESERVATION:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". The non-detects (sample quantitation limits) will be flagged as estimated, "J", or unusable, "R", if the holding times are grossly exceeded. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. DEUTERATED MONITORING COMPOUNDS (DMC's):

All samples are spiked with DMC compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured DMC recovery limits were outside Table 6 of the SOP HW-33A (Rev 1) qualifications were applied as per Table 7 SOP HW-33A (Rev 1) to all the samples and analytes as shown below.

The following sample has DMC percent recovery values less than the primary lower limit but greater than or equal to the expanded lower limit of the criteria window. Detected compounds are qualified J-. Non-detected compounds are qualified UJ.

1,1-Dichloroethene-d2 BG593
trans-1,2-Dichloroethene, cis-1,2-Dichloroethene, 1,1-Dichloroethene

The following samples have DMC percent recoveries above the upper limit of the criteria window. Detected compounds are qualified J+. Non-detected compounds are not qualified.

Benzene-d6 BG595
Benzene

1,2-Dichloropropane-d6 BG595, BG595RE
Cyclohexane, Methylcyclohexane, 1,2-Dichloropropane, Bromodichloromethane, 1,2,3-Trichloropropane

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD):

MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with

other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

Not applicable.

4. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, trip, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the amount of contamination present in the QA blanks, the analytes are qualified as per Table 5 of SOP HW-33A (Rev 1).

A) Method blank contamination:

No additional qualification is required due to method blank contamination**.**

B) Field or rinse blank contamination:

Rinse blank samples in this SDG do not have same sampling date as the samples associated in this SDG.

C) Trip blank contamination:

Not applicable.

D) Storage Blank associated with VOA samples only:

The following samples have common contaminant analyte concentrations reported less than 2x the CRQL. The associated storage blank has common contaminant analyte concentration less than 2x the CRQL. Detected compounds are qualified U. Non-detected compounds are not qualified. Sample concentrations have been reported at the CRQLs.

Methylene chloride BG595, BG595RE

The following samples have analyte concentrations reported less than the CRQL. The associated storage blank concentration is less than the CRQL. Detected compounds are qualified U. Non-detected compounds are not qualified. Sample concentrations have been reported at the CRQLs.

Toluene BG595, BG595RE, BG596

E) Tentatively Identified Compounds:

Tentatively Identified Compounds (TICs) for VOA organic fractions are not validated.

5. MASS SPECTROMETER TUNING:

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using

standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for volatile organics is (BFB) Bromofluorobenzene. If the mass calibration is in error, all associated data will be classified as unusable "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:

The response factor measures the instrument's response to specific chemical compounds. All analytes for initial calibration, ICV and continuing calibration should meet the minimum RRF criteria as listed in Table 2 of SOP HW-33A (Rev 1). If RRF is less than minimum RRF specified in Table 2 for all target analytes, use professional judgment and all detects in the sample will be qualified as "J+" or "R". All non-detects for that compound will be rejected "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration.

Percent RSD must be less than maximum %RSD in Table 2 of SOP HW-33A (Rev 1) for all target analytes. For the Initial Calibration Verification ICV/opening or closing CCV %D must be within the inclusive opening or closing maximum %D limits as listed in Table 2 of SOP HW-33A (Rev 1) for all Target compounds. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and Non-detects are flagged "UJ" for %D values outside criteria only. If %RSD exceeds QC criteria, detects may be qualified as "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

7. INTERNAL STANDARDS PERFORMANCE GC/MS:

Internal standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must be in the range as specified in Table 9 of SOP HW-33A (Rev 1) of the associated continuing calibration internal standard area. The retention time of the internal standards must be

within the range as specified in Table 9 of SOP HW-33A (Rev 1). If the area count is greater than, all positive results quantitated using that IS are qualified as estimated "J-", and non-detects are not qualified. If the area count is less than the associated standard, all positive results for compounds quantitated with that IS are qualified as estimated "J+" and all non-detects are qualified "R".

If an internal standard retention time were not met as specified in Table 9 of SOP HW-33A (Rev 1), the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample fraction. Qualifications were applied to the samples and analytes as shown below.

The following samples have internal standard area response greater than or equal to expanded minimum criteria and less than primary minimum criteria. Detects are qualified as estimated J+. Non-detects are qualified as estimated UJ.

1,4-Dichlorobenzene-d4 BG595, BG595RE
1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-chloropropane, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Bromoform, 1,2,3-Trichloropropane,
1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene

8. FIELD DUPLICATES:

No field duplicate sample was identified in this SDG.

9. COMPOUND IDENTIFICATION:

Target compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within a window of 0.06 RRT units of the standard compound and have ion spectra which has a ratio of the primary and secondary m/z intensities within 20% of that in the standard compound. For the tentatively identified compounds (TIC) the ion spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

10. CONTRACT PROBLEMS NON-COMPLIANCE:

None.

11. FIELD DOCUMENTATION:

No problems were identified.

12. OTHER PROBLEMS:

None.

13. DILUTIONS, RE-EXTRACTIONS & REANALYSIS:

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are used. See summary report and EDD for applicable samples and analytes.

The following initial analysis and/or methanol samples were not used.
BG595, BG595ME

ANALYSIS: SVOA

The current SOP HW-35A (Rev 1) September 2016, USEPA Region II for the evaluation of Semi-Volatile organic data, and all related Change Request Forms (CRF) for this SOP, generated through Statement of Work SFAM01.1, and any future editorial revisions of SFAM01.1 has been applied. Data has been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report. Tentatively Identified Compounds (TICs) for BNA organic fraction is not validated.

1. HOLDING TIME AND PRESERVATION:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded, qualifications will be applied as per SOP HW-35A (Rev 1).

No problems were found for this criterion.

2. DEUTERATED MONITORING COMPOUNDS (DMCs):

All samples are spiked with DMC compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured DMC recovery limits were outside Table 6 of SOP HW-35A (Rev 1), qualifications were applied as per Table 7 of SOP HW-35A (Rev 1) to all the samples and analytes as shown below.

The following samples have DMC percent recoveries less than the primary lower limit but greater than or equal to the expanded lower limit of the criteria window. Detected compounds are qualified J-. Non-detected compounds are qualified UJ.

1,4-Dioxane-d8 BG595, BG596
1,4-Dioxane

4-Nitrophenol-d4 BG593, BG599
2-Nitroaniline, 3-Nitroaniline, 2,4-Dinitrophenol, 4-Nitrophenol, 4-Nitroaniline

4,6-Dinitro-2-methylphenol-d2 BG595
4,6-Dinitro-2-methylphenol

The following sample has DMC percent recovery above the upper limit of the criteria window. Detected compounds are qualified J+. Non-detected compounds are not qualified.

Pyrene-d10 BG599
Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATES (MS/MSD):

MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

Not applicable.

4. LABORATORY CONTROL RECOVERY (LCS):

LCS data is generated to determine the long-term precision and accuracy of the analytical method. The LCS may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

5. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, trip, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the amount of contamination present in the QA blanks, the analytes are qualified as per Table 5 of SOP HW-35A (Rev 1).

A) Method blank contamination:

No problems were found for this criterion.

B) Field or rinse blank contamination:

Rinse blank samples in this SDG do not have same sampling date as the samples associated in this SDG.

C) Tentatively Identified Compounds:

Tentatively Identified Compounds (TICs) for BNA organic fraction are not validated.

6. MASS SPECTROMETER TUNING:

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for Semi-volatiles is Decafluorotriphenyl-phosphine (DFTPP). If the mass calibration is in error, all associated data will be classified as unusable "R".

No problems were found for this criterion.

7. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:

The response factor measures the instrument's response to specific chemical compounds. All analytes for initial calibration, ICV and continuing calibration should meet the minimum RRF criteria as listed in Table 2 of SOP HW-35A (Rev 1). If RRF is less than minimum RRF as specified in Table 2 for all target analytes, use professional judgment and all detects in the sample will be qualified as "J+" or "R". All non-detects for that compound will be rejected "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration. Percent D is a measure of the instrument's daily performance.

Percent RSD must be less than maximum %RSD in Table 2 of SOP HW-35A (Rev 1) for all target analytes. For the ICV/opening or closing CCV %D must be within the inclusive opening or closing maximum %D limits as listed in Table 2 of SOP HW-35A (Rev 1) for all Target compounds. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and Non-detects are flagged "UJ" for %D values outside criteria only. If %RSD exceeds QC criteria, detects may be qualified as "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

The following analytes in the sample shown were qualified for %RSD and %D:

The following samples are associated with an initial calibration percent relative standard deviation (%RSD) outside criteria. Detected compounds are qualified J. Non-detected compounds are not qualified.

Nitrobenzene BG593, BG595, BG596, BG599

2-Nitroaniline BG593, BG595, BG596, BG599

2-Nitrophenol BG593, BG595, BG596, BG599

2,6-Dinitrotoluene BG593, BG595, BG596, BG599

2,4-Dinitrotoluene BG593, BG595, BG596, BG599

Butylbenzylphthalate BG593, BG595, BG596, BG599

Bis(2-ethylhexyl)phthalate BG593, BG595, BG596, BG599

8. INTERNAL STANDARDS PERFORMANCE GC/MS:

Internal standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must be in the range as specified in Table 10 of SOP HW-35A (Rev 1) of the associated continuing calibration internal standard area. The retention time of the internal standards must be within the range as specified in Table 10 of SOP HW-35A (Rev 1). If the area count is greater than, all positive results quantitated using that IS are qualified as estimated "J-", and non-detects are not qualified. If the area count is less than the associated standard, all positive results for compounds quantitated with that IS are qualified as estimated "J+" and all non-detects are qualified "R".

If an internal standard retention time were not met as specified in Table 10 of SOP HW-35A (Rev 1), the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample fraction. Qualifications were applied to the samples and analytes as shown below. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

9. FIELD DUPLICATES:

No field duplicate sample was identified in this SDG.

10. COMPOUND IDENTIFICATION:

TCL compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within 0.06 RRT units of the standard compound and have ion spectra which have a ratio of the primary and secondary m/e intensities within 20% of that in the standard compound. For the tentatively identified compounds (TIC) the ion spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

11. CONTRACT PROBLEMS NON-COMPLIANCE:

None.

12. FIELD DOCUMENTATION:

No problems were identified.

13. OTHER PROBLEMS:

None.

14. DILUTIONS, RE-EXTRACTIONS and REANALYSIS:

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are used. See summary report and EDD for applicable samples and analytes.

ANALYSIS: PEST

The current SOP HW-36A (Rev 1) October 2016, USEPA Region II for the evaluation of Pesticides data, and all related Change Request Forms (CRF) for this SOP, generated through Statement of Work SFAM01.1, and any future editorial revisions of SFAM01.1 has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report.

1. HOLDING TIME AND PRESERVATION:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". Use professional judgment to qualify the non-detects (sample quantitation limits), if the holding times are grossly exceeded. If the holding times are grossly exceeded. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. SURROGATES:

All samples are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured surrogate recovery were outside Table 7 of the SOP HW-36A (Rev 1), qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD):

MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

4. LABORATORY CONTROL RECOVERY (LCS):

LCS data is generated to determine the long-term precision and accuracy of the analytical method. The LCS may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

5. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the concentration of the analyte in the blank, the analytes are qualified as non-detects, "U". Qualifications were applied to the samples and analytes as shown below.

A) Method/Instrument blank contamination:

No problems were found for this criterion.

B) Field or rinse blank contamination: BG545, BG546

Rinse blank samples in this SDG do not have same sampling date as the samples associated in this SDG.

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):
If %RSD exceeds 20% for all analytes except alpha-BHC and delta-BHC 25%, for the two surrogates and Toxaphene 30%, qualify all associated positive results "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) The Percent Difference (%D) for each of the SCP in the PEM used for CCV must be within ±25.0%. The Percent Difference (%D) for target analyte in the Calibration Verification Standard (CS3) used for CCV must be within ±25.0%. If the %D is not within limits, associated detected compounds are qualified "J" and associated non-detected compounds are qualified "UJ". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

7. FIELD DUPLICATES:

No field duplicate sample was identified in this SDG.

8. COMPOUND IDENTIFICATION:

The retention times of reported compounds must fall within the calculated retention time windows for the two chromatographic columns and a GC/MS confirmation is required if the

concentration exceeds 10ng/ml in the final sample extract. Qualifications were applied to the samples and analytes as shown below.

Percent Differences	Qualifier
0% - 25%	No qualification
26% - 200%	J
>200% (interference detected)	NJ
>200% (interference not detected)	NJ

The following samples were qualified for % difference on the two columns.

BG595, BG596

9. CONTRACT PROBLEMS NON-COMPLIANCE:

None.

10. FIELD DOCUMENTATION:

No problems were identified.

11. OTHER PROBLEMS:

None.

12. DILUTIONS, RE-EXTRACTIONS & REANALYSIS:
Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are used. See summary report and EDD for applicable samples and analytes.

ANALYSIS: ARO

The current SOP HW-37A (Rev 0) June 2015, USEPA Region II for the evaluation of ARO data, and all related Change Request Forms (CRF) for this SOP, generated through Statement of Work SFAM01.1, and any future editorial revisions of SFAM01.1 has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report.

1. HOLDING TIME AND PRESERVATION:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". Use professional judgment to qualify the non-detects (sample quantitation limits), if the holding times are grossly exceeded. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. SURROGATES:

All samples are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured surrogate recovery were outside Table 5 of the SOP HW-37A (Rev 0), qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD):

MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

4. Laboratory Control Samples (LCS):

LCS data provides information on the accuracy of the analytical method and laboratory performance. If LCS recoveries fell outside of the acceptable limits, qualifications were applied to the associated samples and compounds as shown below.

No problems were found for this criterion.

5. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the concentration of the analyte in the blank, the analytes are qualified as non-detects U. Qualifications were applied to the samples and analytes as shown below.

A) Method/Instrument blank contamination:

No problems were found for this criterion.

B) Field or rinse blank contamination: BG545, BG546

Rinse blank samples in this SDG do not have same sampling date as the samples associated in this SDG.

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Percent Relative Standard Deviation (%RSD):

If %RSD exceeds 20% for all analytes and the two surrogates, qualify all associated positive results "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) Percent Difference (%D):

For opening CCV, or closing CCV that is used as an opening CCV for the next 12-hour period, if %D exceeds 25% for analytes and 30% for the two surrogates, qualify all associated positive results "J" and non-detects "UJ".

For closing CCV, if %D exceeds 50% for all analytes and the two surrogates, qualify all associated positive results "J" and non-detects "UJ". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

7. FIELD DUPLICATES:

No field duplicate sample was identified in this SDG.

8. COMPOUND IDENTIFICATION:

The retention times of reported compounds must fall within the calculated retention time windows for the two chromatographic columns and a GC/MS confirmation is required if the concentration exceeds 10ng/ml in the final sample extract. Qualifications were applied to the samples and analytes as shown below.

Percent Differences	**Qualifier**
0% - 25%	No qualification
26% - 200%	J
>200% (interference detected)	NJ
>200% (interference not detected)	NJ

The following samples were qualified for % difference on the two columns.

None.

9. CONTRACT PROBLEMS NON-COMPLIANCE:

None.

10. FIELD DOCUMENTATION:

No problems were identified.

11. OTHER PROBLEMS:

None.

12. DILUTIONS, RE-EXTRACTIONS & RE-ANALYSIS:

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are used. See summary report and EDD for applicable samples and analytes.

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG595** **Lab Name: Chemtech Consulting Group**

Sample Number: ABLK073	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1221	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1232	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1242	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1248	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1254	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1260	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1262	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1268	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG595** **Lab Name: Chemtech Consulting Group**

Sample Number: ABLK091	Method: Aroclors	Matrix: Water	MA Number:
Sample Location:	pH: 6	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1221	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1232	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1242	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1248	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1254	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1260	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1262	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1268	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG595** **Lab Name: Chemtech Consulting Group**

Sample Number: ALCS073	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Spike	36		ug/kg	36		1.0	YES	S3VEM
Aroclor-1221	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1232	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1242	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1248	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1254	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1260	Spike	35		ug/kg	35		1.0	YES	S3VEM
Aroclor-1262	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM
Aroclor-1268	Target	33	U	ug/kg	33	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG595** **Lab Name: Chemtech Consulting Group**

Sample Number: ALCS091	Method: Aroclors	Matrix: Water	MA Number:
Sample Location:	pH: 6	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Spike	0.96	J	ug/L	0.96	J	1.0	YES	S3VEM
Aroclor-1221	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1232	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1242	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1248	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1254	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1260	Spike	0.91	J	ug/L	0.91	J	1.0	YES	S3VEM
Aroclor-1262	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1268	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG595** **Lab Name: Chemtech Consulting Group**

Field Sample ID:6100-RIN04

Sample Number: BG593	Method: Aroclors	Matrix: Water	MA Number:
Sample Location: N/A	pH: 6	Sample Date: 04/27/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	1.2	U	ug/L	1.2	U	1.0	YES	S3VEM
Aroclor-1221	Target	1.2	U	ug/L	1.2	U	1.0	YES	S3VEM
Aroclor-1232	Target	1.2	U	ug/L	1.2	U	1.0	YES	S3VEM
Aroclor-1242	Target	1.2	U	ug/L	1.2	U	1.0	YES	S3VEM
Aroclor-1248	Target	1.2	U	ug/L	1.2	U	1.0	YES	S3VEM
Aroclor-1254	Target	1.2	U	ug/L	1.2	U	1.0	YES	S3VEM
Aroclor-1260	Target	1.2	U	ug/L	1.2	U	1.0	YES	S3VEM
Aroclor-1262	Target	1.2	U	ug/L	1.2	U	1.0	YES	S3VEM
Aroclor-1268	Target	1.2	U	ug/L	1.2	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project | **GroupID: 49391/68HERH20D0011/BG595** | **Lab Name: Chemtech Consulting Group**

Field Sample ID:6100-RIN04

Sample Number: BG593	Method: Pesticides	Matrix: Water	MA Number:
Sample Location: N/A	pH: 6	Sample Date: 04/27/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.058	U	ug/L	0.058	U	1.0	YES	S3VEM
beta-BHC	Target	0.058	U	ug/L	0.058	U	1.0	YES	S3VEM
delta-BHC	Target	0.058	U	ug/L	0.058	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.058	U	ug/L	0.058	U	1.0	YES	S3VEM
Heptachlor	Target	0.058	U	ug/L	0.058	U	1.0	YES	S3VEM
Aldrin	Target	0.058	U	ug/L	0.058	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.058	U	ug/L	0.058	U	1.0	YES	S3VEM
Endosulfan I	Target	0.058	U	ug/L	0.058	U	1.0	YES	S3VEM
Dieldrin	Target	0.12	U	ug/L	0.12	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.12	U	ug/L	0.12	U	1.0	YES	S3VEM
Endrin	Target	0.12	U	ug/L	0.12	U	1.0	YES	S3VEM
Endosulfan II	Target	0.12	U	ug/L	0.12	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.12	U	ug/L	0.12	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	0.12	U	ug/L	0.12	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.12	U	ug/L	0.12	U	1.0	YES	S3VEM
Methoxychlor	Target	0.58	U	ug/L	0.58	U	1.0	YES	S3VEM
Endrin ketone	Target	0.12	U	ug/L	0.12	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	0.12	U	ug/L	0.12	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.058	U	ug/L	0.058	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.058	U	ug/L	0.058	U	1.0	YES	S3VEM
Toxaphene	Target	5.8	U	ug/L	5.8	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG595** **Lab Name: Chemtech Consulting Group**

Field Sample ID:6100-RIN04

Sample Number: BG593	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location: N/A	pH: 6	Sample Date: 04/27/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.4	U	ug/L	2.4	U	1.0	YES	S3VEM
Benzaldehyde	Target	12	U	ug/L	12	U	1.0	YES	S3VEM
Phenol	Target	12	U	ug/L	12	U	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	12	U	ug/L	12	U	1.0	YES	S3VEM
2-Chlorophenol	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
2-Methylphenol	Target	12	U	ug/L	12	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	12	U	ug/L	12	U	1.0	YES	S3VEM
Acetophenone	Target	12	U	ug/L	12	U	1.0	YES	S3VEM
4-Methylphenol	Target	12	U	ug/L	12	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Hexachloroethane	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Nitrobenzene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Isophorone	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
2-Nitrophenol	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Naphthalene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
4-Chloroaniline	Target	12	U	ug/L	12	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Caprolactam	Target	12	U	ug/L	12	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	12	U	ug/L	12	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
2-Nitroaniline	Target	6.0	UJ	ug/L	6.0	U	1.0	YES	S3VEM
Dimethylphthalate	Target	1.7	J	ug/L	1.7	J	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Acenaphthylene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
3-Nitroaniline	Target	12	UJ	ug/L	12	U	1.0	YES	S3VEM
Acenaphthene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	12	UJ	ug/L	12	U	1.0	YES	S3VEM
4-Nitrophenol	Target	12	UJ	ug/L	12	U	1.0	YES	S3VEM
Dibenzofuran	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Diethylphthalate	Target	2.5	J	ug/L	2.5	J	1.0	YES	S3VEM
Fluorene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
4-Nitroaniline	Target	12	UJ	ug/L	12	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	12	U	ug/L	12	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Atrazine	Target	12	U	ug/L	12	U	1.0	YES	S3VEM
Pentachlorophenol	Target	12	U	ug/L	12	U	1.0	YES	S3VEM
Phenanthrene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Anthracene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Carbazole	Target	12	U	ug/L	12	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG595** **Lab Name: Chemtech Consulting Group**

Field Sample ID:6100-RIN04

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Fluoranthene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Pyrene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Butylbenzylphthalate	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	12	U	ug/L	12	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Chrysene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	12	U	ug/L	12	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	6.0	U	ug/L	6.0	U	1.0	YES	S3VEM
unknown-01	TIC	11	J	ug/L	11	J	1.0	YES	NV
Dodecanoic acid	TIC	17	JN	ug/L	17	JN	1.0	YES	NV
Hexadecanoic acid, 2-(acetyloxy)-1	TIC	5.6	JN	ug/L	5.6	JN	1.0	YES	NV
unknown-02	TIC	13	J	ug/L	13	J	1.0	YES	NV
Octadecanoic acid, 2-(acetyloxy)-1	TIC	5.7	JN	ug/L	5.7	JN	1.0	YES	NV
n-Hexadecanoic acid	TIC	3.6	JN	ug/L	3.6	JN	1.0	YES	NV
Eicosanoic acid, 2,3-bis(acetyloxy	TIC	7.4	JN	ug/L	7.4	JN	1.0	YES	NV
Propanoic acid, 2-methyl-, 3-hydro	TIC	5	JN	ug/L	5	JN	1.0	YES	NV
Myristin, 2,3-diaceto-1-	TIC	3.4	JN	ug/L	3.4	JN	1.0	YES	NV
Total Alkanes	TIC	11	B	ug/L	11	B	1.0	YES	NV
Propanoic acid, 2-methyl-, 2,2-dim	TIC	6	JN	ug/L	6	JN	1.0	YES	NV
Dodecanoic acid, 2-hydroxy-1-(hydr	TIC	3.6	JN	ug/L	3.6	JN	1.0	YES	NV
Myristin, 1,3-diaceto-2-	TIC	7.5	JN	ug/L	7.5	JN	1.0	YES	NV
Ethanol, 2-butoxy-	TIC	5.7	JN	ug/L	5.7	JN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG595** **Lab Name: Chemtech Consulting Group**

Field Sample ID:6100-RIN04

Sample Number: BG593	Method: Volatile Organics	Matrix: Water	MA Number:
Sample Location: N/A	pH: 1.0	Sample Date: 04/27/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Acetone	Target	15		ug/L	15		1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG595** **Lab Name: Chemtech Consulting Group**

Field Sample ID:6100-RIN04

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
unknown-01	TIC	4.1	JB	ug/L	4.1	JB	1.0	YES	NV
Total Alkanes	TIC		N	ug/L		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG595** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED13B

Sample Number: BG595	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: SED13/SW13	pH:	Sample Date: 04/26/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 46.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	71	U	ug/kg	71	U	1.0	YES	S3VEM
Aroclor-1221	Target	71	U	ug/kg	71	U	1.0	YES	S3VEM
Aroclor-1232	Target	71	U	ug/kg	71	U	1.0	YES	S3VEM
Aroclor-1242	Target	71	U	ug/kg	71	U	1.0	YES	S3VEM
Aroclor-1248	Target	71	U	ug/kg	71	U	1.0	YES	S3VEM
Aroclor-1254	Target	71	U	ug/kg	71	U	1.0	YES	S3VEM
Aroclor-1260	Target	71	U	ug/kg	71	U	1.0	YES	S3VEM
Aroclor-1262	Target	71	U	ug/kg	71	U	1.0	YES	S3VEM
Aroclor-1268	Target	71	U	ug/kg	71	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG595** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED13B

Sample Number: BG595	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: SED13/SW13	pH:	Sample Date: 04/26/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 46.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S3VEM
beta-BHC	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S3VEM
delta-BHC	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S3VEM
Heptachlor	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S3VEM
Aldrin	Target	0.48	J	ug/kg	0.48	JP	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.63	NJ	ug/kg	0.63	JP	1.0	YES	S3VEM
Endosulfan I	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S3VEM
Dieldrin	Target	7.1	U	ug/kg	7.1	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.61	J	ug/kg	0.61	J	1.0	YES	S3VEM
Endrin	Target	7.1	U	ug/kg	7.1	U	1.0	YES	S3VEM
Endosulfan II	Target	1.4	J	ug/kg	1.4	J	1.0	YES	S3VEM
4,4'-DDD	Target	1.7	J	ug/kg	1.7	JP	1.0	YES	S3VEM
Endosulfan Sulfate	Target	1.5	NJ	ug/kg	1.5	JP	1.0	YES	S3VEM
4,4'-DDT	Target	7.1	U	ug/kg	7.1	U	1.0	YES	S3VEM
Methoxychlor	Target	37	U	ug/kg	37	U	1.0	YES	S3VEM
Endrin ketone	Target	7.1	U	ug/kg	7.1	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	0.70	J	ug/kg	0.70	JP	1.0	YES	S3VEM
cis-Chlordane	Target	3.7	U	ug/kg	3.7	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.75	NJ	ug/kg	0.75	JP	1.0	YES	S3VEM
Toxaphene	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG595** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED13B

Sample Number: BG595	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SED13/SW13	pH:	Sample Date: 04/26/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 46.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	140	UJ	ug/kg	140	U	1.0	YES	S3VEM
Benzaldehyde	Target	710	U	ug/kg	710	U	1.0	YES	S3VEM
Phenol	Target	710	U	ug/kg	710	U	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	710	U	ug/kg	710	U	1.0	YES	S3VEM
2-Chlorophenol	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
2-Methylphenol	Target	710	U	ug/kg	710	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	710	U	ug/kg	710	U	1.0	YES	S3VEM
Acetophenone	Target	710	U	ug/kg	710	U	1.0	YES	S3VEM
4-Methylphenol	Target	710	U	ug/kg	710	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
Hexachloroethane	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
Nitrobenzene	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
Isophorone	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
2-Nitrophenol	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
Naphthalene	Target	240	J	ug/kg	240	J	1.0	YES	S3VEM
4-Chloroaniline	Target	710	U	ug/kg	710	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
Caprolactam	Target	710	U	ug/kg	710	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	190	J	ug/kg	190	J	1.0	YES	S3VEM
2-Methylnaphthalene	Target	110	J	ug/kg	110	J	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	710	U	ug/kg	710	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
2-Nitroaniline	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
Dimethylphthalate	Target	130	J	ug/kg	130	J	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
Acenaphthylene	Target	230	J	ug/kg	230	J	1.0	YES	S3VEM
3-Nitroaniline	Target	710	U	ug/kg	710	U	1.0	YES	S3VEM
Acenaphthene	Target	250	J	ug/kg	250	J	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	710	U	ug/kg	710	U	1.0	YES	S3VEM
4-Nitrophenol	Target	710	U	ug/kg	710	U	1.0	YES	S3VEM
Dibenzofuran	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
Diethylphthalate	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
Fluorene	Target	260	J	ug/kg	260	J	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
4-Nitroaniline	Target	710	U	ug/kg	710	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	710	UJ	ug/kg	710	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
Atrazine	Target	710	U	ug/kg	710	U	1.0	YES	S3VEM
Pentachlorophenol	Target	710	U	ug/kg	710	U	1.0	YES	S3VEM
Phenanthrene	Target	1800		ug/kg	1800		1.0	YES	S3VEM
Anthracene	Target	700		ug/kg	700		1.0	YES	S3VEM
Carbazole	Target	710	U	ug/kg	710	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG595** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED13B

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
Fluoranthene	Target	2700		ug/kg	2700		1.0	YES	S3VEM
Pyrene	Target	3300		ug/kg	3300		1.0	YES	S3VEM
Butylbenzylphthalate	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	710	U	ug/kg	710	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	1800		ug/kg	1800		1.0	YES	S3VEM
Chrysene	Target	1700		ug/kg	1700		1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	710	U	ug/kg	710	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	1500		ug/kg	1500		1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	360	J	ug/kg	360	J	1.0	YES	S3VEM
Benzo(a)pyrene	Target	1600		ug/kg	1600		1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	560		ug/kg	560		1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	210	J	ug/kg	210	J	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	660		ug/kg	660		1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	370	U	ug/kg	370	U	1.0	YES	S3VEM
Ethanol, 2-(tetradecyloxy)-	TIC	340	JN	ug/kg	340	JN	1.0	YES	NV
1-Methyldibenzothiophene	TIC	390	JN	ug/kg	390	JN	1.0	YES	NV
unknown-01	TIC	190	J	ug/kg	190	J	1.0	YES	NV
unknown-02	TIC	370	J	ug/kg	370	J	1.0	YES	NV
Naphthalene, 2,3,6-trimethyl-	TIC	310	JN	ug/kg	310	JN	1.0	YES	NV
Naphthalene, decahydro-2-methyl-	TIC	170	JN	ug/kg	170	JN	1.0	YES	NV
Phenanthrene, 2,5-dimethyl-	TIC	630	JN	ug/kg	630	JN	1.0	YES	NV
7-Isopropenyl-1,4a-dimethyl-4,4a,5	TIC	1500	JN	ug/kg	1500	JN	1.0	YES	NV
Phenanthrene, 2-methyl-	TIC	680	JN	ug/kg	680	JN	1.0	YES	NV
10,18-Bisnorabieta-5,7,9(10),11,13	TIC	800	JN	ug/kg	800	JN	1.0	YES	NV
unknown-04	TIC	180	J	ug/kg	180	J	1.0	YES	NV
4H-Cyclopenta[def]phenanthrene	TIC	1500	JN	ug/kg	1500	JN	1.0	YES	NV
11H-Benzo[b]fluorene	TIC	470	JN	ug/kg	470	JN	1.0	YES	NV
5,16[1,2]:8,13[1,2]-Dibenzen	TIC	280	JN	ug/kg	280	JN	1.0	YES	NV
trans-Decalin, 2-methyl-	TIC	210	JN	ug/kg	210	JN	1.0	YES	NV
unknown-03	TIC	430	J	ug/kg	430	J	1.0	YES	NV
2-Ethylhexyl mercaptoacetate	TIC	940	JN	ug/kg	940	JN	1.0	YES	NV
Naphthalene, 1,6,7-trimethyl-	TIC	320	JN	ug/kg	320	JN	1.0	YES	NV
11H-Benzo[a]fluorene	TIC	400	JN	ug/kg	400	JN	1.0	YES	NV
Naphthalene, 1,6-dimethyl-	TIC	270	JN	ug/kg	270	JN	1.0	YES	NV
4b,8-Dimethyl-2-isopropylphenanthr	TIC	640	JN	ug/kg	640	JN	1.0	YES	NV
18-Norabietane	TIC	720	JN	ug/kg	720	JN	1.0	YES	NV
Total Alkanes	TIC	8800	N	ug/kg	8800	N	1.0	YES	NV
Retene	TIC	1300	JN	ug/kg	1300	JN	1.0	YES	NV
Phenanthrene, 1,7-dimethyl-	TIC	370	JN	ug/kg	370	JN	1.0	YES	NV
Naphthalene, 1,4-dimethyl-	TIC	230	JN	ug/kg	230	JN	1.0	YES	NV
Naphthalene, 1,4,6-trimethyl-	TIC	270	JN	ug/kg	270	JN	1.0	YES	NV
Anthracene, 9-methyl-	TIC	600	JN	ug/kg	600	JN	1.0	YES	NV
1H-Cyclopropa[l]phenanthrene,1a,9b	TIC	540	JN	ug/kg	540	JN	1.0	YES	NV
Naphthalene, 2,3-dimethyl-	TIC	360	JN	ug/kg	360	JN	1.0	YES	NV
Anthracene, 2-methyl-	TIC	1100	JN	ug/kg	1100	JN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG595** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED13B

Sample Number: BG595	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED13/SW13	pH:	Sample Date: 04/26/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 46.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Chloromethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Vinyl chloride	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Bromomethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Chloroethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Acetone	Target	180		ug/kg	180		1.0	YES	S3VEM
Carbon disulfide	Target	4.5	J	ug/kg	4.5	J	1.0	YES	S3VEM
Methyl Acetate	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Methylene chloride	Target	13	U	ug/kg	16		1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
2-Butanone	Target	64		ug/kg	64		1.0	YES	S3VEM
Bromochloromethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Chloroform	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Cyclohexane	Target	2.2	J+	ug/kg	2.2	J	1.0	YES	S3VEM
Carbon tetrachloride	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Benzene	Target	6.8	J	ug/kg	6.8	J	1.0	YES	S3VEM
1,2-Dichloroethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Trichloroethene	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Methylcyclohexane	Target	29	J+	ug/kg	29		1.0	YES	S3VEM
1,2-Dichloropropane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Bromodichloromethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	26	U	ug/kg	26	U	1.0	YES	S3VEM
Toluene	Target	13	U	ug/kg	3.9	JB	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Tetrachloroethene	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
2-Hexanone	Target	26	U	ug/kg	26	U	1.0	YES	S3VEM
Dibromochloromethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Chlorobenzene	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Ethylbenzene	Target	2.1	J	ug/kg	2.1	J	1.0	YES	S3VEM
o-Xylene	Target	15		ug/kg	15		1.0	YES	S3VEM
m,p-Xylene	Target	3.1	J	ug/kg	3.1	J	1.0	YES	S3VEM
Styrene	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
Bromoform	Target	13	UJ	ug/kg	13	U	1.0	YES	S3VEM
Isopropylbenzene	Target	19		ug/kg	19		1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	13	UJ	ug/kg	13	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	13	U	ug/kg	13	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	13	UJ	ug/kg	13	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	13	UJ	ug/kg	13	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	13	UJ	ug/kg	13	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	13	UJ	ug/kg	13	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	15	J+	ug/kg	15		1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	4.8	J+	ug/kg	4.8	J	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG595** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED13B

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	13	UJ	ug/kg	13	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	13	UJ	ug/kg	13	U	1.0	YES	S3VEM
unknown-02	TIC	8.1	J	ug/kg	8.1	J	1.0	YES	NV
Total Alkanes	TIC	11000	BN	ug/kg	11000	BN	1.0	YES	NV
unknown-06	TIC	180	J	ug/kg	180	J	1.0	YES	NV
unknown-04	TIC	280	J	ug/kg	280	J	1.0	YES	NV
unknown-03	TIC	360	J	ug/kg	360	J	1.0	YES	NV
unknown-05	TIC	500	J	ug/kg	500	J	1.0	YES	NV
Piperidine	TIC	84	JN	ug/kg	84	JN	1.0	YES	NV
Benzocycloheptatriene	TIC	230	JN	ug/kg	230	JN	1.0	YES	NV
1-(1-Propynyl)cyclohexanol	TIC	12	JN	ug/kg	12	JN	1.0	YES	NV
Naphthalene, decahydro-2-methyl-	TIC	510	JN	ug/kg	510	JN	1.0	YES	NV
D-Limonene	TIC	9700	JN	ug/kg	9700	JN	1.0	YES	NV
1,3-Cyclopentadiene, 1,2,3,4-tetra	TIC	790	JN	ug/kg	790	JN	1.0	YES	NV
Methoxyacetic acid, 2-ethylhexyl e	TIC	150	JN	ug/kg	150	JN	1.0	YES	NV
Sulfurous acid, cyclohexylmethyl o	TIC	300	JN	ug/kg	300	JN	1.0	YES	NV
Oxalic acid, bis(6-ethyloct-3-yl)	TIC	92	JN	ug/kg	92	JN	1.0	YES	NV
unknown-01	TIC	10	J	ug/kg	10	J	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG595** **Lab Name: Chemtech Consulting Group**

Sample Number: BG595ME	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED13/SW13	pH:	Sample Date: 04/26/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 46.3	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	1000	U	ug/kg	1000	U	1.0	NO	S3VEM
Chloromethane	Target	1000	U	ug/kg	1000	U	1.0	NO	S3VEM
Vinyl chloride	Target	1000	U	ug/kg	1000	U	1.0	NO	S3VEM
Bromomethane	Target	1000	U	ug/kg	1000	U	1.0	NO	S3VEM
Chloroethane	Target	1000	U	ug/kg	1000	U	1.0	NO	S3VEM
Trichlorofluoromethane	Target	1000	U	ug/kg	1000	U	1.0	NO	S3VEM
1,1-Dichloroethene	Target	1000	U	ug/kg	1000	U	1.0	NO	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	1000	U	ug/kg	1000	U	1.0	NO	S3VEM
Acetone	Target	2000	U	ug/kg	2000	U	1.0	NO	S3VEM
Carbon disulfide	Target	1000	U	ug/kg	1000	U	1.0	NO	S3VEM
Methyl Acetate	Target	1000	U	ug/kg	1000	U	1.0	NO	S3VEM
Methylene chloride	Target	1000	U	ug/kg	1000	U	1.0	NO	S3VEM
trans-1,2-Dichloroethene	Target	1000	U	ug/kg	1000	U	1.0	NO	S3VEM
Methyl tert-butyl Ether	Target	1000	U	ug/kg	1000	U	1.0	NO	S3VEM
1,1-Dichloroethane	Target	1000	U	ug/kg	1000	U	1.0	NO	S3VEM
cis-1,2-Dichloroethene	Target	1000	U	ug/kg	1000	U	1.0	NO	S3VEM
2-Butanone	Target	2000	U	ug/kg	2000	U	1.0	NO	S3VEM
Bromochloromethane	Target	1000	U	ug/kg	1000	U	1.0	NO	S3VEM
Chloroform	Target	1000	U	ug/kg	1000	U	1.0	NO	S3VEM
1,1,1-Trichloroethane	Target	1000	U	ug/kg	1000	U	1.0	NO	S3VEM
Cyclohexane	Target	1000	U	ug/kg	1000	U	1.0	NO	S3VEM
Carbon tetrachloride	Target	1000	U	ug/kg	1000	U	1.0	NO	S3VEM
Benzene	Target	1000	U	ug/kg	1000	U	1.0	NO	S3VEM
1,2-Dichloroethane	Target	1000	U	ug/kg	1000	U	1.0	NO	S3VEM
Trichloroethene	Target	1000	U	ug/kg	1000	U	1.0	NO	S3VEM
Methylcyclohexane	Target	1000	U	ug/kg	1000	U	1.0	NO	S3VEM
1,2-Dichloropropane	Target	1000	U	ug/kg	1000	U	1.0	NO	S3VEM
Bromodichloromethane	Target	1000	U	ug/kg	1000	U	1.0	NO	S3VEM
cis-1,3-Dichloropropene	Target	1000	U	ug/kg	1000	U	1.0	NO	S3VEM
4-Methyl-2-pentanone	Target	2000	U	ug/kg	2000	U	1.0	NO	S3VEM
Toluene	Target	1000	U	ug/kg	1000	U	1.0	NO	S3VEM
trans-1,3-Dichloropropene	Target	1000	U	ug/kg	1000	U	1.0	NO	S3VEM
1,1,2-Trichloroethane	Target	1000	U	ug/kg	1000	U	1.0	NO	S3VEM
Tetrachloroethene	Target	1000	U	ug/kg	1000	U	1.0	NO	S3VEM
2-Hexanone	Target	2000	U	ug/kg	2000	U	1.0	NO	S3VEM
Dibromochloromethane	Target	1000	U	ug/kg	1000	U	1.0	NO	S3VEM
1,2-Dibromoethane	Target	1000	U	ug/kg	1000	U	1.0	NO	S3VEM
Chlorobenzene	Target	1000	U	ug/kg	1000	U	1.0	NO	S3VEM
Ethylbenzene	Target	1000	U	ug/kg	1000	U	1.0	NO	S3VEM
o-Xylene	Target	1000	U	ug/kg	1000	U	1.0	NO	S3VEM
m,p-Xylene	Target	1000	U	ug/kg	1000	U	1.0	NO	S3VEM
Styrene	Target	1000	U	ug/kg	1000	U	1.0	NO	S3VEM
Bromoform	Target	1000	U	ug/kg	1000	U	1.0	NO	S3VEM
Isopropylbenzene	Target	1000	U	ug/kg	1000	U	1.0	NO	S3VEM
1,2,3-Trichloropropane	Target	1000	U	ug/kg	1000	U	1.0	NO	S3VEM
1,1,2,2-Tetrachloroethane	Target	1000	U	ug/kg	1000	U	1.0	NO	S3VEM
1,3-Dichlorobenzene	Target	1000	U	ug/kg	1000	U	1.0	NO	S3VEM
1,4-Dichlorobenzene	Target	1000	U	ug/kg	1000	U	1.0	NO	S3VEM
1,2-Dichlorobenzene	Target	1000	U	ug/kg	1000	U	1.0	NO	S3VEM
1,2-Dibromo-3-chloropropane	Target	1000	U	ug/kg	1000	U	1.0	NO	S3VEM
1,2,4-Trimethylbenzene	Target	1000	U	ug/kg	1000	U	1.0	NO	S3VEM
1,3,5-Trimethylbenzene	Target	1000	U	ug/kg	1000	U	1.0	NO	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG595** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	1000	U	ug/kg	1000	U	1.0	NO	S3VEM
1,2,3-Trichlorobenzene	Target	1000	U	ug/kg	1000	U	1.0	NO	S3VEM
Sulfurous acid, cyclohexylmethyl h	TIC	1200	JN	ug/kg	1200	JN	1.0	NO	NV
1,4-Methanonaphthalene, 1,4-dihydro-	TIC	4000	JN	ug/kg	4000	JN	1.0	NO	NV
1-Methyldecahydronaphthalene	TIC	2200	JN	ug/kg	2200	JN	1.0	NO	NV
Total Alkanes	TIC	15000	BN	ug/kg	15000	BN	1.0	NO	NV
Naphthalene, 1,4-dimethyl-	TIC	2700	JN	ug/kg	2700	JN	1.0	NO	NV
unknown-01	TIC	640	J	ug/kg	640	J	1.0	NO	NV
unknown-02	TIC	560	J	ug/kg	560	J	1.0	NO	NV
Decyl isobutyl carbonate	TIC	660	JN	ug/kg	660	JN	1.0	NO	NV
Naphthalene, 2,7-dimethyl-	TIC	2800	JN	ug/kg	2800	JN	1.0	NO	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG595** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED13C

Sample Number: BG596	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location: SED13/SW13	pH:	Sample Date: 04/26/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 60.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	54	U	ug/kg	54	U	1.0	YES	S3VEM
Aroclor-1221	Target	54	U	ug/kg	54	U	1.0	YES	S3VEM
Aroclor-1232	Target	54	U	ug/kg	54	U	1.0	YES	S3VEM
Aroclor-1242	Target	54	U	ug/kg	54	U	1.0	YES	S3VEM
Aroclor-1248	Target	54	U	ug/kg	54	U	1.0	YES	S3VEM
Aroclor-1254	Target	54	U	ug/kg	54	U	1.0	YES	S3VEM
Aroclor-1260	Target	54	U	ug/kg	54	U	1.0	YES	S3VEM
Aroclor-1262	Target	54	U	ug/kg	54	U	1.0	YES	S3VEM
Aroclor-1268	Target	54	U	ug/kg	54	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG595** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED13C

Sample Number: BG596	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location: SED13/SW13	pH:	Sample Date: 04/26/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 60.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	2.8	U	ug/kg	2.8	U	1.0	YES	S3VEM
beta-BHC	Target	0.61	NJ	ug/kg	0.61	JP	1.0	YES	S3VEM
delta-BHC	Target	0.38	J	ug/kg	0.38	JP	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	2.8	U	ug/kg	2.8	U	1.0	YES	S3VEM
Heptachlor	Target	2.8	U	ug/kg	2.8	U	1.0	YES	S3VEM
Aldrin	Target	0.39	J	ug/kg	0.39	J	1.0	YES	S3VEM
Heptachlor epoxide	Target	2.8	U	ug/kg	2.8	U	1.0	YES	S3VEM
Endosulfan I	Target	2.8	U	ug/kg	2.8	U	1.0	YES	S3VEM
Dieldrin	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S3VEM
4,4'-DDE	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S3VEM
Endrin	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S3VEM
Endosulfan II	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.48	NJ	ug/kg	0.48	JP	1.0	YES	S3VEM
Endosulfan Sulfate	Target	0.83	J	ug/kg	0.83	JP	1.0	YES	S3VEM
4,4'-DDT	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S3VEM
Methoxychlor	Target	28	U	ug/kg	28	U	1.0	YES	S3VEM
Endrin ketone	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	5.4	U	ug/kg	5.4	U	1.0	YES	S3VEM
cis-Chlordane	Target	2.8	U	ug/kg	2.8	U	1.0	YES	S3VEM
trans-Chlordane	Target	2.5	J	ug/kg	2.5	J	1.0	YES	S3VEM
Toxaphene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG595** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED13C

Sample Number: BG596	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location: SED13/SW13	pH:	Sample Date: 04/26/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 60.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	110	UJ	ug/kg	110	U	1.0	YES	S3VEM
Benzaldehyde	Target	540	U	ug/kg	540	U	1.0	YES	S3VEM
Phenol	Target	540	U	ug/kg	540	U	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	540	U	ug/kg	540	U	1.0	YES	S3VEM
2-Chlorophenol	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
2-Methylphenol	Target	540	U	ug/kg	540	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	540	U	ug/kg	540	U	1.0	YES	S3VEM
Acetophenone	Target	540	U	ug/kg	540	U	1.0	YES	S3VEM
4-Methylphenol	Target	540	U	ug/kg	540	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Hexachloroethane	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Nitrobenzene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Isophorone	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
2-Nitrophenol	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Naphthalene	Target	70	J	ug/kg	70	J	1.0	YES	S3VEM
4-Chloroaniline	Target	540	U	ug/kg	540	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Caprolactam	Target	540	U	ug/kg	540	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	130	J	ug/kg	130	J	1.0	YES	S3VEM
2-Methylnaphthalene	Target	87	J	ug/kg	87	J	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	540	U	ug/kg	540	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
2-Nitroaniline	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Dimethylphthalate	Target	63	J	ug/kg	63	J	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Acenaphthylene	Target	83	J	ug/kg	83	J	1.0	YES	S3VEM
3-Nitroaniline	Target	540	U	ug/kg	540	U	1.0	YES	S3VEM
Acenaphthene	Target	180	J	ug/kg	180	J	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	540	U	ug/kg	540	U	1.0	YES	S3VEM
4-Nitrophenol	Target	540	U	ug/kg	540	U	1.0	YES	S3VEM
Dibenzofuran	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Diethylphthalate	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Fluorene	Target	140	J	ug/kg	140	J	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
4-Nitroaniline	Target	540	U	ug/kg	540	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	540	U	ug/kg	540	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	100	J	ug/kg	100	J	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Atrazine	Target	540	U	ug/kg	540	U	1.0	YES	S3VEM
Pentachlorophenol	Target	540	U	ug/kg	540	U	1.0	YES	S3VEM
Phenanthrene	Target	820		ug/kg	820		1.0	YES	S3VEM
Anthracene	Target	270	J	ug/kg	270	J	1.0	YES	S3VEM
Carbazole	Target	540	U	ug/kg	540	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG595** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED13C

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Fluoranthene	Target	760		ug/kg	760		1.0	YES	S3VEM
Pyrene	Target	950		ug/kg	950		1.0	YES	S3VEM
Butylbenzylphthalate	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	540	U	ug/kg	540	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	400		ug/kg	400		1.0	YES	S3VEM
Chrysene	Target	420		ug/kg	420		1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	540	U	ug/kg	540	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	380		ug/kg	380		1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	110	J	ug/kg	110	J	1.0	YES	S3VEM
Benzo(a)pyrene	Target	370		ug/kg	370		1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	140	J	ug/kg	140	J	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	160	J	ug/kg	160	J	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM
Fluoranthene, 2-methyl-	TIC	160	JN	ug/kg	160	JN	1.0	YES	NV
Naphthalene, 2,3-dimethyl-	TIC	160	JN	ug/kg	160	JN	1.0	YES	NV
Anthracene, 9-methyl-	TIC	300	JN	ug/kg	300	JN	1.0	YES	NV
Phenanthrene, 3,6-dimethyl-	TIC	180	JN	ug/kg	180	JN	1.0	YES	NV
4b,8-Dimethyl-2-isopropylphenanthr	TIC	610	JN	ug/kg	610	JN	1.0	YES	NV
Anthracene, 2-methyl-	TIC	530	JN	ug/kg	530	JN	1.0	YES	NV
Naphtho[2,3-b]norbornadiene	TIC	210	JN	ug/kg	210	JN	1.0	YES	NV
Total Alkanes	TIC	2400	N	ug/kg	2400	N	1.0	YES	NV
4H-Cyclopenta[def]phenanthrene	TIC	640	JN	ug/kg	640	JN	1.0	YES	NV
Phenanthrene, 2,5-dimethyl-	TIC	170	JN	ug/kg	170	JN	1.0	YES	NV
11H-Benzo[b]fluorene	TIC	150	JN	ug/kg	150	JN	1.0	YES	NV
Retene	TIC	290	JN	ug/kg	290	JN	1.0	YES	NV
1,4-Diphenyl-1,3-butadiene	TIC	150	JN	ug/kg	150	JN	1.0	YES	NV
10,18-Bisnorabieta-5,7,9(10),11,13	TIC	380	JN	ug/kg	380	JN	1.0	YES	NV
18-Norabietane	TIC	1100	JN	ug/kg	1100	JN	1.0	YES	NV
3,5-Dichlorobenzyl alcohol, (3-cya	TIC	280	JN	ug/kg	280	JN	1.0	YES	NV
Phenanthrene, 2-methyl-	TIC	280	JN	ug/kg	280	JN	1.0	YES	NV
Naphthalene, 1,6-dimethyl-	TIC	140	JN	ug/kg	140	JN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG595** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED13C

Sample Number: BG596	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location: SED13/SW13	pH:	Sample Date: 04/26/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 60.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
Chloromethane	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
Vinyl chloride	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
Bromomethane	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
Chloroethane	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
Acetone	Target	90		ug/kg	90		1.0	YES	S3VEM
Carbon disulfide	Target	1.5	J	ug/kg	1.5	J	1.0	YES	S3VEM
Methyl Acetate	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
Methylene chloride	Target	24		ug/kg	24	B	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
2-Butanone	Target	31		ug/kg	31		1.0	YES	S3VEM
Bromochloromethane	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
Chloroform	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
Cyclohexane	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
Benzene	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
Trichloroethene	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
Methylcyclohexane	Target	2.6	J	ug/kg	2.6	J	1.0	YES	S3VEM
1,2-Dichloropropane	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
Bromodichloromethane	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	20	U	ug/kg	20	U	1.0	YES	S3VEM
Toluene	Target	9.9	U	ug/kg	1.9	JB	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
Tetrachloroethene	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
2-Hexanone	Target	20	U	ug/kg	20	U	1.0	YES	S3VEM
Dibromochloromethane	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
Chlorobenzene	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
Ethylbenzene	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
o-Xylene	Target	6	J	ug/kg	6	J	1.0	YES	S3VEM
m,p-Xylene	Target	2.3	J	ug/kg	2.3	J	1.0	YES	S3VEM
Styrene	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
Bromoform	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
Isopropylbenzene	Target	18		ug/kg	18		1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.4	J	ug/kg	5.4	J	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	2.1	J	ug/kg	2.1	J	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG595** **Lab Name: Chemtech Consulting Group**

Field Sample ID: 6100-SED13C

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	9.9	U	ug/kg	9.9	U	1.0	YES	S3VEM
Total Alkanes	TIC	24	BN	ug/kg	24	BN	1.0	YES	NV
1,4-Methanonaphthalene, 1,4-dihydr	TIC	460	JN	ug/kg	460	JN	1.0	YES	NV
Naphthalene, decahydro-2-methyl-	TIC	13	JN	ug/kg	13	JN	1.0	YES	NV
2-Methylindene	TIC	55	JN	ug/kg	55	JN	1.0	YES	NV
Benzene, 1,3-diethyl-5-methyl-	TIC	17	JN	ug/kg	17	JN	1.0	YES	NV
Naphthalene, 1,2,3,4-tetrahydro-6-	TIC	15	JN	ug/kg	15	JN	1.0	YES	NV
Benzene, 1-ethyl-2,4-dimethyl-	TIC	38	JN	ug/kg	38	JN	1.0	YES	NV
Benzene, 2-ethenyl-1,3,5-trimethyl	TIC	90	JN	ug/kg	90	JN	1.0	YES	NV
Benzene, pentamethyl-	TIC	37	JN	ug/kg	37	JN	1.0	YES	NV
Benzene, 1-ethyl-2-methyl-	TIC	59	JN	ug/kg	59	JN	1.0	YES	NV
Naphthalene, 1,3-dimethyl-	TIC	15	JN	ug/kg	15	JN	1.0	YES	NV
Benzene, 1,2,3,5-tetramethyl-	TIC	17	JN	ug/kg	17	JN	1.0	YES	NV
Indane	TIC	82	JN	ug/kg	82	JN	1.0	YES	NV
Benzocycloheptatriene	TIC	28	JN	ug/kg	28	JN	1.0	YES	NV
Benzene, 1,2,4,5-tetramethyl-	TIC	64	JN	ug/kg	64	JN	1.0	YES	NV
unknown-03	TIC	40	J	ug/kg	40	J	1.0	YES	NV
unknown-04	TIC	38	J	ug/kg	38	J	1.0	YES	NV
unknown-02	TIC	19	J	ug/kg	19	J	1.0	YES	NV
unknown-01	TIC	11	J	ug/kg	11	J	1.0	YES	NV
Benzene, 1-ethenyl-3-ethyl-	TIC	74	JN	ug/kg	74	JN	1.0	YES	NV
1H-Indene, 2,3-dihydro-4,7-dimethy	TIC	27	JN	ug/kg	27	JN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG595** **Lab Name: Chemtech Consulting Group**

Sample Number: BG596MS	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 04/26/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 60.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Spike	160		ug/kg	160		1.0	YES	S3VEM
Aroclor-1221	Target	54	U	ug/kg	54	U	1.0	YES	S3VEM
Aroclor-1232	Target	54	U	ug/kg	54	U	1.0	YES	S3VEM
Aroclor-1242	Target	54	U	ug/kg	54	U	1.0	YES	S3VEM
Aroclor-1248	Target	54	U	ug/kg	54	U	1.0	YES	S3VEM
Aroclor-1254	Target	54	U	ug/kg	54	U	1.0	YES	S3VEM
Aroclor-1260	Spike	150		ug/kg	150		1.0	YES	S3VEM
Aroclor-1262	Target	54	U	ug/kg	54	U	1.0	YES	S3VEM
Aroclor-1268	Target	54	U	ug/kg	54	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG595** **Lab Name: Chemtech Consulting Group**

Sample Number: BG596MS	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 04/26/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 60.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Spike	13	J-	ug/kg	13	P*	1.0	YES	S3VEM
beta-BHC	Spike	17		ug/kg	17	*	1.0	YES	S3VEM
delta-BHC	Spike	7.4		ug/kg	7.4	*	1.0	YES	S3VEM
gamma-BHC (Lindane)	Spike	16		ug/kg	16		1.0	YES	S3VEM
Heptachlor	Spike	14	J	ug/kg	14	P	1.0	YES	S3VEM
Aldrin	Spike	14		ug/kg	14		1.0	YES	S3VEM
Heptachlor epoxide	Spike	12	J	ug/kg	12	P*	1.0	YES	S3VEM
Endosulfan I	Spike	14	J	ug/kg	14	P*	1.0	YES	S3VEM
Dieldrin	Spike	27	J	ug/kg	27	P	1.0	YES	S3VEM
4,4'-DDE	Spike	22	J	ug/kg	22	P*	1.0	YES	S3VEM
Endrin	Spike	28	J	ug/kg	28	P	1.0	YES	S3VEM
Endosulfan II	Spike	27	J	ug/kg	27	P*	1.0	YES	S3VEM
4,4'-DDD	Spike	28		ug/kg	28	*	1.0	YES	S3VEM
Endosulfan Sulfate	Spike	22	J	ug/kg	22	P*	1.0	YES	S3VEM
4,4'-DDT	Spike	26	J	ug/kg	26	P	1.0	YES	S3VEM
Methoxychlor	Spike	150		ug/kg	150	*	1.0	YES	S3VEM
Endrin ketone	Spike	28		ug/kg	28	*	1.0	YES	S3VEM
Endrin Aldehyde	Spike	26		ug/kg	26	*	1.0	YES	S3VEM
cis-Chlordane	Spike	14		ug/kg	14	*	1.0	YES	S3VEM
trans-Chlordane	Spike	17		ug/kg	17	*	1.0	YES	S3VEM
Toxaphene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG595** **Lab Name: Chemtech Consulting Group**

Sample Number: BG596MSD	Method: Aroclors	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 04/26/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 60.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Spike	170		ug/kg	170		1.0	YES	S3VEM
Aroclor-1221	Target	54	U	ug/kg	54	U	1.0	YES	S3VEM
Aroclor-1232	Target	54	U	ug/kg	54	U	1.0	YES	S3VEM
Aroclor-1242	Target	54	U	ug/kg	54	U	1.0	YES	S3VEM
Aroclor-1248	Target	54	U	ug/kg	54	U	1.0	YES	S3VEM
Aroclor-1254	Target	54	U	ug/kg	54	U	1.0	YES	S3VEM
Aroclor-1260	Spike	160		ug/kg	160		1.0	YES	S3VEM
Aroclor-1262	Target	54	U	ug/kg	54	U	1.0	YES	S3VEM
Aroclor-1268	Target	54	U	ug/kg	54	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG595** **Lab Name: Chemtech Consulting Group**

Sample Number: BG596MSD	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 04/26/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 60.7	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Spike	13	J-	ug/kg	13	P*	1.0	YES	S3VEM
beta-BHC	Spike	17		ug/kg	17	*	1.0	YES	S3VEM
delta-BHC	Spike	7.3		ug/kg	7.3	*	1.0	YES	S3VEM
gamma-BHC (Lindane)	Spike	16		ug/kg	16		1.0	YES	S3VEM
Heptachlor	Spike	14	J	ug/kg	14	P	1.0	YES	S3VEM
Aldrin	Spike	14		ug/kg	14		1.0	YES	S3VEM
Heptachlor epoxide	Spike	12	J	ug/kg	12	P*	1.0	YES	S3VEM
Endosulfan I	Spike	14	J	ug/kg	14	P*	1.0	YES	S3VEM
Dieldrin	Spike	26	J	ug/kg	26	P	1.0	YES	S3VEM
4,4'-DDE	Spike	22	J	ug/kg	22	P*	1.0	YES	S3VEM
Endrin	Spike	29		ug/kg	29		1.0	YES	S3VEM
Endosulfan II	Spike	27	J	ug/kg	27	P*	1.0	YES	S3VEM
4,4'-DDD	Spike	27		ug/kg	27	*	1.0	YES	S3VEM
Endosulfan Sulfate	Spike	22	J	ug/kg	22	P*	1.0	YES	S3VEM
4,4'-DDT	Spike	26	J	ug/kg	26	P	1.0	YES	S3VEM
Methoxychlor	Spike	150		ug/kg	150	*	1.0	YES	S3VEM
Endrin ketone	Spike	27		ug/kg	27	*	1.0	YES	S3VEM
Endrin Aldehyde	Spike	26		ug/kg	26	*	1.0	YES	S3VEM
cis-Chlordane	Spike	14		ug/kg	14	*	1.0	YES	S3VEM
trans-Chlordane	Spike	16		ug/kg	16	*	1.0	YES	S3VEM
Toxaphene	Target	280	U	ug/kg	280	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project | **GroupID: 49391/68HERH20D0011/BG595** | **Lab Name: Chemtech Consulting Group**

Field Sample ID:6100-RIN05

Sample Number: BG599	Method: Aroclors	Matrix: Water	MA Number:
Sample Location: N/A	pH: 6	Sample Date: 04/27/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1221	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1232	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1242	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1248	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1254	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1260	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1262	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1268	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG595** **Lab Name: Chemtech Consulting Group**

Field Sample ID:6100-RIN05

Sample Number: BG599	Method: Pesticides	Matrix: Water	MA Number:
Sample Location: N/A	pH: 6	Sample Date: 04/27/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
beta-BHC	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
delta-BHC	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Heptachlor	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Aldrin	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endosulfan I	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Dieldrin	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
Endrin	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
Endosulfan II	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
Methoxychlor	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Endrin ketone	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Toxaphene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG595** **Lab Name: Chemtech Consulting Group**

Field Sample ID:6100-RIN05

Sample Number: BG599	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location: N/A	pH: 6	Sample Date: 04/27/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.0	U	ug/L	2.0	U	1.0	YES	S3VEM
Benzaldehyde	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Phenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
2-Chlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Methylphenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Acetophenone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
4-Methylphenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Hexachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Nitrobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Isophorone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Nitrophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Naphthalene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Chloroaniline	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Caprolactam	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	2.6	J	ug/L	2.6	J	1.0	YES	S3VEM
1-Methylnaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Nitroaniline	Target	5.0	UJ	ug/L	5.0	U	1.0	YES	S3VEM
Dimethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Acenaphthylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
3-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S3VEM
Acenaphthene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S3VEM
4-Nitrophenol	Target	10	UJ	ug/L	10	U	1.0	YES	S3VEM
Dibenzofuran	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Diethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Fluorene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Nitroaniline	Target	10	UJ	ug/L	10	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Atrazine	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Pentachlorophenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Phenanthrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Anthracene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbazole	Target	10	U	ug/L	10	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG595** **Lab Name: Chemtech Consulting Group**

Field Sample ID:6100-RIN05

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Pyrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Butylbenzylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chrysene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Heptane, 1,1-oxybis-	TIC	2.7	JN	ug/L	2.7	JN	1.0	YES	NV
Total Alkanes	TIC	2.8	B	ug/L	2.8	B	1.0	YES	NV
Phenol, 2-methoxy-	TIC	4	JN	ug/L	4	JN	1.0	YES	NV
7,9-Di-tert-butyl-1-oxaspiro(4,5)d	TIC	4.2	JN	ug/L	4.2	JN	1.0	YES	NV
Propanoic acid, 2-methyl-, 3-hydro	TIC	4.5	JN	ug/L	4.5	JN	1.0	YES	NV
Propanoic acid, 2-methyl-, 2,2-dim	TIC	2.5	JN	ug/L	2.5	JN	1.0	YES	NV
2,2,4-Trimethyl-1,3-pentanediol di	TIC	2.2	JN	ug/L	2.2	JN	1.0	YES	NV
Trichloroacetic acid, hexadecyl es	TIC	3.8	JN	ug/L	3.8	JN	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG595** **Lab Name: Chemtech Consulting Group**

Field Sample ID:6100-RIN05

Sample Number: BG599	Method: Volatile Organics	Matrix: Water	MA Number:
Sample Location: N/A	pH: 1.0	Sample Date: 04/27/2021	Sample Time: 00:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Acetone	Target	5.3	J	ug/L	5.3	J	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG595** **Lab Name: Chemtech Consulting Group**

Field Sample ID:6100-RIN05

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
unknown-01	TIC	5	JB	ug/L	5	JB	1.0	YES	NV
Total Alkanes	TIC		N	ug/L		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG595** **Lab Name: Chemtech Consulting Group**

Sample Number: PBLK072	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
beta-BHC	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
delta-BHC	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
Heptachlor	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
Aldrin	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
Endosulfan I	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
Dieldrin	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
4,4'-DDE	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
Endrin	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
Endosulfan II	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
4,4'-DDD	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
4,4'-DDT	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
Methoxychlor	Target	17	U	ug/kg	17	U	1.0	YES	S3VEM
Endrin ketone	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	3.3	U	ug/kg	3.3	U	1.0	YES	S3VEM
cis-Chlordane	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
trans-Chlordane	Target	1.7	U	ug/kg	1.7	U	1.0	YES	S3VEM
Toxaphene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG595** **Lab Name: Chemtech Consulting Group**

Sample Number: PBLK092	Method: Pesticides	Matrix: Water	MA Number:
Sample Location:	pH: 6	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
beta-BHC	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
delta-BHC	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Heptachlor	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Aldrin	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endosulfan I	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Dieldrin	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
Endrin	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
Endosulfan II	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
Endosulfan Sulfate	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
Methoxychlor	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Endrin ketone	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
Endrin Aldehyde	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Toxaphene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG595** **Lab Name: Chemtech Consulting Group**

Sample Number: PLCS072	Method: Pesticides	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Spike	1.3	J	ug/kg	1.3	J	1.0	YES	S3VEM
beta-BHC	Spike	1.4	J	ug/kg	1.4	J	1.0	YES	S3VEM
delta-BHC	Spike	1.3	J	ug/kg	1.3	J	1.0	YES	S3VEM
gamma-BHC (Lindane)	Spike	1.4	J	ug/kg	1.4	J	1.0	YES	S3VEM
Heptachlor	Spike	1.3	J	ug/kg	1.3	J	1.0	YES	S3VEM
Aldrin	Spike	1.3	J	ug/kg	1.3	J	1.0	YES	S3VEM
Heptachlor epoxide	Spike	1.4	J	ug/kg	1.4	J	1.0	YES	S3VEM
Endosulfan I	Spike	1.4	J	ug/kg	1.4	J	1.0	YES	S3VEM
Dieldrin	Spike	2.7	J	ug/kg	2.7	J	1.0	YES	S3VEM
4,4'-DDE	Spike	2.6	J	ug/kg	2.6	J	1.0	YES	S3VEM
Endrin	Spike	2.9	J	ug/kg	2.9	J	1.0	YES	S3VEM
Endosulfan II	Spike	2.9	J	ug/kg	2.9	J	1.0	YES	S3VEM
4,4'-DDD	Spike	2.7	J	ug/kg	2.7	J	1.0	YES	S3VEM
Endosulfan Sulfate	Spike	2.9	J	ug/kg	2.9	J	1.0	YES	S3VEM
4,4'-DDT	Spike	2.5	J	ug/kg	2.5	J	1.0	YES	S3VEM
Methoxychlor	Spike	14	J	ug/kg	14	J	1.0	YES	S3VEM
Endrin ketone	Spike	3.0	J	ug/kg	3.0	J	1.0	YES	S3VEM
Endrin Aldehyde	Spike	3.0	J	ug/kg	3.0	J	1.0	YES	S3VEM
cis-Chlordane	Spike	1.4	J	ug/kg	1.4	J	1.0	YES	S3VEM
trans-Chlordane	Spike	1.3	J	ug/kg	1.3	J	1.0	YES	S3VEM
Toxaphene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG595** **Lab Name: Chemtech Consulting Group**

Sample Number: PLCS092	Method: Pesticides	Matrix: Water	MA Number:
Sample Location:	pH: 6	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Spike	0.048	J	ug/L	0.048	J	1.0	YES	S3VEM
beta-BHC	Spike	0.05		ug/L	0.05		1.0	YES	S3VEM
delta-BHC	Spike	0.045	JP	ug/L	0.045	JP	1.0	YES	S3VEM
gamma-BHC (Lindane)	Spike	0.046	JP	ug/L	0.046	JP	1.0	YES	S3VEM
Heptachlor	Spike	0.047	J	ug/L	0.047	J	1.0	YES	S3VEM
Aldrin	Spike	0.046	J	ug/L	0.046	J	1.0	YES	S3VEM
Heptachlor epoxide	Spike	0.047	JP	ug/L	0.047	JP	1.0	YES	S3VEM
Endosulfan I	Spike	0.047	J	ug/L	0.047	J	1.0	YES	S3VEM
Dieldrin	Spike	0.09	J	ug/L	0.09	J	1.0	YES	S3VEM
4,4'-DDE	Spike	0.096	J	ug/L	0.096	J	1.0	YES	S3VEM
Endrin	Spike	0.096	J	ug/L	0.096	J	1.0	YES	S3VEM
Endosulfan II	Spike	0.099	J	ug/L	0.099	J	1.0	YES	S3VEM
4,4'-DDD	Spike	0.093	J	ug/L	0.093	J	1.0	YES	S3VEM
Endosulfan Sulfate	Spike	0.098	J	ug/L	0.098	J	1.0	YES	S3VEM
4,4'-DDT	Spike	0.077	J	ug/L	0.077	J	1.0	YES	S3VEM
Methoxychlor	Spike	0.43	J	ug/L	0.43	J	1.0	YES	S3VEM
Endrin ketone	Spike	0.10		ug/L	0.10		1.0	YES	S3VEM
Endrin Aldehyde	Spike	0.11		ug/L	0.11		1.0	YES	S3VEM
cis-Chlordane	Spike	0.047	J	ug/L	0.047	J	1.0	YES	S3VEM
trans-Chlordane	Spike	0.047	J	ug/L	0.047	J	1.0	YES	S3VEM
Toxaphene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG595** **Lab Name: Chemtech Consulting Group**

Sample Number: SBLK083	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	67	U	ug/kg	67	U	1.0	YES	S3VEM
Benzaldehyde	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Phenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
2-Chlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2-Methylphenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Acetophenone	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
4-Methylphenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Hexachloroethane	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Nitrobenzene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Isophorone	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2-Nitrophenol	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Naphthalene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
4-Chloroaniline	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Caprolactam	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2-Nitroaniline	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Dimethylphthalate	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Acenaphthylene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
3-Nitroaniline	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Acenaphthene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
4-Nitrophenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Dibenzofuran	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Diethylphthalate	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Fluorene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
4-Nitroaniline	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Atrazine	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Pentachlorophenol	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Phenanthrene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG595** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Anthracene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Carbazole	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Di-n-butylphthalate	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Fluoranthene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Pyrene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Butylbenzylphthalate	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Chrysene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	330	U	ug/kg	330	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	170	U	ug/kg	170	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG595** **Lab Name: Chemtech Consulting Group**

Sample Number: SBLK093	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location:	pH: 6	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.0	U	ug/L	2.0	U	1.0	YES	S3VEM
Benzaldehyde	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Phenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
2-Chlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Methylphenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Acetophenone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
4-Methylphenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Hexachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Nitrobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Isophorone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Nitrophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Naphthalene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Chloroaniline	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Caprolactam	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1-Methylnaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Hexachlorocyclopentadiene	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Biphenyl	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Nitroaniline	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dimethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Acenaphthylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
3-Nitroaniline	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Acenaphthene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
4-Nitrophenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Dibenzofuran	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Diethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Fluorene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Nitroaniline	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Atrazine	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Pentachlorophenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Phenanthrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG595** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Anthracene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbazole	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Di-n-butylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Pyrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Butylbenzylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
3,3-Dichlorobenzidine	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chrysene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Di-n-octyl phthalate	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC	13	N	ug/L	13	N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG595** **Lab Name: Chemtech Consulting Group**

Sample Number: SLCS083	Method: Semivolatiles	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Spike	370		ug/kg	370		1.0	YES	S3VEM
Benzaldehyde	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
Phenol	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
2-Chlorophenol	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
2-Methylphenol	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
Acetophenone	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
4-Methylphenol	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
Hexachloroethane	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
Nitrobenzene	Spike	1300		ug/kg	1300		1.0	YES	S3VEM
Isophorone	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
2-Nitrophenol	Spike	1200	J	ug/kg	1200		1.0	YES	S3VEM
2,4-Dimethylphenol	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
2,4-Dichlorophenol	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
Naphthalene	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
4-Chloroaniline	Spike	1000		ug/kg	1000		1.0	YES	S3VEM
Hexachlorobutadiene	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
Caprolactam	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
4-Chloro-3-methylphenol	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
1-Methylnaphthalene	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
2-Methylnaphthalene	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
Hexachlorocyclopentadiene	Spike	820		ug/kg	820		1.0	YES	S3VEM
2,4,6-Trichlorophenol	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
2,4,5-Trichlorophenol	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
1,1-Biphenyl	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
2-Chloronaphthalene	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
2-Nitroaniline	Spike	1400	J	ug/kg	1400		1.0	YES	S3VEM
Dimethylphthalate	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
2,6-Dinitrotoluene	Spike	1300	J	ug/kg	1300		1.0	YES	S3VEM
Acenaphthylene	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
3-Nitroaniline	Spike	1100	J	ug/kg	1100		1.0	YES	S3VEM
Acenaphthene	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
2,4-Dinitrophenol	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
4-Nitrophenol	Spike	1600		ug/kg	1600		1.0	YES	S3VEM
Dibenzofuran	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
2,4-Dinitrotoluene	Spike	1300	J	ug/kg	1300		1.0	YES	S3VEM
Diethylphthalate	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
Fluorene	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
4-Nitroaniline	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
N-Nitrosodiphenylamine	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
4-Bromophenyl-phenylether	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
Hexachlorobenzene	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
Atrazine	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
Pentachlorophenol	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
Phenanthrene	Spike	1200		ug/kg	1200		1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG595** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Anthracene	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
Carbazole	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
Di-n-butylphthalate	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
Fluoranthene	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
Pyrene	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
Butylbenzylphthalate	Spike	1200	J	ug/kg	1200		1.0	YES	S3VEM
3,3-Dichlorobenzidine	Spike	1000		ug/kg	1000		1.0	YES	S3VEM
Benzo(a)anthracene	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
Chrysene	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
Di-n-octyl phthalate	Spike	1100		ug/kg	1100		1.0	YES	S3VEM
Benzo(b)fluoranthene	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
Benzo(k)fluoranthene	Spike	1300		ug/kg	1300		1.0	YES	S3VEM
Benzo(a)pyrene	Spike	1300		ug/kg	1300		1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Spike	1300		ug/kg	1300		1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Spike	1300		ug/kg	1300		1.0	YES	S3VEM
Benzo(g,h,i)perylene	Spike	1300		ug/kg	1300		1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Spike	1200		ug/kg	1200		1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG595** **Lab Name: Chemtech Consulting Group**

Sample Number: SLCS093	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location:	pH: 6	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Spike	13		ug/L	13		1.0	YES	S3VEM
Benzaldehyde	Spike	28		ug/L	28		1.0	YES	S3VEM
Phenol	Spike	30		ug/L	30		1.0	YES	S3VEM
Bis(2-Chloroethyl)ether	Spike	30		ug/L	30		1.0	YES	S3VEM
2-Chlorophenol	Spike	32		ug/L	32		1.0	YES	S3VEM
2-Methylphenol	Spike	30		ug/L	30		1.0	YES	S3VEM
2,2-oxybis(1-Chloropropane)	Spike	35		ug/L	35		1.0	YES	S3VEM
Acetophenone	Spike	29		ug/L	29		1.0	YES	S3VEM
4-Methylphenol	Spike	30		ug/L	30		1.0	YES	S3VEM
N-Nitroso-di-n-propylamine	Spike	33		ug/L	33		1.0	YES	S3VEM
Hexachloroethane	Spike	32		ug/L	32		1.0	YES	S3VEM
Nitrobenzene	Spike	35	J	ug/L	35		1.0	YES	S3VEM
Isophorone	Spike	32		ug/L	32		1.0	YES	S3VEM
2-Nitrophenol	Spike	35	J	ug/L	35		1.0	YES	S3VEM
2,4-Dimethylphenol	Spike	30		ug/L	30		1.0	YES	S3VEM
Bis(2-Chloroethoxy)methane	Spike	32		ug/L	32		1.0	YES	S3VEM
2,4-Dichlorophenol	Spike	32		ug/L	32		1.0	YES	S3VEM
Naphthalene	Spike	30		ug/L	30		1.0	YES	S3VEM
4-Chloroaniline	Spike	25		ug/L	25		1.0	YES	S3VEM
Hexachlorobutadiene	Spike	31		ug/L	31		1.0	YES	S3VEM
Caprolactam	Spike	30		ug/L	30		1.0	YES	S3VEM
4-Chloro-3-methylphenol	Spike	33		ug/L	33		1.0	YES	S3VEM
1-Methylnaphthalene	Spike	30		ug/L	30		1.0	YES	S3VEM
2-Methylnaphthalene	Spike	30		ug/L	30		1.0	YES	S3VEM
Hexachlorocyclopentadiene	Spike	29		ug/L	29		1.0	YES	S3VEM
2,4,6-Trichlorophenol	Spike	34		ug/L	34		1.0	YES	S3VEM
2,4,5-Trichlorophenol	Spike	34		ug/L	34		1.0	YES	S3VEM
1,1-Biphenyl	Spike	32		ug/L	32		1.0	YES	S3VEM
2-Chloronaphthalene	Spike	32		ug/L	32		1.0	YES	S3VEM
2-Nitroaniline	Spike	41	J	ug/L	41		1.0	YES	S3VEM
Dimethylphthalate	Spike	33		ug/L	33		1.0	YES	S3VEM
2,6-Dinitrotoluene	Spike	37	J	ug/L	37		1.0	YES	S3VEM
Acenaphthylene	Spike	31		ug/L	31		1.0	YES	S3VEM
3-Nitroaniline	Spike	30		ug/L	30		1.0	YES	S3VEM
Acenaphthene	Spike	32		ug/L	32		1.0	YES	S3VEM
2,4-Dinitrophenol	Spike	28		ug/L	28		1.0	YES	S3VEM
4-Nitrophenol	Spike	31		ug/L	31		1.0	YES	S3VEM
Dibenzofuran	Spike	32		ug/L	32		1.0	YES	S3VEM
2,4-Dinitrotoluene	Spike	36	J	ug/L	36		1.0	YES	S3VEM
Diethylphthalate	Spike	33		ug/L	33		1.0	YES	S3VEM
Fluorene	Spike	32		ug/L	32		1.0	YES	S3VEM
4-Chlorophenyl-phenylether	Spike	32		ug/L	32		1.0	YES	S3VEM
4-Nitroaniline	Spike	30		ug/L	30		1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Spike	34		ug/L	34		1.0	YES	S3VEM
N-Nitrosodiphenylamine	Spike	35		ug/L	35		1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Spike	32		ug/L	32		1.0	YES	S3VEM
4-Bromophenyl-phenylether	Spike	35		ug/L	35		1.0	YES	S3VEM
Hexachlorobenzene	Spike	35		ug/L	35		1.0	YES	S3VEM
Atrazine	Spike	32		ug/L	32		1.0	YES	S3VEM
Pentachlorophenol	Spike	32		ug/L	32		1.0	YES	S3VEM
Phenanthrene	Spike	34		ug/L	34		1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG595** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Anthracene	Spike	34		ug/L	34		1.0	YES	S3VEM
Carbazole	Spike	31		ug/L	31		1.0	YES	S3VEM
Di-n-butylphthalate	Spike	35		ug/L	35		1.0	YES	S3VEM
Fluoranthene	Spike	40		ug/L	40		1.0	YES	S3VEM
Pyrene	Spike	39		ug/L	39		1.0	YES	S3VEM
Butylbenzylphthalate	Spike	48	J	ug/L	48		1.0	YES	S3VEM
3,3-Dichlorobenzidine	Spike	28		ug/L	28		1.0	YES	S3VEM
Benzo(a)anthracene	Spike	36		ug/L	36		1.0	YES	S3VEM
Chrysene	Spike	35		ug/L	35		1.0	YES	S3VEM
Bis(2-ethylhexyl)phthalate	Spike	42	J	ug/L	42		1.0	YES	S3VEM
Di-n-octyl phthalate	Spike	39		ug/L	39		1.0	YES	S3VEM
Benzo(b)fluoranthene	Spike	39		ug/L	39		1.0	YES	S3VEM
Benzo(k)fluoranthene	Spike	35		ug/L	35		1.0	YES	S3VEM
Benzo(a)pyrene	Spike	37		ug/L	37		1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Spike	39		ug/L	39		1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Spike	39		ug/L	39		1.0	YES	S3VEM
Benzo(g,h,i)perylene	Spike	39		ug/L	39		1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Spike	32		ug/L	32		1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/L		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG595** **Lab Name: Chemtech Consulting Group**

Sample Number: VBLK111	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.2		ug/kg	5.2		1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Toluene	Target	0.8	J	ug/kg	0.8	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG595** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG595** **Lab Name: Chemtech Consulting Group**

Sample Number: VBLK112	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Toluene	Target	0.66	J	ug/kg	0.66	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG595** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG595** **Lab Name: Chemtech Consulting Group**

Sample Number: VBLK115	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	UJ	ug/kg	10	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.8		ug/kg	5.8		1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Toluene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.82	J	ug/kg	0.82	J	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG595** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG595** **Lab Name: Chemtech Consulting Group**

Sample Number: VBLK179	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Chloromethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Vinyl chloride	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Bromomethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Chloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Acetone	Target	500	U	ug/kg	500	U	1.0	YES	S3VEM
Carbon disulfide	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Methyl Acetate	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Methylene chloride	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
2-Butanone	Target	500	U	ug/kg	500	U	1.0	YES	S3VEM
Bromochloromethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Chloroform	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Cyclohexane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Benzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Trichloroethene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Methylcyclohexane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Bromodichloromethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	500	U	ug/kg	500	U	1.0	YES	S3VEM
Toluene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Tetrachloroethene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
2-Hexanone	Target	500	U	ug/kg	500	U	1.0	YES	S3VEM
Dibromochloromethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Chlorobenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Ethylbenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
o-Xylene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
m,p-Xylene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Styrene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Bromoform	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Isopropylbenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG595** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	250	U	ug/kg	250	U	1.0	YES	S3VEM
Propanoic acid, 2,2,3-trichloro-,	TIC	140	JN	ug/kg	140	JN	1.0	YES	NV
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG595** **Lab Name: Chemtech Consulting Group**

Sample Number: VBLK180	Method: Volatile Organics	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG595** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
unknown-01	TIC	2.6	J	ug/L	2.6	J	1.0	YES	NV
Total Alkanes	TIC		N	ug/L		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG595** **Lab Name: Chemtech Consulting Group**

Sample Number: VBLK182	Method: Volatile Organics	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG595** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
unknown-01	TIC	2.7	J	ug/L	2.7	J	1.0	YES	NV
Total Alkanes	TIC		N	ug/L		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG595** **Lab Name: Chemtech Consulting Group**

Sample Number: VHBLK001	Method: Volatile Organics	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	UJ	ug/kg	10	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	5.7		ug/kg	5.7	B	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Toluene	Target	0.66	J	ug/kg	0.66	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.88	J	ug/kg	0.88	JB	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/kg	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG595** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/kg	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/kg		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG595** **Lab Name: Chemtech Consulting Group**

Sample Number: VHBLK002	Method: Volatile Organics	Matrix: Water	MA Number:
Sample Location:	pH: 1.0	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Acetone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl Acetate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylene chloride	Target	1.5	J	ug/L	1.5	J	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methyl tert-butyl Ether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Butanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Trichloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Toluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Hexanone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
m,p-Xylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,4-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,3,5-Trimethylbenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0011/BG595** **Lab Name: Chemtech Consulting Group**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,2,4-trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Total Alkanes	TIC		N	ug/L		N	1.0	YES	NV

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project | **GroupID: 49391/68HERH20D0011/BG595** | **Lab Name: Chemtech Consulting Group**

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG593	DI Water	04/27/2021	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	74-87-3	Chloromethane	5.0	U	U	5.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	75-01-4	Vinyl chloride	5.0	U	U	5.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	74-83-9	Bromomethane	5.0	U	U	5.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	75-00-3	Chloroethane	5.0	U	U	5.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	75-35-4	1,1-Dichloroethene	5.0	U	UJ	5.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	67-64-1	Acetone	15			10	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	75-15-0	Carbon disulfide	5.0	U	U	5.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	79-20-9	Methyl Acetate	5.0	U	U	5.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	75-09-2	Methylene chloride	5.0	U	U	5.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	UJ	5.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	UJ	5.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	78-93-3	2-Butanone	10	U	U	10	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	74-97-5	Bromochloromethane	5.0	U	U	5.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	67-66-3	Chloroform	5.0	U	U	5.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	110-82-7	Cyclohexane	5.0	U	U	5.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	71-43-2	Benzene	5.0	U	U	5.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	79-01-6	Trichloroethene	5.0	U	U	5.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	108-88-3	Toluene	5.0	U	U	5.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	108-90-7	Chlorobenzene	5.0	U	U	5.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	100-41-4	Ethylbenzene	5.0	U	U	5.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	95-47-6	o-Xylene	5.0	U	U	5.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	100-42-5	Styrene	5.0	U	U	5.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	75-25-2	Bromoform	5.0	U	U	5.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	96-18-4	1,2,3-Trichloropropane	5.0	U	U	5.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	5.0	U	U	5.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	5.0	U	U	5.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	unknown-01	unknown-01	4.1	JB	JB		ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	E966796	Total Alkanes		N	N		ug/L	6100-RIN04
BG599	DI Water	04/27/2021	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	74-87-3	Chloromethane	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	75-01-4	Vinyl chloride	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	74-83-9	Bromomethane	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	75-00-3	Chloroethane	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	67-64-1	Acetone	5.3	J	J	10	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	75-15-0	Carbon disulfide	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	79-20-9	Methyl Acetate	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	75-09-2	Methylene chloride	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5.0	ug/L	6100-RIN05

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG599	DI Water	04/27/2021	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	78-93-3	2-Butanone	10	U	U	10	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	74-97-5	Bromochloromethane	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	67-66-3	Chloroform	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	110-82-7	Cyclohexane	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	71-43-2	Benzene	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	79-01-6	Trichloroethene	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	108-88-3	Toluene	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	108-90-7	Chlorobenzene	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	100-41-4	Ethylbenzene	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	95-47-6	o-Xylene	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	100-42-5	Styrene	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	75-25-2	Bromoform	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	96-18-4	1,2,3-Trichloropropane	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	unknown-01	unknown-01	5.0	JB	JB		ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	E966796	Total Alkanes		N	N		ug/L	6100-RIN05
BG595	Sediment	04/26/2021	1.0	75-71-8	Dichlorodifluoromethane	13	U	U	13	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	74-87-3	Chloromethane	13	U	U	13	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	75-01-4	Vinyl chloride	13	U	U	13	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	74-83-9	Bromomethane	13	U	U	13	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	75-00-3	Chloroethane	13	U	U	13	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	75-69-4	Trichlorofluoromethane	13	U	U	13	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	75-35-4	1,1-Dichloroethene	13	U	U	13	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	13	U	U	13	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	67-64-1	Acetone	180			26	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	75-15-0	Carbon disulfide	4.5	J	J	13	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	79-20-9	Methyl Acetate	13	U	U	13	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	75-09-2	Methylene chloride	13		U	13	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	156-60-5	trans-1,2-Dichloroethene	13	U	U	13	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	1634-04-4	Methyl tert-butyl Ether	13	U	U	13	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	75-34-3	1,1-Dichloroethane	13	U	U	13	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	156-59-2	cis-1,2-Dichloroethene	13	U	U	13	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	78-93-3	2-Butanone	64			26	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	74-97-5	Bromochloromethane	13	U	U	13	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	67-66-3	Chloroform	13	U	U	13	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	71-55-6	1,1,1-Trichloroethane	13	U	U	13	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	110-82-7	Cyclohexane	2.2	J	J+	13	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	56-23-5	Carbon tetrachloride	13	U	U	13	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	71-43-2	Benzene	6.8	J	J	13	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	107-06-2	1,2-Dichloroethane	13	U	U	13	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	79-01-6	Trichloroethene	13	U	U	13	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	108-87-2	Methylcyclohexane	29		J+	13	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	78-87-5	1,2-Dichloropropane	13	U	U	13	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	75-27-4	Bromodichloromethane	13	U	U	13	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	13	U	U	13	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	108-10-1	4-Methyl-2-pentanone	26	U	U	26	ug/kg	6100-SED13B

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG595	Sediment	04/26/2021	1.0	108-88-3	Toluene	13	JB	U	13	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	13	U	U	13	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	79-00-5	1,1,2-Trichloroethane	13	U	U	13	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	127-18-4	Tetrachloroethene	13	U	U	13	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	591-78-6	2-Hexanone	26	U	U	26	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	124-48-1	Dibromochloromethane	13	U	U	13	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	106-93-4	1,2-Dibromoethane	13	U	U	13	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	108-90-7	Chlorobenzene	13	U	U	13	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	100-41-4	Ethylbenzene	2.1	J	J	13	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	95-47-6	o-Xylene	15			13	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	179601-23-1	m,p-Xylene	3.1	J	J	13	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	100-42-5	Styrene	13	U	U	13	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	75-25-2	Bromoform	13	U	UJ	13	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	98-82-8	Isopropylbenzene	19			13	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	96-18-4	1,2,3-Trichloropropane	13	U	UJ	13	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	13	U	U	13	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	541-73-1	1,3-Dichlorobenzene	13	U	UJ	13	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	106-46-7	1,4-Dichlorobenzene	13	U	UJ	13	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	95-50-1	1,2-Dichlorobenzene	13	U	UJ	13	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	13	U	UJ	13	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	15		J+	13	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	4.8	J	J+	13	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	120-82-1	1,2,4-trichlorobenzene	13	U	UJ	13	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	13	U	UJ	13	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	unknown-03	unknown-03	360	J	J		ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	unknown-05	unknown-05	500	J	J		ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	000110-89-4	Piperidine	84	JN	JN		ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	000264-09-5	Benzocycloheptatriene	230	JN	JN		ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	000697-37-0	1-(1-Propynyl)cyclohexanol	12	JN	JN		ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	002958-76-1	Naphthalene, decahydro-2-methyl-	510	JN	JN		ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	005989-27-5	D-Limonene	9700	JN	JN		ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	076089-59-3	1,3-Cyclopentadiene, 1,2,3,4-tetra	790	JN	JN		ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	1000282-41-4	Methoxyacetic acid, 2-ethylhexyl e	150	JN	JN		ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	1000309-22-6	Sulfurous acid, cyclohexylmethyl o	300	JN	JN		ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	1000309-34-6	Oxalic acid, bis(6-ethyloct-3-yl)	92	JN	JN		ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	E966796	Total Alkanes	11000	BN	BN		ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	unknown-02	unknown-02	8.1	J	J		ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	unknown-01	unknown-01	10	J	J		ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	unknown-06	unknown-06	180	J	J		ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	unknown-04	unknown-04	280	J	J		ug/kg	6100-SED13B
BG595ME	Sediment		1.0	75-71-8	Dichlorodifluoromethane	1000	U	U	1000	ug/kg	6100-SED13B
BG595ME	Sediment		1.0	74-87-3	Chloromethane	1000	U	U	1000	ug/kg	6100-SED13B
BG595ME	Sediment		1.0	75-01-4	Vinyl chloride	1000	U	U	1000	ug/kg	6100-SED13B
BG595ME	Sediment		1.0	74-83-9	Bromomethane	1000	U	U	1000	ug/kg	6100-SED13B
BG595ME	Sediment		1.0	75-00-3	Chloroethane	1000	U	U	1000	ug/kg	6100-SED13B
BG595ME	Sediment		1.0	75-69-4	Trichlorofluoromethane	1000	U	U	1000	ug/kg	6100-SED13B
BG595ME	Sediment		1.0	75-35-4	1,1-Dichloroethene	1000	U	U	1000	ug/kg	6100-SED13B
BG595ME	Sediment		1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1000	U	U	1000	ug/kg	6100-SED13B
BG595ME	Sediment		1.0	67-64-1	Acetone	2000	U	U	2000	ug/kg	6100-SED13B
BG595ME	Sediment		1.0	75-15-0	Carbon disulfide	1000	U	U	1000	ug/kg	6100-SED13B
BG595ME	Sediment		1.0	79-20-9	Methyl Acetate	1000	U	U	1000	ug/kg	6100-SED13B
BG595ME	Sediment		1.0	75-09-2	Methylene chloride	1000	U	U	1000	ug/kg	6100-SED13B
BG595ME	Sediment		1.0	156-60-5	trans-1,2-Dichloroethene	1000	U	U	1000	ug/kg	6100-SED13B
BG595ME	Sediment		1.0	1634-04-4	Methyl tert-butyl Ether	1000	U	U	1000	ug/kg	6100-SED13B
BG595ME	Sediment		1.0	75-34-3	1,1-Dichloroethane	1000	U	U	1000	ug/kg	6100-SED13B
BG595ME	Sediment		1.0	156-59-2	cis-1,2-Dichloroethene	1000	U	U	1000	ug/kg	6100-SED13B
BG595ME	Sediment		1.0	78-93-3	2-Butanone	2000	U	U	2000	ug/kg	6100-SED13B
BG595ME	Sediment		1.0	74-97-5	Bromochloromethane	1000	U	U	1000	ug/kg	6100-SED13B
BG595ME	Sediment		1.0	67-66-3	Chloroform	1000	U	U	1000	ug/kg	6100-SED13B
BG595ME	Sediment		1.0	71-55-6	1,1,1-Trichloroethane	1000	U	U	1000	ug/kg	6100-SED13B
BG595ME	Sediment		1.0	110-82-7	Cyclohexane	1000	U	U	1000	ug/kg	6100-SED13B
BG595ME	Sediment		1.0	56-23-5	Carbon tetrachloride	1000	U	U	1000	ug/kg	6100-SED13B
BG595ME	Sediment		1.0	71-43-2	Benzene	1000	U	U	1000	ug/kg	6100-SED13B
BG595ME	Sediment		1.0	107-06-2	1,2-Dichloroethane	1000	U	U	1000	ug/kg	6100-SED13B
BG595ME	Sediment		1.0	79-01-6	Trichloroethene	1000	U	U	1000	ug/kg	6100-SED13B
BG595ME	Sediment		1.0	108-87-2	Methylcyclohexane	1000	U	U	1000	ug/kg	6100-SED13B
BG595ME	Sediment		1.0	78-87-5	1,2-Dichloropropane	1000	U	U	1000	ug/kg	6100-SED13B
BG595ME	Sediment		1.0	75-27-4	Bromodichloromethane	1000	U	U	1000	ug/kg	6100-SED13B
BG595ME	Sediment		1.0	10061-01-5	cis-1,3-Dichloropropene	1000	U	U	1000	ug/kg	6100-SED13B
BG595ME	Sediment		1.0	108-10-1	4-Methyl-2-pentanone	2000	U	U	2000	ug/kg	6100-SED13B
BG595ME	Sediment		1.0	108-88-3	Toluene	1000	U	U	1000	ug/kg	6100-SED13B

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG595ME	Sediment		1.0	10061-02-6	trans-1,3-Dichloropropene	1000	U	U	1000	ug/kg	6100-SED13B
BG595ME	Sediment		1.0	79-00-5	1,1,2-Trichloroethane	1000	U	U	1000	ug/kg	6100-SED13B
BG595ME	Sediment		1.0	127-18-4	Tetrachloroethene	1000	U	U	1000	ug/kg	6100-SED13B
BG595ME	Sediment		1.0	591-78-6	2-Hexanone	2000	U	U	2000	ug/kg	6100-SED13B
BG595ME	Sediment		1.0	124-48-1	Dibromochloromethane	1000	U	U	1000	ug/kg	6100-SED13B
BG595ME	Sediment		1.0	106-93-4	1,2-Dibromoethane	1000	U	U	1000	ug/kg	6100-SED13B
BG595ME	Sediment		1.0	108-90-7	Chlorobenzene	1000	U	U	1000	ug/kg	6100-SED13B
BG595ME	Sediment		1.0	100-41-4	Ethylbenzene	1000	U	U	1000	ug/kg	6100-SED13B
BG595ME	Sediment		1.0	95-47-6	o-Xylene	1000	U	U	1000	ug/kg	6100-SED13B
BG595ME	Sediment		1.0	179601-23-1	m,p-Xylene	1000	U	U	1000	ug/kg	6100-SED13B
BG595ME	Sediment		1.0	100-42-5	Styrene	1000	U	U	1000	ug/kg	6100-SED13B
BG595ME	Sediment		1.0	75-25-2	Bromoform	1000	U	U	1000	ug/kg	6100-SED13B
BG595ME	Sediment		1.0	98-82-8	Isopropylbenzene	1000	U	U	1000	ug/kg	6100-SED13B
BG595ME	Sediment		1.0	96-18-4	1,2,3-Trichloropropane	1000	U	U	1000	ug/kg	6100-SED13B
BG595ME	Sediment		1.0	79-34-5	1,1,2,2-Tetrachloroethane	1000	U	U	1000	ug/kg	6100-SED13B
BG595ME	Sediment		1.0	541-73-1	1,3-Dichlorobenzene	1000	U	U	1000	ug/kg	6100-SED13B
BG595ME	Sediment		1.0	106-46-7	1,4-Dichlorobenzene	1000	U	U	1000	ug/kg	6100-SED13B
BG595ME	Sediment		1.0	95-50-1	1,2-Dichlorobenzene	1000	U	U	1000	ug/kg	6100-SED13B
BG595ME	Sediment		1.0	96-12-8	1,2-Dibromo-3-chloropropane	1000	U	U	1000	ug/kg	6100-SED13B
BG595ME	Sediment		1.0	95-63-6	1,2,4-Trimethylbenzene	1000	U	U	1000	ug/kg	6100-SED13B
BG595ME	Sediment		1.0	108-67-8	1,3,5-Trimethylbenzene	1000	U	U	1000	ug/kg	6100-SED13B
BG595ME	Sediment		1.0	120-82-1	1,2,4-trichlorobenzene	1000	U	U	1000	ug/kg	6100-SED13B
BG595ME	Sediment		1.0	87-61-6	1,2,3-Trichlorobenzene	1000	U	U	1000	ug/kg	6100-SED13B
BG595ME	Sediment		1.0	1000309-22-4	Sulfurous acid, cyclohexylmethyl h	1200	JN	JN		ug/kg	6100-SED13B
BG595ME	Sediment		1.0	004453-90-1	1,4-Methanonaphthalene, 1,4-dihydro-	4000	JN	JN		ug/kg	6100-SED13B
BG595ME	Sediment		1.0	002958-75-0	1-Methyldecahydronaphthalene	2200	JN	JN		ug/kg	6100-SED13B
BG595ME	Sediment		1.0	E966796	Total Alkanes	15000	BN	BN		ug/kg	6100-SED13B
BG595ME	Sediment		1.0	000571-58-4	Naphthalene, 1,4-dimethyl-	2700	JN	JN		ug/kg	6100-SED13B
BG595ME	Sediment		1.0	unknown-01	unknown-01	640	J	J		ug/kg	6100-SED13B
BG595ME	Sediment		1.0	unknown-02	unknown-02	560	J	J		ug/kg	6100-SED13B
BG595ME	Sediment		1.0	959226-07-4	Decyl isobutyl carbonate	660	JN	JN		ug/kg	6100-SED13B
BG595ME	Sediment		1.0	000582-16-1	Naphthalene, 2,7-dimethyl-	2800	JN	JN		ug/kg	6100-SED13B
BG596	Sediment	04/26/2021	1.0	75-71-8	Dichlorodifluoromethane	9.9	U	U	9.9	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	74-87-3	Chloromethane	9.9	U	U	9.9	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	75-01-4	Vinyl chloride	9.9	U	U	9.9	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	74-83-9	Bromomethane	9.9	U	U	9.9	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	75-00-3	Chloroethane	9.9	U	U	9.9	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	75-69-4	Trichlorofluoromethane	9.9	U	U	9.9	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	75-35-4	1,1-Dichloroethene	9.9	U	U	9.9	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	9.9	U	U	9.9	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	67-64-1	Acetone	90			20	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	75-15-0	Carbon disulfide	1.5	J	J	9.9	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	79-20-9	Methyl Acetate	9.9	U	U	9.9	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	75-09-2	Methylene chloride	24	B		9.9	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	156-60-5	trans-1,2-Dichloroethene	9.9	U	U	9.9	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	1634-04-4	Methyl tert-butyl Ether	9.9	U	U	9.9	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	75-34-3	1,1-Dichloroethane	9.9	U	U	9.9	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	156-59-2	cis-1,2-Dichloroethene	9.9	U	U	9.9	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	78-93-3	2-Butanone	31			20	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	74-97-5	Bromochloromethane	9.9	U	U	9.9	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	67-66-3	Chloroform	9.9	U	U	9.9	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	71-55-6	1,1,1-Trichloroethane	9.9	U	U	9.9	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	110-82-7	Cyclohexane	9.9	U	U	9.9	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	56-23-5	Carbon tetrachloride	9.9	U	U	9.9	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	71-43-2	Benzene	9.9	U	U	9.9	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	107-06-2	1,2-Dichloroethane	9.9	U	U	9.9	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	79-01-6	Trichloroethene	9.9	U	U	9.9	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	108-87-2	Methylcyclohexane	2.6	J	J	9.9	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	78-87-5	1,2-Dichloropropane	9.9	U	U	9.9	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	75-27-4	Bromodichloromethane	9.9	U	U	9.9	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	9.9	U	U	9.9	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	108-10-1	4-Methyl-2-pentanone	20	U	U	20	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	108-88-3	Toluene	9.9	JB	U	9.9	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	9.9	U	U	9.9	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	79-00-5	1,1,2-Trichloroethane	9.9	U	U	9.9	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	127-18-4	Tetrachloroethene	9.9	U	U	9.9	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	591-78-6	2-Hexanone	20	U	U	20	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	124-48-1	Dibromochloromethane	9.9	U	U	9.9	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	106-93-4	1,2-Dibromoethane	9.9	U	U	9.9	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	108-90-7	Chlorobenzene	9.9	U	U	9.9	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	100-41-4	Ethylbenzene	9.9	U	U	9.9	ug/kg	6100-SED13C

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG596	Sediment	04/26/2021	1.0	95-47-6	o-Xylene	6.0	J	J	9.9	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	179601-23-1	m,p-Xylene	2.3	J	J	9.9	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	100-42-5	Styrene	9.9	U	U	9.9	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	75-25-2	Bromoform	9.9	U	U	9.9	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	98-82-8	Isopropylbenzene	18			9.9	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	96-18-4	1,2,3-Trichloropropane	9.9	U	U	9.9	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	9.9	U	U	9.9	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	541-73-1	1,3-Dichlorobenzene	9.9	U	U	9.9	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	106-46-7	1,4-Dichlorobenzene	9.9	U	U	9.9	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	95-50-1	1,2-Dichlorobenzene	9.9	U	U	9.9	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	9.9	U	U	9.9	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	5.4	J	J	9.9	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	2.1	J	J	9.9	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	120-82-1	1,2,4-trichlorobenzene	9.9	U	U	9.9	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	9.9	U	U	9.9	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	000769-25-5	Benzene, 2-ethenyl-1,3,5-trimethyl	90	JN	JN		ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	000874-41-9	Benzene, 1-ethyl-2,4-dimethyl-	38	JN	JN		ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	001680-51-9	Naphthalene, 1,2,3,4-tetrahydro-6-	15	JN	JN		ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	002050-24-0	Benzene, 1,3-diethyl-5-methyl-	17	JN	JN		ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	002177-47-1	2-Methylindene	55	JN	JN		ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	002958-76-1	Naphthalene, decahydro-2-methyl-	13	JN	JN		ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	004453-90-1	1,4-Methanonaphthalene, 1,4-dihydr	460	JN	JN		ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	006682-71-9	1H-Indene, 2,3-dihydro-4,7-dimethy	27	JN	JN		ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	007525-62-4	Benzene, 1-ethenyl-3-ethyl-	74	JN	JN		ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	E966796	Total Alkanes	24	BN	BN		ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	unknown-01	unknown-01	11	J	J		ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	unknown-02	unknown-02	19	J	J		ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	unknown-04	unknown-04	38	J	J		ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	unknown-03	unknown-03	40	J	J		ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	000095-93-2	Benzene, 1,2,4,5-tetramethyl-	64	JN	JN		ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	000264-09-5	Benzocycloheptatriene	28	JN	JN		ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	000496-11-7	Indane	82	JN	JN		ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	000527-53-7	Benzene, 1,2,3,5-tetramethyl-	17	JN	JN		ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	000575-41-7	Naphthalene, 1,3-dimethyl-	15	JN	JN		ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	000611-14-3	Benzene, 1-ethyl-2-methyl-	59	JN	JN		ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	000700-12-9	Benzene, pentamethyl-	37	JN	JN		ug/kg	6100-SED13C
VBLK111		04/29/2021	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	74-87-3	Chloromethane	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	75-01-4	Vinyl chloride	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	74-83-9	Bromomethane	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	75-00-3	Chloroethane	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	67-64-1	Acetone	10	U	U	10	ug/kg	
VBLK111		04/29/2021	1.0	75-15-0	Carbon disulfide	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	79-20-9	Methyl Acetate	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	75-09-2	Methylene chloride	5.2			5.0	ug/kg	
VBLK111		04/29/2021	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	78-93-3	2-Butanone	10	U	U	10	ug/kg	
VBLK111		04/29/2021	1.0	74-97-5	Bromochloromethane	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	67-66-3	Chloroform	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	110-82-7	Cyclohexane	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	71-43-2	Benzene	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	79-01-6	Trichloroethene	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/kg	
VBLK111		04/29/2021	1.0	108-88-3	Toluene	0.80	J	J	5.0	ug/kg	
VBLK111		04/29/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/kg	

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
VBLK111		04/29/2021	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	108-90-7	Chlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	100-41-4	Ethylbenzene	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	95-47-6	o-Xylene	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	100-42-5	Styrene	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	75-25-2	Bromoform	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	96-18-4	1,2,3-Trichloropropane	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK111		04/29/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	
VBLK112		04/30/2021	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	74-87-3	Chloromethane	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	75-01-4	Vinyl chloride	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	74-83-9	Bromomethane	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	75-00-3	Chloroethane	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	67-64-1	Acetone	10	U	U	10	ug/kg	
VBLK112		04/30/2021	1.0	75-15-0	Carbon disulfide	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	79-20-9	Methyl Acetate	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	75-09-2	Methylene chloride	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	78-93-3	2-Butanone	10	U	U	10	ug/kg	
VBLK112		04/30/2021	1.0	74-97-5	Bromochloromethane	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	67-66-3	Chloroform	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	110-82-7	Cyclohexane	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	71-43-2	Benzene	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	79-01-6	Trichloroethene	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/kg	
VBLK112		04/30/2021	1.0	108-88-3	Toluene	0.66	J	J	5.0	ug/kg	
VBLK112		04/30/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/kg	
VBLK112		04/30/2021	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	108-90-7	Chlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	100-41-4	Ethylbenzene	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	95-47-6	o-Xylene	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	100-42-5	Styrene	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	75-25-2	Bromoform	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	96-18-4	1,2,3-Trichloropropane	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	5.0	U	U	5.0	ug/kg	

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
VBLK112		04/30/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK112		04/30/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	
VBLK115		05/05/2021	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5.0	ug/kg	
VBLK115		05/05/2021	1.0	74-87-3	Chloromethane	5.0	U	U	5.0	ug/kg	
VBLK115		05/05/2021	1.0	75-01-4	Vinyl chloride	5.0	U	U	5.0	ug/kg	
VBLK115		05/05/2021	1.0	74-83-9	Bromomethane	5.0	U	U	5.0	ug/kg	
VBLK115		05/05/2021	1.0	75-00-3	Chloroethane	5.0	U	U	5.0	ug/kg	
VBLK115		05/05/2021	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5.0	ug/kg	
VBLK115		05/05/2021	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5.0	ug/kg	
VBLK115		05/05/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5.0	ug/kg	
VBLK115		05/05/2021	1.0	67-64-1	Acetone	10	U	UJ	10	ug/kg	
VBLK115		05/05/2021	1.0	75-15-0	Carbon disulfide	5.0	U	U	5.0	ug/kg	
VBLK115		05/05/2021	1.0	79-20-9	Methyl Acetate	5.0	U	U	5.0	ug/kg	
VBLK115		05/05/2021	1.0	75-09-2	Methylene chloride	5.8			5.0	ug/kg	
VBLK115		05/05/2021	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5.0	ug/kg	
VBLK115		05/05/2021	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5.0	ug/kg	
VBLK115		05/05/2021	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5.0	ug/kg	
VBLK115		05/05/2021	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5.0	ug/kg	
VBLK115		05/05/2021	1.0	78-93-3	2-Butanone	10	U	U	10	ug/kg	
VBLK115		05/05/2021	1.0	74-97-5	Bromochloromethane	5.0	U	U	5.0	ug/kg	
VBLK115		05/05/2021	1.0	67-66-3	Chloroform	5.0	U	U	5.0	ug/kg	
VBLK115		05/05/2021	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5.0	ug/kg	
VBLK115		05/05/2021	1.0	110-82-7	Cyclohexane	5.0	U	U	5.0	ug/kg	
VBLK115		05/05/2021	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5.0	ug/kg	
VBLK115		05/05/2021	1.0	71-43-2	Benzene	5.0	U	U	5.0	ug/kg	
VBLK115		05/05/2021	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5.0	ug/kg	
VBLK115		05/05/2021	1.0	79-01-6	Trichloroethene	5.0	U	U	5.0	ug/kg	
VBLK115		05/05/2021	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5.0	ug/kg	
VBLK115		05/05/2021	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5.0	ug/kg	
VBLK115		05/05/2021	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5.0	ug/kg	
VBLK115		05/05/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5.0	ug/kg	
VBLK115		05/05/2021	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/kg	
VBLK115		05/05/2021	1.0	108-88-3	Toluene	5.0	U	U	5.0	ug/kg	
VBLK115		05/05/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5.0	ug/kg	
VBLK115		05/05/2021	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5.0	ug/kg	
VBLK115		05/05/2021	1.0	127-18-4	Tetrachloroethene	0.82	J	J	5.0	ug/kg	
VBLK115		05/05/2021	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/kg	
VBLK115		05/05/2021	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5.0	ug/kg	
VBLK115		05/05/2021	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5.0	ug/kg	
VBLK115		05/05/2021	1.0	108-90-7	Chlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK115		05/05/2021	1.0	100-41-4	Ethylbenzene	5.0	U	U	5.0	ug/kg	
VBLK115		05/05/2021	1.0	95-47-6	o-Xylene	5.0	U	U	5.0	ug/kg	
VBLK115		05/05/2021	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5.0	ug/kg	
VBLK115		05/05/2021	1.0	100-42-5	Styrene	5.0	U	U	5.0	ug/kg	
VBLK115		05/05/2021	1.0	75-25-2	Bromoform	5.0	U	U	5.0	ug/kg	
VBLK115		05/05/2021	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5.0	ug/kg	
VBLK115		05/05/2021	1.0	96-18-4	1,2,3-Trichloropropane	5.0	U	U	5.0	ug/kg	
VBLK115		05/05/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5.0	ug/kg	
VBLK115		05/05/2021	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK115		05/05/2021	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK115		05/05/2021	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK115		05/05/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5.0	ug/kg	
VBLK115		05/05/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	5.0	U	U	5.0	ug/kg	
VBLK115		05/05/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	5.0	U	U	5.0	ug/kg	
VBLK115		05/05/2021	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK115		05/05/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5.0	ug/kg	
VBLK115		05/05/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	
VBLK179		05/03/2021	1.0	75-71-8	Dichlorodifluoromethane	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	74-87-3	Chloromethane	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	75-01-4	Vinyl chloride	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	74-83-9	Bromomethane	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	75-00-3	Chloroethane	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	75-69-4	Trichlorofluoromethane	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	75-35-4	1,1-Dichloroethene	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	67-64-1	Acetone	500	U	U	500	ug/kg	
VBLK179		05/03/2021	1.0	75-15-0	Carbon disulfide	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	79-20-9	Methyl Acetate	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	75-09-2	Methylene chloride	250	U	U	250	ug/kg	

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
VBLK179		05/03/2021	1.0	156-60-5	trans-1,2-Dichloroethene	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	1634-04-4	Methyl tert-butyl Ether	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	75-34-3	1,1-Dichloroethane	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	156-59-2	cis-1,2-Dichloroethene	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	78-93-3	2-Butanone	500	U	U	500	ug/kg	
VBLK179		05/03/2021	1.0	74-97-5	Bromochloromethane	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	67-66-3	Chloroform	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	71-55-6	1,1,1-Trichloroethane	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	110-82-7	Cyclohexane	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	56-23-5	Carbon tetrachloride	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	71-43-2	Benzene	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	107-06-2	1,2-Dichloroethane	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	79-01-6	Trichloroethene	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	108-87-2	Methylcyclohexane	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	78-87-5	1,2-Dichloropropane	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	75-27-4	Bromodichloromethane	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	108-10-1	4-Methyl-2-pentanone	500	U	U	500	ug/kg	
VBLK179		05/03/2021	1.0	108-88-3	Toluene	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	79-00-5	1,1,2-Trichloroethane	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	127-18-4	Tetrachloroethene	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	591-78-6	2-Hexanone	500	U	U	500	ug/kg	
VBLK179		05/03/2021	1.0	124-48-1	Dibromochloromethane	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	106-93-4	1,2-Dibromoethane	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	108-90-7	Chlorobenzene	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	100-41-4	Ethylbenzene	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	95-47-6	o-Xylene	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	179601-23-1	m,p-Xylene	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	100-42-5	Styrene	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	75-25-2	Bromoform	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	98-82-8	Isopropylbenzene	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	96-18-4	1,2,3-Trichloropropane	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	541-73-1	1,3-Dichlorobenzene	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	106-46-7	1,4-Dichlorobenzene	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	95-50-1	1,2-Dichlorobenzene	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	120-82-1	1,2,4-trichlorobenzene	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	250	U	U	250	ug/kg	
VBLK179		05/03/2021	1.0	004749-35-3	Propanoic acid, 2,2,3-trichloro-,	140	JN	JN		ug/kg	
VBLK179		05/03/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	
VBLK180		05/03/2021	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5.0	ug/L	
VBLK180		05/03/2021	1.0	74-87-3	Chloromethane	5.0	U	U	5.0	ug/L	
VBLK180		05/03/2021	1.0	75-01-4	Vinyl chloride	5.0	U	U	5.0	ug/L	
VBLK180		05/03/2021	1.0	74-83-9	Bromomethane	5.0	U	U	5.0	ug/L	
VBLK180		05/03/2021	1.0	75-00-3	Chloroethane	5.0	U	U	5.0	ug/L	
VBLK180		05/03/2021	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5.0	ug/L	
VBLK180		05/03/2021	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5.0	ug/L	
VBLK180		05/03/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5.0	ug/L	
VBLK180		05/03/2021	1.0	67-64-1	Acetone	10	U	U	10	ug/L	
VBLK180		05/03/2021	1.0	75-15-0	Carbon disulfide	5.0	U	U	5.0	ug/L	
VBLK180		05/03/2021	1.0	79-20-9	Methyl Acetate	5.0	U	U	5.0	ug/L	
VBLK180		05/03/2021	1.0	75-09-2	Methylene chloride	5.0	U	U	5.0	ug/L	
VBLK180		05/03/2021	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5.0	ug/L	
VBLK180		05/03/2021	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5.0	ug/L	
VBLK180		05/03/2021	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5.0	ug/L	
VBLK180		05/03/2021	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5.0	ug/L	
VBLK180		05/03/2021	1.0	78-93-3	2-Butanone	10	U	U	10	ug/L	
VBLK180		05/03/2021	1.0	74-97-5	Bromochloromethane	5.0	U	U	5.0	ug/L	
VBLK180		05/03/2021	1.0	67-66-3	Chloroform	5.0	U	U	5.0	ug/L	
VBLK180		05/03/2021	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5.0	ug/L	
VBLK180		05/03/2021	1.0	110-82-7	Cyclohexane	5.0	U	U	5.0	ug/L	
VBLK180		05/03/2021	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5.0	ug/L	
VBLK180		05/03/2021	1.0	71-43-2	Benzene	5.0	U	U	5.0	ug/L	
VBLK180		05/03/2021	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5.0	ug/L	
VBLK180		05/03/2021	1.0	79-01-6	Trichloroethene	5.0	U	U	5.0	ug/L	
VBLK180		05/03/2021	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5.0	ug/L	
VBLK180		05/03/2021	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5.0	ug/L	

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
VBLK180		05/03/2021	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5.0	ug/L	
VBLK180		05/03/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5.0	ug/L	
VBLK180		05/03/2021	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/L	
VBLK180		05/03/2021	1.0	108-88-3	Toluene	5.0	U	U	5.0	ug/L	
VBLK180		05/03/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5.0	ug/L	
VBLK180		05/03/2021	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5.0	ug/L	
VBLK180		05/03/2021	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5.0	ug/L	
VBLK180		05/03/2021	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/L	
VBLK180		05/03/2021	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5.0	ug/L	
VBLK180		05/03/2021	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5.0	ug/L	
VBLK180		05/03/2021	1.0	108-90-7	Chlorobenzene	5.0	U	U	5.0	ug/L	
VBLK180		05/03/2021	1.0	100-41-4	Ethylbenzene	5.0	U	U	5.0	ug/L	
VBLK180		05/03/2021	1.0	95-47-6	o-Xylene	5.0	U	U	5.0	ug/L	
VBLK180		05/03/2021	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5.0	ug/L	
VBLK180		05/03/2021	1.0	100-42-5	Styrene	5.0	U	U	5.0	ug/L	
VBLK180		05/03/2021	1.0	75-25-2	Bromoform	5.0	U	U	5.0	ug/L	
VBLK180		05/03/2021	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5.0	ug/L	
VBLK180		05/03/2021	1.0	96-18-4	1,2,3-Trichloropropane	5.0	U	U	5.0	ug/L	
VBLK180		05/03/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5.0	ug/L	
VBLK180		05/03/2021	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5.0	ug/L	
VBLK180		05/03/2021	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5.0	ug/L	
VBLK180		05/03/2021	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5.0	ug/L	
VBLK180		05/03/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5.0	ug/L	
VBLK180		05/03/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	5.0	U	U	5.0	ug/L	
VBLK180		05/03/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	5.0	U	U	5.0	ug/L	
VBLK180		05/03/2021	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5.0	ug/L	
VBLK180		05/03/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5.0	ug/L	
VBLK180		05/03/2021	1.0	unknown-01	unknown-01	2.6	J	J		ug/L	
VBLK180		05/03/2021	1.0	E966796	Total Alkanes		N	N		ug/L	
VBLK182		05/04/2021	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5.0	ug/L	
VBLK182		05/04/2021	1.0	74-87-3	Chloromethane	5.0	U	U	5.0	ug/L	
VBLK182		05/04/2021	1.0	75-01-4	Vinyl chloride	5.0	U	U	5.0	ug/L	
VBLK182		05/04/2021	1.0	74-83-9	Bromomethane	5.0	U	U	5.0	ug/L	
VBLK182		05/04/2021	1.0	75-00-3	Chloroethane	5.0	U	U	5.0	ug/L	
VBLK182		05/04/2021	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5.0	ug/L	
VBLK182		05/04/2021	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5.0	ug/L	
VBLK182		05/04/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5.0	ug/L	
VBLK182		05/04/2021	1.0	67-64-1	Acetone	10	U	U	10	ug/L	
VBLK182		05/04/2021	1.0	75-15-0	Carbon disulfide	5.0	U	U	5.0	ug/L	
VBLK182		05/04/2021	1.0	79-20-9	Methyl Acetate	5.0	U	U	5.0	ug/L	
VBLK182		05/04/2021	1.0	75-09-2	Methylene chloride	5.0	U	U	5.0	ug/L	
VBLK182		05/04/2021	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5.0	ug/L	
VBLK182		05/04/2021	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5.0	ug/L	
VBLK182		05/04/2021	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5.0	ug/L	
VBLK182		05/04/2021	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5.0	ug/L	
VBLK182		05/04/2021	1.0	78-93-3	2-Butanone	10	U	U	10	ug/L	
VBLK182		05/04/2021	1.0	74-97-5	Bromochloromethane	5.0	U	U	5.0	ug/L	
VBLK182		05/04/2021	1.0	67-66-3	Chloroform	5.0	U	U	5.0	ug/L	
VBLK182		05/04/2021	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5.0	ug/L	
VBLK182		05/04/2021	1.0	110-82-7	Cyclohexane	5.0	U	U	5.0	ug/L	
VBLK182		05/04/2021	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5.0	ug/L	
VBLK182		05/04/2021	1.0	71-43-2	Benzene	5.0	U	U	5.0	ug/L	
VBLK182		05/04/2021	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5.0	ug/L	
VBLK182		05/04/2021	1.0	79-01-6	Trichloroethene	5.0	U	U	5.0	ug/L	
VBLK182		05/04/2021	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5.0	ug/L	
VBLK182		05/04/2021	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5.0	ug/L	
VBLK182		05/04/2021	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5.0	ug/L	
VBLK182		05/04/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5.0	ug/L	
VBLK182		05/04/2021	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/L	
VBLK182		05/04/2021	1.0	108-88-3	Toluene	5.0	U	U	5.0	ug/L	
VBLK182		05/04/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5.0	ug/L	
VBLK182		05/04/2021	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5.0	ug/L	
VBLK182		05/04/2021	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5.0	ug/L	
VBLK182		05/04/2021	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/L	
VBLK182		05/04/2021	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5.0	ug/L	
VBLK182		05/04/2021	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5.0	ug/L	
VBLK182		05/04/2021	1.0	108-90-7	Chlorobenzene	5.0	U	U	5.0	ug/L	
VBLK182		05/04/2021	1.0	100-41-4	Ethylbenzene	5.0	U	U	5.0	ug/L	
VBLK182		05/04/2021	1.0	95-47-6	o-Xylene	5.0	U	U	5.0	ug/L	
VBLK182		05/04/2021	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5.0	ug/L	
VBLK182		05/04/2021	1.0	100-42-5	Styrene	5.0	U	U	5.0	ug/L	

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
VBLK182		05/04/2021	1.0	75-25-2	Bromoform	5.0	U	U	5.0	ug/L	
VBLK182		05/04/2021	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5.0	ug/L	
VBLK182		05/04/2021	1.0	96-18-4	1,2,3-Trichloropropane	5.0	U	U	5.0	ug/L	
VBLK182		05/04/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5.0	ug/L	
VBLK182		05/04/2021	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5.0	ug/L	
VBLK182		05/04/2021	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5.0	ug/L	
VBLK182		05/04/2021	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5.0	ug/L	
VBLK182		05/04/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5.0	ug/L	
VBLK182		05/04/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	5.0	U	U	5.0	ug/L	
VBLK182		05/04/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	5.0	U	U	5.0	ug/L	
VBLK182		05/04/2021	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5.0	ug/L	
VBLK182		05/04/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5.0	ug/L	
VBLK182		05/04/2021	1.0	unknown-01	unknown-01	2.7	J	J		ug/L	
VBLK182		05/04/2021	1.0	E966796	Total Alkanes		N	N		ug/L	
VHBLK001		05/05/2021	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5.0	ug/kg	
VHBLK001		05/05/2021	1.0	74-87-3	Chloromethane	5.0	U	U	5.0	ug/kg	
VHBLK001		05/05/2021	1.0	75-01-4	Vinyl chloride	5.0	U	U	5.0	ug/kg	
VHBLK001		05/05/2021	1.0	74-83-9	Bromomethane	5.0	U	U	5.0	ug/kg	
VHBLK001		05/05/2021	1.0	75-00-3	Chloroethane	5.0	U	U	5.0	ug/kg	
VHBLK001		05/05/2021	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5.0	ug/kg	
VHBLK001		05/05/2021	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5.0	ug/kg	
VHBLK001		05/05/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5.0	ug/kg	
VHBLK001		05/05/2021	1.0	67-64-1	Acetone	10	U	UJ	10	ug/kg	
VHBLK001		05/05/2021	1.0	75-15-0	Carbon disulfide	5.0	U	U	5.0	ug/kg	
VHBLK001		05/05/2021	1.0	79-20-9	Methyl Acetate	5.0	U	U	5.0	ug/kg	
VHBLK001		05/05/2021	1.0	75-09-2	Methylene chloride	5.7	B		5.0	ug/kg	
VHBLK001		05/05/2021	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5.0	ug/kg	
VHBLK001		05/05/2021	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5.0	ug/kg	
VHBLK001		05/05/2021	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5.0	ug/kg	
VHBLK001		05/05/2021	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5.0	ug/kg	
VHBLK001		05/05/2021	1.0	78-93-3	2-Butanone	10	U	U	10	ug/kg	
VHBLK001		05/05/2021	1.0	74-97-5	Bromochloromethane	5.0	U	U	5.0	ug/kg	
VHBLK001		05/05/2021	1.0	67-66-3	Chloroform	5.0	U	U	5.0	ug/kg	
VHBLK001		05/05/2021	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5.0	ug/kg	
VHBLK001		05/05/2021	1.0	110-82-7	Cyclohexane	5.0	U	U	5.0	ug/kg	
VHBLK001		05/05/2021	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5.0	ug/kg	
VHBLK001		05/05/2021	1.0	71-43-2	Benzene	5.0	U	U	5.0	ug/kg	
VHBLK001		05/05/2021	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5.0	ug/kg	
VHBLK001		05/05/2021	1.0	79-01-6	Trichloroethene	5.0	U	U	5.0	ug/kg	
VHBLK001		05/05/2021	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5.0	ug/kg	
VHBLK001		05/05/2021	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5.0	ug/kg	
VHBLK001		05/05/2021	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5.0	ug/kg	
VHBLK001		05/05/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5.0	ug/kg	
VHBLK001		05/05/2021	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/kg	
VHBLK001		05/05/2021	1.0	108-88-3	Toluene	0.66	J	J	5.0	ug/kg	
VHBLK001		05/05/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5.0	ug/kg	
VHBLK001		05/05/2021	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5.0	ug/kg	
VHBLK001		05/05/2021	1.0	127-18-4	Tetrachloroethene	0.88	JB	J	5.0	ug/kg	
VHBLK001		05/05/2021	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/kg	
VHBLK001		05/05/2021	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5.0	ug/kg	
VHBLK001		05/05/2021	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5.0	ug/kg	
VHBLK001		05/05/2021	1.0	108-90-7	Chlorobenzene	5.0	U	U	5.0	ug/kg	
VHBLK001		05/05/2021	1.0	100-41-4	Ethylbenzene	5.0	U	U	5.0	ug/kg	
VHBLK001		05/05/2021	1.0	95-47-6	o-Xylene	5.0	U	U	5.0	ug/kg	
VHBLK001		05/05/2021	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5.0	ug/kg	
VHBLK001		05/05/2021	1.0	100-42-5	Styrene	5.0	U	U	5.0	ug/kg	
VHBLK001		05/05/2021	1.0	75-25-2	Bromoform	5.0	U	U	5.0	ug/kg	
VHBLK001		05/05/2021	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5.0	ug/kg	
VHBLK001		05/05/2021	1.0	96-18-4	1,2,3-Trichloropropane	5.0	U	U	5.0	ug/kg	
VHBLK001		05/05/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5.0	ug/kg	
VHBLK001		05/05/2021	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VHBLK001		05/05/2021	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VHBLK001		05/05/2021	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5.0	ug/kg	
VHBLK001		05/05/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5.0	ug/kg	
VHBLK001		05/05/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	5.0	U	U	5.0	ug/kg	
VHBLK001		05/05/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	5.0	U	U	5.0	ug/kg	
VHBLK001		05/05/2021	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5.0	ug/kg	
VHBLK001		05/05/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5.0	ug/kg	
VHBLK001		05/05/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	
VHBLK002		05/04/2021	1.0	75-71-8	Dichlorodifluoromethane	5.0	U	U	5.0	ug/L	
VHBLK002		05/04/2021	1.0	74-87-3	Chloromethane	5.0	U	U	5.0	ug/L	

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
VHBLK002		05/04/2021	1.0	75-01-4	Vinyl chloride	5.0	U	U	5.0	ug/L	
VHBLK002		05/04/2021	1.0	74-83-9	Bromomethane	5.0	U	U	5.0	ug/L	
VHBLK002		05/04/2021	1.0	75-00-3	Chloroethane	5.0	U	U	5.0	ug/L	
VHBLK002		05/04/2021	1.0	75-69-4	Trichlorofluoromethane	5.0	U	U	5.0	ug/L	
VHBLK002		05/04/2021	1.0	75-35-4	1,1-Dichloroethene	5.0	U	U	5.0	ug/L	
VHBLK002		05/04/2021	1.0	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	U	5.0	ug/L	
VHBLK002		05/04/2021	1.0	67-64-1	Acetone	10	U	U	10	ug/L	
VHBLK002		05/04/2021	1.0	75-15-0	Carbon disulfide	5.0	U	U	5.0	ug/L	
VHBLK002		05/04/2021	1.0	79-20-9	Methyl Acetate	5.0	U	U	5.0	ug/L	
VHBLK002		05/04/2021	1.0	75-09-2	Methylene chloride	1.5	J	J	5.0	ug/L	
VHBLK002		05/04/2021	1.0	156-60-5	trans-1,2-Dichloroethene	5.0	U	U	5.0	ug/L	
VHBLK002		05/04/2021	1.0	1634-04-4	Methyl tert-butyl Ether	5.0	U	U	5.0	ug/L	
VHBLK002		05/04/2021	1.0	75-34-3	1,1-Dichloroethane	5.0	U	U	5.0	ug/L	
VHBLK002		05/04/2021	1.0	156-59-2	cis-1,2-Dichloroethene	5.0	U	U	5.0	ug/L	
VHBLK002		05/04/2021	1.0	78-93-3	2-Butanone	10	U	U	10	ug/L	
VHBLK002		05/04/2021	1.0	74-97-5	Bromochloromethane	5.0	U	U	5.0	ug/L	
VHBLK002		05/04/2021	1.0	67-66-3	Chloroform	5.0	U	U	5.0	ug/L	
VHBLK002		05/04/2021	1.0	71-55-6	1,1,1-Trichloroethane	5.0	U	U	5.0	ug/L	
VHBLK002		05/04/2021	1.0	110-82-7	Cyclohexane	5.0	U	U	5.0	ug/L	
VHBLK002		05/04/2021	1.0	56-23-5	Carbon tetrachloride	5.0	U	U	5.0	ug/L	
VHBLK002		05/04/2021	1.0	71-43-2	Benzene	5.0	U	U	5.0	ug/L	
VHBLK002		05/04/2021	1.0	107-06-2	1,2-Dichloroethane	5.0	U	U	5.0	ug/L	
VHBLK002		05/04/2021	1.0	79-01-6	Trichloroethene	5.0	U	U	5.0	ug/L	
VHBLK002		05/04/2021	1.0	108-87-2	Methylcyclohexane	5.0	U	U	5.0	ug/L	
VHBLK002		05/04/2021	1.0	78-87-5	1,2-Dichloropropane	5.0	U	U	5.0	ug/L	
VHBLK002		05/04/2021	1.0	75-27-4	Bromodichloromethane	5.0	U	U	5.0	ug/L	
VHBLK002		05/04/2021	1.0	10061-01-5	cis-1,3-Dichloropropene	5.0	U	U	5.0	ug/L	
VHBLK002		05/04/2021	1.0	108-10-1	4-Methyl-2-pentanone	10	U	U	10	ug/L	
VHBLK002		05/04/2021	1.0	108-88-3	Toluene	5.0	U	U	5.0	ug/L	
VHBLK002		05/04/2021	1.0	10061-02-6	trans-1,3-Dichloropropene	5.0	U	U	5.0	ug/L	
VHBLK002		05/04/2021	1.0	79-00-5	1,1,2-Trichloroethane	5.0	U	U	5.0	ug/L	
VHBLK002		05/04/2021	1.0	127-18-4	Tetrachloroethene	5.0	U	U	5.0	ug/L	
VHBLK002		05/04/2021	1.0	591-78-6	2-Hexanone	10	U	U	10	ug/L	
VHBLK002		05/04/2021	1.0	124-48-1	Dibromochloromethane	5.0	U	U	5.0	ug/L	
VHBLK002		05/04/2021	1.0	106-93-4	1,2-Dibromoethane	5.0	U	U	5.0	ug/L	
VHBLK002		05/04/2021	1.0	108-90-7	Chlorobenzene	5.0	U	U	5.0	ug/L	
VHBLK002		05/04/2021	1.0	100-41-4	Ethylbenzene	5.0	U	U	5.0	ug/L	
VHBLK002		05/04/2021	1.0	95-47-6	o-Xylene	5.0	U	U	5.0	ug/L	
VHBLK002		05/04/2021	1.0	179601-23-1	m,p-Xylene	5.0	U	U	5.0	ug/L	
VHBLK002		05/04/2021	1.0	100-42-5	Styrene	5.0	U	U	5.0	ug/L	
VHBLK002		05/04/2021	1.0	75-25-2	Bromoform	5.0	U	U	5.0	ug/L	
VHBLK002		05/04/2021	1.0	98-82-8	Isopropylbenzene	5.0	U	U	5.0	ug/L	
VHBLK002		05/04/2021	1.0	96-18-4	1,2,3-Trichloropropane	5.0	U	U	5.0	ug/L	
VHBLK002		05/04/2021	1.0	79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	U	5.0	ug/L	
VHBLK002		05/04/2021	1.0	541-73-1	1,3-Dichlorobenzene	5.0	U	U	5.0	ug/L	
VHBLK002		05/04/2021	1.0	106-46-7	1,4-Dichlorobenzene	5.0	U	U	5.0	ug/L	
VHBLK002		05/04/2021	1.0	95-50-1	1,2-Dichlorobenzene	5.0	U	U	5.0	ug/L	
VHBLK002		05/04/2021	1.0	96-12-8	1,2-Dibromo-3-chloropropane	5.0	U	U	5.0	ug/L	
VHBLK002		05/04/2021	1.0	95-63-6	1,2,4-Trimethylbenzene	5.0	U	U	5.0	ug/L	
VHBLK002		05/04/2021	1.0	108-67-8	1,3,5-Trimethylbenzene	5.0	U	U	5.0	ug/L	
VHBLK002		05/04/2021	1.0	120-82-1	1,2,4-trichlorobenzene	5.0	U	U	5.0	ug/L	
VHBLK002		05/04/2021	1.0	87-61-6	1,2,3-Trichlorobenzene	5.0	U	U	5.0	ug/L	
VHBLK002		05/04/2021	1.0	E966796	Total Alkanes		N	N		ug/L	
BG593	DI Water	04/27/2021	1.0	123-91-1	1,4-Dioxane	2.4	U	U	2.4	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	100-52-7	Benzaldehyde	12	U	U	12	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	108-95-2	Phenol	12	U	U	12	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	12	U	U	12	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	95-57-8	2-Chlorophenol	6.0	U	U	6.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	95-48-7	2-Methylphenol	12	U	U	12	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	12	U	U	12	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	98-86-2	Acetophenone	12	U	U	12	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	106-44-5	4-Methylphenol	12	U	U	12	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	6.0	U	U	6.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	67-72-1	Hexachloroethane	6.0	U	U	6.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	98-95-3	Nitrobenzene	6.0	U	U	6.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	78-59-1	Isophorone	6.0	U	U	6.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	88-75-5	2-Nitrophenol	6.0	U	U	6.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	105-67-9	2,4-Dimethylphenol	6.0	U	U	6.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	6.0	U	U	6.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	120-83-2	2,4-Dichlorophenol	6.0	U	U	6.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	91-20-3	Naphthalene	6.0	U	U	6.0	ug/L	6100-RIN04

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG593	DI Water	04/27/2021	1.0	106-47-8	4-Chloroaniline	12	U	U	12	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	87-68-3	Hexachlorobutadiene	6.0	U	U	6.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	105-60-2	Caprolactam	12	U	U	12	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	59-50-7	4-Chloro-3-methylphenol	6.0	U	U	6.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	90-12-0	1-Methylnaphthalene	6.0	U	U	6.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	91-57-6	2-Methylnaphthalene	6.0	U	U	6.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	77-47-4	Hexachlorocyclopentadiene	12	U	U	12	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	88-06-2	2,4,6-Trichlorophenol	6.0	U	U	6.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	95-95-4	2,4,5-Trichlorophenol	6.0	U	U	6.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	92-52-4	1,1-Biphenyl	6.0	U	U	6.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	91-58-7	2-Chloronaphthalene	6.0	U	U	6.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	88-74-4	2-Nitroaniline	6.0	U	UJ	6.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	131-11-3	Dimethylphthalate	1.7	J	J	6.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	606-20-2	2,6-Dinitrotoluene	6.0	U	U	6.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	208-96-8	Acenaphthylene	6.0	U	U	6.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	99-09-2	3-Nitroaniline	12	U	UJ	12	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	83-32-9	Acenaphthene	6.0	U	U	6.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	51-28-5	2,4-Dinitrophenol	12	U	UJ	12	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	100-02-7	4-Nitrophenol	12	U	UJ	12	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	132-64-9	Dibenzofuran	6.0	U	U	6.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	121-14-2	2,4-Dinitrotoluene	6.0	U	U	6.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	84-66-2	Diethylphthalate	2.5	J	J	6.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	86-73-7	Fluorene	6.0	U	U	6.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	6.0	U	U	6.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	100-01-6	4-Nitroaniline	12	U	UJ	12	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	12	U	U	12	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	86-30-6	N-Nitrosodiphenylamine	6.0	U	U	6.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	6.0	U	U	6.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	101-55-3	4-Bromophenyl-phenylether	6.0	U	U	6.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	118-74-1	Hexachlorobenzene	6.0	U	U	6.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	1912-24-9	Atrazine	12	U	U	12	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	87-86-5	Pentachlorophenol	12	U	U	12	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	85-01-8	Phenanthrene	6.0	U	U	6.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	120-12-7	Anthracene	6.0	U	U	6.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	86-74-8	Carbazole	12	U	U	12	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	84-74-2	Di-n-butylphthalate	6.0	U	U	6.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	206-44-0	Fluoranthene	6.0	U	U	6.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	129-00-0	Pyrene	6.0	U	U	6.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	85-68-7	Butylbenzylphthalate	6.0	U	U	6.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	91-94-1	3,3-Dichlorobenzidine	12	U	U	12	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	56-55-3	Benzo(a)anthracene	6.0	U	U	6.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	218-01-9	Chrysene	6.0	U	U	6.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	6.0	U	U	6.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	117-84-0	Di-n-octyl phthalate	12	U	U	12	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	205-99-2	Benzo(b)fluoranthene	6.0	U	U	6.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	207-08-9	Benzo(k)fluoranthene	6.0	U	U	6.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	50-32-8	Benzo(a)pyrene	6.0	U	U	6.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	6.0	U	U	6.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	6.0	U	U	6.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	191-24-2	Benzo(g,h,i)perylene	6.0	U	U	6.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	6.0	U	U	6.0	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	unknown-01	unknown-01	11	J	J		ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	unknown-02	unknown-02	13	J	J		ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	000057-10-3	n-Hexadecanoic acid	3.6	JN	JN		ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	000111-76-2	Ethanol, 2-butoxy-	5.7	JN	JN		ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	000143-07-7	Dodecanoic acid	17	JN	JN		ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	001678-45-1	Dodecanoic acid, 2-hydroxy-1-(hydr	3.6	JN	JN		ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	E966796	Total Alkanes	11	B	B		ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	014473-55-3	Myristin, 2,3-diaceto-1-	3.4	JN	JN		ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	055268-69-4	Hexadecanoic acid, 2-(acetyloxy)-1	5.6	JN	JN		ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	055401-62-2	Octadecanoic acid, 2-(acetyloxy)-1	5.7	JN	JN		ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	055429-67-9	Eicosanoic acid, 2,3-bis(acetyloxy	7.4	JN	JN		ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	074367-33-2	Propanoic acid, 2-methyl-, 2,2-dim	6.0	JN	JN		ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	074367-34-3	Propanoic acid, 2-methyl-, 3-hydro	5.0	JN	JN		ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	014290-23-4	Myristin, 1,3-diaceto-2-	7.5	JN	JN		ug/L	6100-RIN04
BG599	DI Water	04/27/2021	1.0	123-91-1	1,4-Dioxane	2.0	U	U	2.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	100-52-7	Benzaldehyde	10	U	U	10	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	108-95-2	Phenol	10	U	U	10	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	10	U	U	10	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	95-57-8	2-Chlorophenol	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	95-48-7	2-Methylphenol	10	U	U	10	ug/L	6100-RIN05

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG599	DI Water	04/27/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	10	U	U	10	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	98-86-2	Acetophenone	10	U	U	10	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	106-44-5	4-Methylphenol	10	U	U	10	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	67-72-1	Hexachloroethane	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	98-95-3	Nitrobenzene	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	78-59-1	Isophorone	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	88-75-5	2-Nitrophenol	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	105-67-9	2,4-Dimethylphenol	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	120-83-2	2,4-Dichlorophenol	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	91-20-3	Naphthalene	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	106-47-8	4-Chloroaniline	10	U	U	10	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	87-68-3	Hexachlorobutadiene	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	105-60-2	Caprolactam	10	U	U	10	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	59-50-7	4-Chloro-3-methylphenol	2.6	J	J	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	90-12-0	1-Methylnaphthalene	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	91-57-6	2-Methylnaphthalene	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	77-47-4	Hexachlorocyclopentadiene	10	U	U	10	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	88-06-2	2,4,6-Trichlorophenol	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	95-95-4	2,4,5-Trichlorophenol	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	92-52-4	1,1-Biphenyl	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	91-58-7	2-Chloronaphthalene	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	88-74-4	2-Nitroaniline	5.0	U	UJ	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	131-11-3	Dimethylphthalate	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	606-20-2	2,6-Dinitrotoluene	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	208-96-8	Acenaphthylene	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	99-09-2	3-Nitroaniline	10	U	UJ	10	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	83-32-9	Acenaphthene	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	51-28-5	2,4-Dinitrophenol	10	U	UJ	10	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	100-02-7	4-Nitrophenol	10	U	UJ	10	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	132-64-9	Dibenzofuran	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	121-14-2	2,4-Dinitrotoluene	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	84-66-2	Diethylphthalate	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	86-73-7	Fluorene	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	100-01-6	4-Nitroaniline	10	U	UJ	10	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	10	U	U	10	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	86-30-6	N-Nitrosodiphenylamine	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	101-55-3	4-Bromophenyl-phenylether	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	118-74-1	Hexachlorobenzene	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	1912-24-9	Atrazine	10	U	U	10	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	87-86-5	Pentachlorophenol	10	U	U	10	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	85-01-8	Phenanthrene	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	120-12-7	Anthracene	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	86-74-8	Carbazole	10	U	U	10	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	84-74-2	Di-n-butylphthalate	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	206-44-0	Fluoranthene	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	129-00-0	Pyrene	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	85-68-7	Butylbenzylphthalate	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	91-94-1	3,3-Dichlorobenzidine	10	U	U	10	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	56-55-3	Benzo(a)anthracene	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	218-01-9	Chrysene	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	117-84-0	Di-n-octyl phthalate	10	U	U	10	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	205-99-2	Benzo(b)fluoranthene	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	207-08-9	Benzo(k)fluoranthene	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	50-32-8	Benzo(a)pyrene	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	191-24-2	Benzo(g,h,i)perylene	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	5.0	U	U	5.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	000090-05-1	Phenol, 2-methoxy-	4.0	JN	JN		ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	000629-64-1	Heptane, 1,1-oxybis-	2.7	JN	JN		ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	006846-50-0	2,2,4-Trimethyl-1,3-pentanediol di	2.2	JN	JN		ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	E966796	Total Alkanes	2.8	B	B		ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	074367-33-2	Propanoic acid, 2-methyl-, 2,2-dim	2.5	JN	JN		ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	074367-34-3	Propanoic acid, 2-methyl-, 3-hydro	4.5	JN	JN		ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	082304-66-3	7,9-Di-tert-butyl-1-oxaspiro(4,5)d	4.2	JN	JN		ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	074339-54-1	Trichloroacetic acid, hexadecyl es	3.8	JN	JN		ug/L	6100-RIN05

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG595	Sediment	04/26/2021	1.0	123-91-1	1,4-Dioxane	140	U	UJ	140	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	100-52-7	Benzaldehyde	710	U	U	710	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	108-95-2	Phenol	710	U	U	710	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	710	U	U	710	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	95-57-8	2-Chlorophenol	370	U	U	370	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	95-48-7	2-Methylphenol	710	U	U	710	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	710	U	U	710	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	98-86-2	Acetophenone	710	U	U	710	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	106-44-5	4-Methylphenol	710	U	U	710	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	370	U	U	370	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	67-72-1	Hexachloroethane	370	U	U	370	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	98-95-3	Nitrobenzene	370	U	U	370	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	78-59-1	Isophorone	370	U	U	370	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	88-75-5	2-Nitrophenol	370	U	U	370	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	105-67-9	2,4-Dimethylphenol	370	U	U	370	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	370	U	U	370	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	120-83-2	2,4-Dichlorophenol	370	U	U	370	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	91-20-3	Naphthalene	240	J	J	370	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	106-47-8	4-Chloroaniline	710	U	U	710	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	87-68-3	Hexachlorobutadiene	370	U	U	370	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	105-60-2	Caprolactam	710	U	U	710	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	59-50-7	4-Chloro-3-methylphenol	370	U	U	370	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	90-12-0	1-Methylnaphthalene	190	J	J	370	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	91-57-6	2-Methylnaphthalene	110	J	J	370	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	77-47-4	Hexachlorocyclopentadiene	710	U	U	710	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	88-06-2	2,4,6-Trichlorophenol	370	U	U	370	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	95-95-4	2,4,5-Trichlorophenol	370	U	U	370	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	92-52-4	1,1-Biphenyl	370	U	U	370	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	91-58-7	2-Chloronaphthalene	370	U	U	370	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	88-74-4	2-Nitroaniline	370	U	U	370	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	131-11-3	Dimethylphthalate	130	J	J	370	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	606-20-2	2,6-Dinitrotoluene	370	U	U	370	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	208-96-8	Acenaphthylene	230	J	J	370	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	99-09-2	3-Nitroaniline	710	U	U	710	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	83-32-9	Acenaphthene	250	J	J	370	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	51-28-5	2,4-Dinitrophenol	710	U	U	710	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	100-02-7	4-Nitrophenol	710	U	U	710	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	132-64-9	Dibenzofuran	370	U	U	370	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	121-14-2	2,4-Dinitrotoluene	370	U	U	370	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	84-66-2	Diethylphthalate	370	U	U	370	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	86-73-7	Fluorene	260	J	J	370	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	370	U	U	370	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	100-01-6	4-Nitroaniline	710	U	U	710	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	710	U	UJ	710	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	86-30-6	N-Nitrosodiphenylamine	370	U	U	370	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	370	U	U	370	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	101-55-3	4-Bromophenyl-phenylether	370	U	U	370	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	118-74-1	Hexachlorobenzene	370	U	U	370	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	1912-24-9	Atrazine	710	U	U	710	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	87-86-5	Pentachlorophenol	710	U	U	710	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	85-01-8	Phenanthrene	1800			370	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	120-12-7	Anthracene	700			370	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	86-74-8	Carbazole	710	U	U	710	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	84-74-2	Di-n-butylphthalate	370	U	U	370	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	206-44-0	Fluoranthene	2700			370	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	129-00-0	Pyrene	3300			370	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	85-68-7	Butylbenzylphthalate	370	U	U	370	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	91-94-1	3,3-Dichlorobenzidine	710	U	U	710	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	56-55-3	Benzo(a)anthracene	1800			370	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	218-01-9	Chrysene	1700			370	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	370	U	U	370	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	117-84-0	Di-n-octyl phthalate	710	U	U	710	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	205-99-2	Benzo(b)fluoranthene	1500			370	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	207-08-9	Benzo(k)fluoranthene	360	J	J	370	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	50-32-8	Benzo(a)pyrene	1600			370	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	560			370	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	210	J	J	370	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	191-24-2	Benzo(g,h,i)perylene	660			370	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	370	U	U	370	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	000483-65-8	Retene	1300	JN	JN		ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	000483-87-4	Phenanthrene, 1,7-dimethyl-	370	JN	JN		ug/kg	6100-SED13B

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG595	Sediment	04/26/2021	1.0	000571-58-4	Naphthalene, 1,4-dimethyl-	230	JN	JN		ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	000575-43-9	Naphthalene, 1,6-dimethyl-	270	JN	JN		ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	000581-40-8	Naphthalene, 2,3-dimethyl-	360	JN	JN		ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	000613-12-7	Anthracene, 2-methyl-	1100	JN	JN		ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	000779-02-2	Anthracene, 9-methyl-	600	JN	JN		ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	000829-26-5	Naphthalene, 2,3,6-trimethyl-	310	JN	JN		ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	000949-41-7	1H-Cyclopropa[l]phenanthrene,1a,9b	540	JN	JN		ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	002131-42-2	Naphthalene, 1,4,6-trimethyl-	270	JN	JN		ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	002136-70-1	Ethanol, 2-(tetradecyloxy)-	340	JN	JN		ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	002245-38-7	Naphthalene, 1,6,7-trimethyl-	320	JN	JN		ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	002531-84-2	Phenanthrene, 2-methyl-	680	JN	JN		ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	002958-76-1	Naphthalene, decahydro-2-methyl-	170	JN	JN		ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	003674-66-6	Phenanthrene, 2,5-dimethyl-	630	JN	JN		ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	005672-97-9	5,16[1,2]:8,13[1,2]-Dibenzen	280	JN	JN		ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	006566-19-4	10,18-Bisnorabieta-5,7,9(10),11,13	800	JN	JN		ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	007659-86-1	2-Ethylhexyl mercaptoacetate	940	JN	JN		ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	031317-07-4	1-Methyldibenzothiophene	390	JN	JN		ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	1000152-47-3	trans-Decalin, 2-methyl-	210	JN	JN		ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	1000197-14-1	4b,8-Dimethyl-2-isopropylphenanthr	640	JN	JN		ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	1000293-16-6	18-Norabietane	720	JN	JN		ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	E966796	Total Alkanes	8800	N	N		ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	unknown-01	unknown-01	190	J	J		ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	unknown-04	unknown-04	180	J	J		ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	unknown-02	unknown-02	370	J	J		ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	unknown-03	unknown-03	430	J	J		ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	000203-64-5	4H-Cyclopenta[def]phenanthrene	1500	JN	JN		ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	000238-84-6	11H-Benzo[a]fluorene	400	JN	JN		ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	000243-17-4	11H-Benzo[b]fluorene	470	JN	JN		ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	000473-08-5	7-Isopropenyl-1,4a-dimethyl-4,4a,5	1500	JN	JN		ug/kg	6100-SED13B
BG596	Sediment	04/26/2021	1.0	123-91-1	1,4-Dioxane	110	U	UJ	110	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	100-52-7	Benzaldehyde	540	U	U	540	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	108-95-2	Phenol	540	U	U	540	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	540	U	U	540	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	95-57-8	2-Chlorophenol	280	U	U	280	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	95-48-7	2-Methylphenol	540	U	U	540	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	540	U	U	540	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	98-86-2	Acetophenone	540	U	U	540	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	106-44-5	4-Methylphenol	540	U	U	540	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	280	U	U	280	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	67-72-1	Hexachloroethane	280	U	U	280	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	98-95-3	Nitrobenzene	280	U	U	280	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	78-59-1	Isophorone	280	U	U	280	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	88-75-5	2-Nitrophenol	280	U	U	280	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	105-67-9	2,4-Dimethylphenol	280	U	U	280	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	280	U	U	280	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	120-83-2	2,4-Dichlorophenol	280	U	U	280	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	91-20-3	Naphthalene	70	J	J	280	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	106-47-8	4-Chloroaniline	540	U	U	540	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	87-68-3	Hexachlorobutadiene	280	U	U	280	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	105-60-2	Caprolactam	540	U	U	540	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	59-50-7	4-Chloro-3-methylphenol	280	U	U	280	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	90-12-0	1-Methylnaphthalene	130	J	J	280	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	91-57-6	2-Methylnaphthalene	87	J	J	280	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	77-47-4	Hexachlorocyclopentadiene	540	U	U	540	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	88-06-2	2,4,6-Trichlorophenol	280	U	U	280	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	95-95-4	2,4,5-Trichlorophenol	280	U	U	280	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	92-52-4	1,1-Biphenyl	280	U	U	280	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	91-58-7	2-Chloronaphthalene	280	U	U	280	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	88-74-4	2-Nitroaniline	280	U	U	280	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	131-11-3	Dimethylphthalate	63	J	J	280	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	606-20-2	2,6-Dinitrotoluene	280	U	U	280	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	208-96-8	Acenaphthylene	83	J	J	280	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	99-09-2	3-Nitroaniline	540	U	U	540	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	83-32-9	Acenaphthene	180	J	J	280	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	51-28-5	2,4-Dinitrophenol	540	U	U	540	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	100-02-7	4-Nitrophenol	540	U	U	540	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	132-64-9	Dibenzofuran	280	U	U	280	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	121-14-2	2,4-Dinitrotoluene	280	U	U	280	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	84-66-2	Diethylphthalate	280	U	U	280	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	86-73-7	Fluorene	140	J	J	280	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	280	U	U	280	ug/kg	6100-SED13C

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG596	Sediment	04/26/2021	1.0	100-01-6	4-Nitroaniline	540	U	U	540	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	540	U	U	540	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	86-30-6	N-Nitrosodiphenylamine	100	J	J	280	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	280	U	U	280	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	101-55-3	4-Bromophenyl-phenylether	280	U	U	280	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	118-74-1	Hexachlorobenzene	280	U	U	280	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	1912-24-9	Atrazine	540	U	U	540	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	87-86-5	Pentachlorophenol	540	U	U	540	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	85-01-8	Phenanthrene	820			280	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	120-12-7	Anthracene	270	J	J	280	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	86-74-8	Carbazole	540	U	U	540	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	84-74-2	Di-n-butylphthalate	280	U	U	280	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	206-44-0	Fluoranthene	760			280	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	129-00-0	Pyrene	950			280	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	85-68-7	Butylbenzylphthalate	280	U	U	280	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	91-94-1	3,3-Dichlorobenzidine	540	U	U	540	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	56-55-3	Benzo(a)anthracene	400			280	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	218-01-9	Chrysene	420			280	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	280	U	U	280	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	117-84-0	Di-n-octyl phthalate	540	U	U	540	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	205-99-2	Benzo(b)fluoranthene	380			280	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	207-08-9	Benzo(k)fluoranthene	110	J	J	280	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	50-32-8	Benzo(a)pyrene	370			280	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	140	J	J	280	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	280	U	U	280	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	191-24-2	Benzo(g,h,i)perylene	160	J	J	280	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	280	U	U	280	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	000203-64-5	4H-Cyclopenta[def]phenanthrene	640	JN	JN		ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	033543-31-6	Fluoranthene, 2-methyl-	160	JN	JN		ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	000483-65-8	Retene	290	JN	JN		ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	000575-43-9	Naphthalene, 1,6-dimethyl-	140	JN	JN		ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	000581-40-8	Naphthalene, 2,3-dimethyl-	160	JN	JN		ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	000613-12-7	Anthracene, 2-methyl-	530	JN	JN		ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	000779-02-2	Anthracene, 9-methyl-	300	JN	JN		ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	000886-65-7	1,4-Diphenyl-1,3-butadiene	150	JN	JN		ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	001576-67-6	Phenanthrene, 3,6-dimethyl-	180	JN	JN		ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	002531-84-2	Phenanthrene, 2-methyl-	280	JN	JN		ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	003674-66-6	Phenanthrene, 2,5-dimethyl-	170	JN	JN		ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	006566-19-4	10,18-Bisnorabieta-5,7,9(10),11,13	380	JN	JN		ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	1000197-14-1	4b,8-Dimethyl-2-isopropylphenanthr	610	JN	JN		ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	1000293-16-6	18-Norabietane	1100	JN	JN		ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	1000376-10-3	3,5-Dichlorobenzyl alcohol, (3-cya	280	JN	JN		ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	107426-38-0	Naphtho[2,3-b]norbornadiene	210	JN	JN		ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	E966796	Total Alkanes	2400	N	N		ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	000243-17-4	11H-Benzo[b]fluorene	150	JN	JN		ug/kg	6100-SED13C
SLCS083		05/05/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	
SLCS083		05/05/2021	1.0	123-91-1	1,4-Dioxane	370			67	ug/kg	
SLCS083		05/05/2021	1.0	100-52-7	Benzaldehyde	1100			330	ug/kg	
SLCS083		05/05/2021	1.0	108-95-2	Phenol	1100			330	ug/kg	
SLCS083		05/05/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	1100			330	ug/kg	
SLCS083		05/05/2021	1.0	95-57-8	2-Chlorophenol	1200			170	ug/kg	
SLCS083		05/05/2021	1.0	95-48-7	2-Methylphenol	1100			330	ug/kg	
SLCS083		05/05/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	1100			330	ug/kg	
SLCS083		05/05/2021	1.0	98-86-2	Acetophenone	1100			330	ug/kg	
SLCS083		05/05/2021	1.0	106-44-5	4-Methylphenol	1100			330	ug/kg	
SLCS083		05/05/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	1100			170	ug/kg	
SLCS083		05/05/2021	1.0	67-72-1	Hexachloroethane	1100			170	ug/kg	
SLCS083		05/05/2021	1.0	98-95-3	Nitrobenzene	1300			170	ug/kg	
SLCS083		05/05/2021	1.0	78-59-1	Isophorone	1200			170	ug/kg	
SLCS083		05/05/2021	1.0	88-75-5	2-Nitrophenol	1200		J	170	ug/kg	
SLCS083		05/05/2021	1.0	105-67-9	2,4-Dimethylphenol	1100			170	ug/kg	
SLCS083		05/05/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	1200			170	ug/kg	
SLCS083		05/05/2021	1.0	120-83-2	2,4-Dichlorophenol	1200			170	ug/kg	
SLCS083		05/05/2021	1.0	91-20-3	Naphthalene	1100			170	ug/kg	
SLCS083		05/05/2021	1.0	106-47-8	4-Chloroaniline	1000			330	ug/kg	
SLCS083		05/05/2021	1.0	87-68-3	Hexachlorobutadiene	1100			170	ug/kg	
SLCS083		05/05/2021	1.0	105-60-2	Caprolactam	1200			330	ug/kg	
SLCS083		05/05/2021	1.0	59-50-7	4-Chloro-3-methylphenol	1200			170	ug/kg	
SLCS083		05/05/2021	1.0	90-12-0	1-Methylnaphthalene	1100			170	ug/kg	
SLCS083		05/05/2021	1.0	91-57-6	2-Methylnaphthalene	1100			170	ug/kg	
SLCS083		05/05/2021	1.0	77-47-4	Hexachlorocyclopentadiene	820			330	ug/kg	

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
SLCS083		05/05/2021	1.0	88-06-2	2,4,6-Trichlorophenol	1200			170	ug/kg	
SLCS083		05/05/2021	1.0	95-95-4	2,4,5-Trichlorophenol	1200			170	ug/kg	
SLCS083		05/05/2021	1.0	92-52-4	1,1-Biphenyl	1200			170	ug/kg	
SLCS083		05/05/2021	1.0	91-58-7	2-Chloronaphthalene	1200			170	ug/kg	
SLCS083		05/05/2021	1.0	88-74-4	2-Nitroaniline	1400		J	170	ug/kg	
SLCS083		05/05/2021	1.0	131-11-3	Dimethylphthalate	1200			170	ug/kg	
SLCS083		05/05/2021	1.0	606-20-2	2,6-Dinitrotoluene	1300		J	170	ug/kg	
SLCS083		05/05/2021	1.0	208-96-8	Acenaphthylene	1100			170	ug/kg	
SLCS083		05/05/2021	1.0	99-09-2	3-Nitroaniline	1100		J	330	ug/kg	
SLCS083		05/05/2021	1.0	83-32-9	Acenaphthene	1200			170	ug/kg	
SLCS083		05/05/2021	1.0	51-28-5	2,4-Dinitrophenol	1100			330	ug/kg	
SLCS083		05/05/2021	1.0	100-02-7	4-Nitrophenol	1600			330	ug/kg	
SLCS083		05/05/2021	1.0	132-64-9	Dibenzofuran	1200			170	ug/kg	
SLCS083		05/05/2021	1.0	121-14-2	2,4-Dinitrotoluene	1300		J	170	ug/kg	
SLCS083		05/05/2021	1.0	84-66-2	Diethylphthalate	1200			170	ug/kg	
SLCS083		05/05/2021	1.0	86-73-7	Fluorene	1200			170	ug/kg	
SLCS083		05/05/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	1100			170	ug/kg	
SLCS083		05/05/2021	1.0	100-01-6	4-Nitroaniline	1200			330	ug/kg	
SLCS083		05/05/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	1200			330	ug/kg	
SLCS083		05/05/2021	1.0	86-30-6	N-Nitrosodiphenylamine	1200			170	ug/kg	
SLCS083		05/05/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	1100			170	ug/kg	
SLCS083		05/05/2021	1.0	101-55-3	4-Bromophenyl-phenylether	1100			170	ug/kg	
SLCS083		05/05/2021	1.0	118-74-1	Hexachlorobenzene	1200			170	ug/kg	
SLCS083		05/05/2021	1.0	1912-24-9	Atrazine	1100			330	ug/kg	
SLCS083		05/05/2021	1.0	87-86-5	Pentachlorophenol	1200			330	ug/kg	
SLCS083		05/05/2021	1.0	85-01-8	Phenanthrene	1200			170	ug/kg	
SLCS083		05/05/2021	1.0	120-12-7	Anthracene	1200			170	ug/kg	
SLCS083		05/05/2021	1.0	86-74-8	Carbazole	1200			330	ug/kg	
SLCS083		05/05/2021	1.0	84-74-2	Di-n-butylphthalate	1200			170	ug/kg	
SLCS083		05/05/2021	1.0	206-44-0	Fluoranthene	1100			170	ug/kg	
SLCS083		05/05/2021	1.0	129-00-0	Pyrene	1100			170	ug/kg	
SLCS083		05/05/2021	1.0	85-68-7	Butylbenzylphthalate	1200		J	170	ug/kg	
SLCS083		05/05/2021	1.0	91-94-1	3,3-Dichlorobenzidine	1000			330	ug/kg	
SLCS083		05/05/2021	1.0	56-55-3	Benzo(a)anthracene	1200			170	ug/kg	
SLCS083		05/05/2021	1.0	218-01-9	Chrysene	1200			170	ug/kg	
SLCS083		05/05/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	1200			170	ug/kg	
SLCS083		05/05/2021	1.0	117-84-0	Di-n-octyl phthalate	1100			330	ug/kg	
SLCS083		05/05/2021	1.0	205-99-2	Benzo(b)fluoranthene	1200			170	ug/kg	
SLCS083		05/05/2021	1.0	207-08-9	Benzo(k)fluoranthene	1300			170	ug/kg	
SLCS083		05/05/2021	1.0	50-32-8	Benzo(a)pyrene	1300			170	ug/kg	
SLCS083		05/05/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	1300			170	ug/kg	
SLCS083		05/05/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	1300			170	ug/kg	
SLCS083		05/05/2021	1.0	191-24-2	Benzo(g,h,i)perylene	1300			170	ug/kg	
SLCS083		05/05/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	1200			170	ug/kg	
SLCS093		05/12/2021	1.0	E966796	Total Alkanes		N	N		ug/L	
SLCS093		05/12/2021	1.0	123-91-1	1,4-Dioxane	13			2.0	ug/L	
SLCS093		05/12/2021	1.0	100-52-7	Benzaldehyde	28			10	ug/L	
SLCS093		05/12/2021	1.0	108-95-2	Phenol	30			10	ug/L	
SLCS093		05/12/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	30			10	ug/L	
SLCS093		05/12/2021	1.0	95-57-8	2-Chlorophenol	32			5.0	ug/L	
SLCS093		05/12/2021	1.0	95-48-7	2-Methylphenol	30			10	ug/L	
SLCS093		05/12/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	35			10	ug/L	
SLCS093		05/12/2021	1.0	98-86-2	Acetophenone	29			10	ug/L	
SLCS093		05/12/2021	1.0	106-44-5	4-Methylphenol	30			10	ug/L	
SLCS093		05/12/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	33			5.0	ug/L	
SLCS093		05/12/2021	1.0	67-72-1	Hexachloroethane	32			5.0	ug/L	
SLCS093		05/12/2021	1.0	98-95-3	Nitrobenzene	35		J	5.0	ug/L	
SLCS093		05/12/2021	1.0	78-59-1	Isophorone	32			5.0	ug/L	
SLCS093		05/12/2021	1.0	88-75-5	2-Nitrophenol	35		J	5.0	ug/L	
SLCS093		05/12/2021	1.0	105-67-9	2,4-Dimethylphenol	30			5.0	ug/L	
SLCS093		05/12/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	32			5.0	ug/L	
SLCS093		05/12/2021	1.0	120-83-2	2,4-Dichlorophenol	32			5.0	ug/L	
SLCS093		05/12/2021	1.0	91-20-3	Naphthalene	30			5.0	ug/L	
SLCS093		05/12/2021	1.0	106-47-8	4-Chloroaniline	25			10	ug/L	
SLCS093		05/12/2021	1.0	87-68-3	Hexachlorobutadiene	31			5.0	ug/L	
SLCS093		05/12/2021	1.0	105-60-2	Caprolactam	30			10	ug/L	
SLCS093		05/12/2021	1.0	59-50-7	4-Chloro-3-methylphenol	33			5.0	ug/L	
SLCS093		05/12/2021	1.0	90-12-0	1-Methylnaphthalene	30			5.0	ug/L	
SLCS093		05/12/2021	1.0	91-57-6	2-Methylnaphthalene	30			5.0	ug/L	
SLCS093		05/12/2021	1.0	77-47-4	Hexachlorocyclopentadiene	29			10	ug/L	
SLCS093		05/12/2021	1.0	88-06-2	2,4,6-Trichlorophenol	34			5.0	ug/L	

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
SLCS093		05/12/2021	1.0	95-95-4	2,4,5-Trichlorophenol	34			5.0	ug/L	
SLCS093		05/12/2021	1.0	92-52-4	1,1-Biphenyl	32			5.0	ug/L	
SLCS093		05/12/2021	1.0	91-58-7	2-Chloronaphthalene	32			5.0	ug/L	
SLCS093		05/12/2021	1.0	88-74-4	2-Nitroaniline	41		J	5.0	ug/L	
SLCS093		05/12/2021	1.0	131-11-3	Dimethylphthalate	33			5.0	ug/L	
SLCS093		05/12/2021	1.0	606-20-2	2,6-Dinitrotoluene	37		J	5.0	ug/L	
SLCS093		05/12/2021	1.0	208-96-8	Acenaphthylene	31			5.0	ug/L	
SLCS093		05/12/2021	1.0	99-09-2	3-Nitroaniline	30			10	ug/L	
SLCS093		05/12/2021	1.0	83-32-9	Acenaphthene	32			5.0	ug/L	
SLCS093		05/12/2021	1.0	51-28-5	2,4-Dinitrophenol	28			10	ug/L	
SLCS093		05/12/2021	1.0	100-02-7	4-Nitrophenol	31			10	ug/L	
SLCS093		05/12/2021	1.0	132-64-9	Dibenzofuran	32			5.0	ug/L	
SLCS093		05/12/2021	1.0	121-14-2	2,4-Dinitrotoluene	36		J	5.0	ug/L	
SLCS093		05/12/2021	1.0	84-66-2	Diethylphthalate	33			5.0	ug/L	
SLCS093		05/12/2021	1.0	86-73-7	Fluorene	32			5.0	ug/L	
SLCS093		05/12/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	32			5.0	ug/L	
SLCS093		05/12/2021	1.0	100-01-6	4-Nitroaniline	30			10	ug/L	
SLCS093		05/12/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	34			10	ug/L	
SLCS093		05/12/2021	1.0	86-30-6	N-Nitrosodiphenylamine	35			5.0	ug/L	
SLCS093		05/12/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	32			5.0	ug/L	
SLCS093		05/12/2021	1.0	101-55-3	4-Bromophenyl-phenylether	35			5.0	ug/L	
SLCS093		05/12/2021	1.0	118-74-1	Hexachlorobenzene	35			5.0	ug/L	
SLCS093		05/12/2021	1.0	1912-24-9	Atrazine	32			10	ug/L	
SLCS093		05/12/2021	1.0	87-86-5	Pentachlorophenol	32			10	ug/L	
SLCS093		05/12/2021	1.0	85-01-8	Phenanthrene	34			5.0	ug/L	
SLCS093		05/12/2021	1.0	120-12-7	Anthracene	34			5.0	ug/L	
SLCS093		05/12/2021	1.0	86-74-8	Carbazole	31			10	ug/L	
SLCS093		05/12/2021	1.0	84-74-2	Di-n-butylphthalate	35			5.0	ug/L	
SLCS093		05/12/2021	1.0	206-44-0	Fluoranthene	40			5.0	ug/L	
SLCS093		05/12/2021	1.0	129-00-0	Pyrene	39			5.0	ug/L	
SLCS093		05/12/2021	1.0	85-68-7	Butylbenzylphthalate	48		J	5.0	ug/L	
SLCS093		05/12/2021	1.0	91-94-1	3,3-Dichlorobenzidine	28			10	ug/L	
SLCS093		05/12/2021	1.0	56-55-3	Benzo(a)anthracene	36			5.0	ug/L	
SLCS093		05/12/2021	1.0	218-01-9	Chrysene	35			5.0	ug/L	
SLCS093		05/12/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	42		J	5.0	ug/L	
SLCS093		05/12/2021	1.0	117-84-0	Di-n-octyl phthalate	39			10	ug/L	
SLCS093		05/12/2021	1.0	205-99-2	Benzo(b)fluoranthene	39			5.0	ug/L	
SLCS093		05/12/2021	1.0	207-08-9	Benzo(k)fluoranthene	35			5.0	ug/L	
SLCS093		05/12/2021	1.0	50-32-8	Benzo(a)pyrene	37			5.0	ug/L	
SLCS093		05/12/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	39			5.0	ug/L	
SLCS093		05/12/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	39			5.0	ug/L	
SLCS093		05/12/2021	1.0	191-24-2	Benzo(g,h,i)perylene	39			5.0	ug/L	
SLCS093		05/12/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	32			5.0	ug/L	
SBLK083		05/05/2021	1.0	123-91-1	1,4-Dioxane	67	U	U	67	ug/kg	
SBLK083		05/05/2021	1.0	100-52-7	Benzaldehyde	330	U	U	330	ug/kg	
SBLK083		05/05/2021	1.0	108-95-2	Phenol	330	U	U	330	ug/kg	
SBLK083		05/05/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	330	U	U	330	ug/kg	
SBLK083		05/05/2021	1.0	95-57-8	2-Chlorophenol	170	U	U	170	ug/kg	
SBLK083		05/05/2021	1.0	95-48-7	2-Methylphenol	330	U	U	330	ug/kg	
SBLK083		05/05/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	330	U	U	330	ug/kg	
SBLK083		05/05/2021	1.0	98-86-2	Acetophenone	330	U	U	330	ug/kg	
SBLK083		05/05/2021	1.0	106-44-5	4-Methylphenol	330	U	U	330	ug/kg	
SBLK083		05/05/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	170	U	U	170	ug/kg	
SBLK083		05/05/2021	1.0	67-72-1	Hexachloroethane	170	U	U	170	ug/kg	
SBLK083		05/05/2021	1.0	98-95-3	Nitrobenzene	170	U	U	170	ug/kg	
SBLK083		05/05/2021	1.0	78-59-1	Isophorone	170	U	U	170	ug/kg	
SBLK083		05/05/2021	1.0	88-75-5	2-Nitrophenol	170	U	U	170	ug/kg	
SBLK083		05/05/2021	1.0	105-67-9	2,4-Dimethylphenol	170	U	U	170	ug/kg	
SBLK083		05/05/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	170	U	U	170	ug/kg	
SBLK083		05/05/2021	1.0	120-83-2	2,4-Dichlorophenol	170	U	U	170	ug/kg	
SBLK083		05/05/2021	1.0	91-20-3	Naphthalene	170	U	U	170	ug/kg	
SBLK083		05/05/2021	1.0	106-47-8	4-Chloroaniline	330	U	U	330	ug/kg	
SBLK083		05/05/2021	1.0	87-68-3	Hexachlorobutadiene	170	U	U	170	ug/kg	
SBLK083		05/05/2021	1.0	105-60-2	Caprolactam	330	U	U	330	ug/kg	
SBLK083		05/05/2021	1.0	59-50-7	4-Chloro-3-methylphenol	170	U	U	170	ug/kg	
SBLK083		05/05/2021	1.0	90-12-0	1-Methylnaphthalene	170	U	U	170	ug/kg	
SBLK083		05/05/2021	1.0	91-57-6	2-Methylnaphthalene	170	U	U	170	ug/kg	
SBLK083		05/05/2021	1.0	77-47-4	Hexachlorocyclopentadiene	330	U	U	330	ug/kg	
SBLK083		05/05/2021	1.0	88-06-2	2,4,6-Trichlorophenol	170	U	U	170	ug/kg	
SBLK083		05/05/2021	1.0	95-95-4	2,4,5-Trichlorophenol	170	U	U	170	ug/kg	
SBLK083		05/05/2021	1.0	92-52-4	1,1-Biphenyl	170	U	U	170	ug/kg	

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
SBLK083		05/05/2021	1.0	91-58-7	2-Chloronaphthalene	170	U	U	170	ug/kg	
SBLK083		05/05/2021	1.0	88-74-4	2-Nitroaniline	170	U	U	170	ug/kg	
SBLK083		05/05/2021	1.0	131-11-3	Dimethylphthalate	170	U	U	170	ug/kg	
SBLK083		05/05/2021	1.0	606-20-2	2,6-Dinitrotoluene	170	U	U	170	ug/kg	
SBLK083		05/05/2021	1.0	208-96-8	Acenaphthylene	170	U	U	170	ug/kg	
SBLK083		05/05/2021	1.0	99-09-2	3-Nitroaniline	330	U	U	330	ug/kg	
SBLK083		05/05/2021	1.0	83-32-9	Acenaphthene	170	U	U	170	ug/kg	
SBLK083		05/05/2021	1.0	51-28-5	2,4-Dinitrophenol	330	U	U	330	ug/kg	
SBLK083		05/05/2021	1.0	100-02-7	4-Nitrophenol	330	U	U	330	ug/kg	
SBLK083		05/05/2021	1.0	132-64-9	Dibenzofuran	170	U	U	170	ug/kg	
SBLK083		05/05/2021	1.0	121-14-2	2,4-Dinitrotoluene	170	U	U	170	ug/kg	
SBLK083		05/05/2021	1.0	84-66-2	Diethylphthalate	170	U	U	170	ug/kg	
SBLK083		05/05/2021	1.0	86-73-7	Fluorene	170	U	U	170	ug/kg	
SBLK083		05/05/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	170	U	U	170	ug/kg	
SBLK083		05/05/2021	1.0	100-01-6	4-Nitroaniline	330	U	U	330	ug/kg	
SBLK083		05/05/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	330	U	U	330	ug/kg	
SBLK083		05/05/2021	1.0	86-30-6	N-Nitrosodiphenylamine	170	U	U	170	ug/kg	
SBLK083		05/05/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	170	U	U	170	ug/kg	
SBLK083		05/05/2021	1.0	101-55-3	4-Bromophenyl-phenylether	170	U	U	170	ug/kg	
SBLK083		05/05/2021	1.0	118-74-1	Hexachlorobenzene	170	U	U	170	ug/kg	
SBLK083		05/05/2021	1.0	1912-24-9	Atrazine	330	U	U	330	ug/kg	
SBLK083		05/05/2021	1.0	87-86-5	Pentachlorophenol	330	U	U	330	ug/kg	
SBLK083		05/05/2021	1.0	85-01-8	Phenanthrene	170	U	U	170	ug/kg	
SBLK083		05/05/2021	1.0	120-12-7	Anthracene	170	U	U	170	ug/kg	
SBLK083		05/05/2021	1.0	86-74-8	Carbazole	330	U	U	330	ug/kg	
SBLK083		05/05/2021	1.0	84-74-2	Di-n-butylphthalate	170	U	U	170	ug/kg	
SBLK083		05/05/2021	1.0	206-44-0	Fluoranthene	170	U	U	170	ug/kg	
SBLK083		05/05/2021	1.0	129-00-0	Pyrene	170	U	U	170	ug/kg	
SBLK083		05/05/2021	1.0	85-68-7	Butylbenzylphthalate	170	U	U	170	ug/kg	
SBLK083		05/05/2021	1.0	91-94-1	3,3-Dichlorobenzidine	330	U	U	330	ug/kg	
SBLK083		05/05/2021	1.0	56-55-3	Benzo(a)anthracene	170	U	U	170	ug/kg	
SBLK083		05/05/2021	1.0	218-01-9	Chrysene	170	U	U	170	ug/kg	
SBLK083		05/05/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	170	U	U	170	ug/kg	
SBLK083		05/05/2021	1.0	117-84-0	Di-n-octyl phthalate	330	U	U	330	ug/kg	
SBLK083		05/05/2021	1.0	205-99-2	Benzo(b)fluoranthene	170	U	U	170	ug/kg	
SBLK083		05/05/2021	1.0	207-08-9	Benzo(k)fluoranthene	170	U	U	170	ug/kg	
SBLK083		05/05/2021	1.0	50-32-8	Benzo(a)pyrene	170	U	U	170	ug/kg	
SBLK083		05/05/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	170	U	U	170	ug/kg	
SBLK083		05/05/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	170	U	U	170	ug/kg	
SBLK083		05/05/2021	1.0	191-24-2	Benzo(g,h,i)perylene	170	U	U	170	ug/kg	
SBLK083		05/05/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	170	U	U	170	ug/kg	
SBLK083		05/05/2021	1.0	E966796	Total Alkanes		N	N		ug/kg	
SBLK093		05/12/2021	1.0	123-91-1	1,4-Dioxane	2.0	U	U	2.0	ug/L	
SBLK093		05/12/2021	1.0	100-52-7	Benzaldehyde	10	U	U	10	ug/L	
SBLK093		05/12/2021	1.0	108-95-2	Phenol	10	U	U	10	ug/L	
SBLK093		05/12/2021	1.0	111-44-4	Bis(2-Chloroethyl)ether	10	U	U	10	ug/L	
SBLK093		05/12/2021	1.0	95-57-8	2-Chlorophenol	5.0	U	U	5.0	ug/L	
SBLK093		05/12/2021	1.0	95-48-7	2-Methylphenol	10	U	U	10	ug/L	
SBLK093		05/12/2021	1.0	108-60-1	2,2-oxybis(1-Chloropropane)	10	U	U	10	ug/L	
SBLK093		05/12/2021	1.0	98-86-2	Acetophenone	10	U	U	10	ug/L	
SBLK093		05/12/2021	1.0	106-44-5	4-Methylphenol	10	U	U	10	ug/L	
SBLK093		05/12/2021	1.0	621-64-7	N-Nitroso-di-n-propylamine	5.0	U	U	5.0	ug/L	
SBLK093		05/12/2021	1.0	67-72-1	Hexachloroethane	5.0	U	U	5.0	ug/L	
SBLK093		05/12/2021	1.0	98-95-3	Nitrobenzene	5.0	U	U	5.0	ug/L	
SBLK093		05/12/2021	1.0	78-59-1	Isophorone	5.0	U	U	5.0	ug/L	
SBLK093		05/12/2021	1.0	88-75-5	2-Nitrophenol	5.0	U	U	5.0	ug/L	
SBLK093		05/12/2021	1.0	105-67-9	2,4-Dimethylphenol	5.0	U	U	5.0	ug/L	
SBLK093		05/12/2021	1.0	111-91-1	Bis(2-Chloroethoxy)methane	5.0	U	U	5.0	ug/L	
SBLK093		05/12/2021	1.0	120-83-2	2,4-Dichlorophenol	5.0	U	U	5.0	ug/L	
SBLK093		05/12/2021	1.0	91-20-3	Naphthalene	5.0	U	U	5.0	ug/L	
SBLK093		05/12/2021	1.0	106-47-8	4-Chloroaniline	10	U	U	10	ug/L	
SBLK093		05/12/2021	1.0	87-68-3	Hexachlorobutadiene	5.0	U	U	5.0	ug/L	
SBLK093		05/12/2021	1.0	105-60-2	Caprolactam	10	U	U	10	ug/L	
SBLK093		05/12/2021	1.0	59-50-7	4-Chloro-3-methylphenol	5.0	U	U	5.0	ug/L	
SBLK093		05/12/2021	1.0	90-12-0	1-Methylnaphthalene	5.0	U	U	5.0	ug/L	
SBLK093		05/12/2021	1.0	91-57-6	2-Methylnaphthalene	5.0	U	U	5.0	ug/L	
SBLK093		05/12/2021	1.0	77-47-4	Hexachlorocyclopentadiene	10	U	U	10	ug/L	
SBLK093		05/12/2021	1.0	88-06-2	2,4,6-Trichlorophenol	5.0	U	U	5.0	ug/L	
SBLK093		05/12/2021	1.0	95-95-4	2,4,5-Trichlorophenol	5.0	U	U	5.0	ug/L	
SBLK093		05/12/2021	1.0	92-52-4	1,1-Biphenyl	5.0	U	U	5.0	ug/L	
SBLK093		05/12/2021	1.0	91-58-7	2-Chloronaphthalene	5.0	U	U	5.0	ug/L	

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
SBLK093		05/12/2021	1.0	88-74-4	2-Nitroaniline	5.0	U	U	5.0	ug/L	
SBLK093		05/12/2021	1.0	131-11-3	Dimethylphthalate	5.0	U	U	5.0	ug/L	
SBLK093		05/12/2021	1.0	606-20-2	2,6-Dinitrotoluene	5.0	U	U	5.0	ug/L	
SBLK093		05/12/2021	1.0	208-96-8	Acenaphthylene	5.0	U	U	5.0	ug/L	
SBLK093		05/12/2021	1.0	99-09-2	3-Nitroaniline	10	U	U	10	ug/L	
SBLK093		05/12/2021	1.0	83-32-9	Acenaphthene	5.0	U	U	5.0	ug/L	
SBLK093		05/12/2021	1.0	51-28-5	2,4-Dinitrophenol	10	U	U	10	ug/L	
SBLK093		05/12/2021	1.0	100-02-7	4-Nitrophenol	10	U	U	10	ug/L	
SBLK093		05/12/2021	1.0	132-64-9	Dibenzofuran	5.0	U	U	5.0	ug/L	
SBLK093		05/12/2021	1.0	121-14-2	2,4-Dinitrotoluene	5.0	U	U	5.0	ug/L	
SBLK093		05/12/2021	1.0	84-66-2	Diethylphthalate	5.0	U	U	5.0	ug/L	
SBLK093		05/12/2021	1.0	86-73-7	Fluorene	5.0	U	U	5.0	ug/L	
SBLK093		05/12/2021	1.0	7005-72-3	4-Chlorophenyl-phenylether	5.0	U	U	5.0	ug/L	
SBLK093		05/12/2021	1.0	100-01-6	4-Nitroaniline	10	U	U	10	ug/L	
SBLK093		05/12/2021	1.0	534-52-1	4,6-Dinitro-2-methylphenol	10	U	U	10	ug/L	
SBLK093		05/12/2021	1.0	86-30-6	N-Nitrosodiphenylamine	5.0	U	U	5.0	ug/L	
SBLK093		05/12/2021	1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U	U	5.0	ug/L	
SBLK093		05/12/2021	1.0	101-55-3	4-Bromophenyl-phenylether	5.0	U	U	5.0	ug/L	
SBLK093		05/12/2021	1.0	118-74-1	Hexachlorobenzene	5.0	U	U	5.0	ug/L	
SBLK093		05/12/2021	1.0	1912-24-9	Atrazine	10	U	U	10	ug/L	
SBLK093		05/12/2021	1.0	87-86-5	Pentachlorophenol	10	U	U	10	ug/L	
SBLK093		05/12/2021	1.0	85-01-8	Phenanthrene	5.0	U	U	5.0	ug/L	
SBLK093		05/12/2021	1.0	120-12-7	Anthracene	5.0	U	U	5.0	ug/L	
SBLK093		05/12/2021	1.0	86-74-8	Carbazole	10	U	U	10	ug/L	
SBLK093		05/12/2021	1.0	84-74-2	Di-n-butylphthalate	5.0	U	U	5.0	ug/L	
SBLK093		05/12/2021	1.0	206-44-0	Fluoranthene	5.0	U	U	5.0	ug/L	
SBLK093		05/12/2021	1.0	129-00-0	Pyrene	5.0	U	U	5.0	ug/L	
SBLK093		05/12/2021	1.0	85-68-7	Butylbenzylphthalate	5.0	U	U	5.0	ug/L	
SBLK093		05/12/2021	1.0	91-94-1	3,3-Dichlorobenzidine	10	U	U	10	ug/L	
SBLK093		05/12/2021	1.0	56-55-3	Benzo(a)anthracene	5.0	U	U	5.0	ug/L	
SBLK093		05/12/2021	1.0	218-01-9	Chrysene	5.0	U	U	5.0	ug/L	
SBLK093		05/12/2021	1.0	117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U	U	5.0	ug/L	
SBLK093		05/12/2021	1.0	117-84-0	Di-n-octyl phthalate	10	U	U	10	ug/L	
SBLK093		05/12/2021	1.0	205-99-2	Benzo(b)fluoranthene	5.0	U	U	5.0	ug/L	
SBLK093		05/12/2021	1.0	207-08-9	Benzo(k)fluoranthene	5.0	U	U	5.0	ug/L	
SBLK093		05/12/2021	1.0	50-32-8	Benzo(a)pyrene	5.0	U	U	5.0	ug/L	
SBLK093		05/12/2021	1.0	193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U	U	5.0	ug/L	
SBLK093		05/12/2021	1.0	53-70-3	Dibenzo(a,h)anthracene	5.0	U	U	5.0	ug/L	
SBLK093		05/12/2021	1.0	191-24-2	Benzo(g,h,i)perylene	5.0	U	U	5.0	ug/L	
SBLK093		05/12/2021	1.0	58-90-2	2,3,4,6-Tetrachlorophenol	5.0	U	U	5.0	ug/L	
SBLK093		05/12/2021	1.0	E966796	Total Alkanes	13	N	N		ug/L	
BG593	DI Water	04/27/2021	1.0	319-84-6	alpha-BHC	0.058	U	U	0.058	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	319-85-7	beta-BHC	0.058	U	U	0.058	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	319-86-8	delta-BHC	0.058	U	U	0.058	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	58-89-9	gamma-BHC (Lindane)	0.058	U	U	0.058	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	76-44-8	Heptachlor	0.058	U	U	0.058	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	309-00-2	Aldrin	0.058	U	U	0.058	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	1024-57-3	Heptachlor epoxide	0.058	U	U	0.058	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	959-98-8	Endosulfan I	0.058	U	U	0.058	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	60-57-1	Dieldrin	0.12	U	U	0.12	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	72-55-9	4,4'-DDE	0.12	U	U	0.12	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	72-20-8	Endrin	0.12	U	U	0.12	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	33213-65-9	Endosulfan II	0.12	U	U	0.12	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	72-54-8	4,4'-DDD	0.12	U	U	0.12	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	1031-07-8	Endosulfan Sulfate	0.12	U	U	0.12	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	50-29-3	4,4'-DDT	0.12	U	U	0.12	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	72-43-5	Methoxychlor	0.58	U	U	0.58	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	53494-70-5	Endrin ketone	0.12	U	U	0.12	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	7421-93-4	Endrin Aldehyde	0.12	U	U	0.12	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	5103-71-9	cis-Chlordane	0.058	U	U	0.058	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	5103-74-2	trans-Chlordane	0.058	U	U	0.058	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	8001-35-2	Toxaphene	5.8	U	U	5.8	ug/L	6100-RIN04
BG599	DI Water	04/27/2021	1.0	319-84-6	alpha-BHC	0.050	U	U	0.050	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	319-85-7	beta-BHC	0.050	U	U	0.050	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	319-86-8	delta-BHC	0.050	U	U	0.050	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	58-89-9	gamma-BHC (Lindane)	0.050	U	U	0.050	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	76-44-8	Heptachlor	0.050	U	U	0.050	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	309-00-2	Aldrin	0.050	U	U	0.050	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	1024-57-3	Heptachlor epoxide	0.050	U	U	0.050	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	959-98-8	Endosulfan I	0.050	U	U	0.050	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	60-57-1	Dieldrin	0.10	U	U	0.10	ug/L	6100-RIN05

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG599	DI Water	04/27/2021	1.0	72-55-9	4,4'-DDE	0.10	U	U	0.10	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	72-20-8	Endrin	0.10	U	U	0.10	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	33213-65-9	Endosulfan II	0.10	U	U	0.10	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	72-54-8	4,4'-DDD	0.10	U	U	0.10	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	1031-07-8	Endosulfan Sulfate	0.10	U	U	0.10	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	50-29-3	4,4'-DDT	0.10	U	U	0.10	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	72-43-5	Methoxychlor	0.50	U	U	0.50	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	53494-70-5	Endrin ketone	0.10	U	U	0.10	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	7421-93-4	Endrin Aldehyde	0.10	U	U	0.10	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	5103-71-9	cis-Chlordane	0.050	U	U	0.050	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	5103-74-2	trans-Chlordane	0.050	U	U	0.050	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	8001-35-2	Toxaphene	5.0	U	U	5.0	ug/L	6100-RIN05
BG595	Sediment	04/26/2021	1.0	319-84-6	alpha-BHC	3.7	U	U	3.7	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	319-85-7	beta-BHC	3.7	U	U	3.7	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	319-86-8	delta-BHC	3.7	U	U	3.7	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	58-89-9	gamma-BHC (Lindane)	3.7	U	U	3.7	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	76-44-8	Heptachlor	3.7	U	U	3.7	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	309-00-2	Aldrin	0.48	JP	J	3.7	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	1024-57-3	Heptachlor epoxide	0.63	JP	NJ	3.7	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	959-98-8	Endosulfan I	3.7	U	U	3.7	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	60-57-1	Dieldrin	7.1	U	U	7.1	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	72-55-9	4,4'-DDE	0.61	J	J	7.1	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	72-20-8	Endrin	7.1	U	U	7.1	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	33213-65-9	Endosulfan II	1.4	J	J	7.1	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	72-54-8	4,4'-DDD	1.7	JP	J	7.1	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	1031-07-8	Endosulfan Sulfate	1.5	JP	NJ	7.1	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	50-29-3	4,4'-DDT	7.1	U	U	7.1	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	72-43-5	Methoxychlor	37	U	U	37	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	53494-70-5	Endrin ketone	7.1	U	U	7.1	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	7421-93-4	Endrin Aldehyde	0.70	JP	J	7.1	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	5103-71-9	cis-Chlordane	3.7	U	U	3.7	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	5103-74-2	trans-Chlordane	0.75	JP	NJ	3.7	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	8001-35-2	Toxaphene	370	U	U	370	ug/kg	6100-SED13B
BG596	Sediment	04/26/2021	1.0	319-84-6	alpha-BHC	2.8	U	U	2.8	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	319-85-7	beta-BHC	0.61	JP	NJ	2.8	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	319-86-8	delta-BHC	0.38	JP	J	2.8	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	58-89-9	gamma-BHC (Lindane)	2.8	U	U	2.8	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	76-44-8	Heptachlor	2.8	U	U	2.8	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	309-00-2	Aldrin	0.39	J	J	2.8	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	1024-57-3	Heptachlor epoxide	2.8	U	U	2.8	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	959-98-8	Endosulfan I	2.8	U	U	2.8	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	60-57-1	Dieldrin	5.4	U	U	5.4	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	72-55-9	4,4'-DDE	5.4	U	U	5.4	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	72-20-8	Endrin	5.4	U	U	5.4	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	33213-65-9	Endosulfan II	5.4	U	U	5.4	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	72-54-8	4,4'-DDD	0.48	JP	NJ	5.4	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	1031-07-8	Endosulfan Sulfate	0.83	JP	J	5.4	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	50-29-3	4,4'-DDT	5.4	U	U	5.4	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	72-43-5	Methoxychlor	28	U	U	28	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	53494-70-5	Endrin ketone	5.4	U	U	5.4	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	7421-93-4	Endrin Aldehyde	5.4	U	U	5.4	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	5103-71-9	cis-Chlordane	2.8	U	U	2.8	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	5103-74-2	trans-Chlordane	2.5	J	J	2.8	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	8001-35-2	Toxaphene	280	U	U	280	ug/kg	6100-SED13C
PLCS072		05/10/2021	1.0	8001-35-2	Toxaphene	170	U	U	170	ug/kg	
PLCS072		05/10/2021	1.0	319-84-6	alpha-BHC	1.3	J	J	1.7	ug/kg	
PLCS072		05/10/2021	1.0	319-85-7	beta-BHC	1.4	J	J	1.7	ug/kg	
PLCS072		05/10/2021	1.0	319-86-8	delta-BHC	1.3	J	J	1.7	ug/kg	
PLCS072		05/10/2021	1.0	58-89-9	gamma-BHC (Lindane)	1.4	J	J	1.7	ug/kg	
PLCS072		05/10/2021	1.0	76-44-8	Heptachlor	1.3	J	J	1.7	ug/kg	
PLCS072		05/10/2021	1.0	309-00-2	Aldrin	1.3	J	J	1.7	ug/kg	
PLCS072		05/10/2021	1.0	1024-57-3	Heptachlor epoxide	1.4	J	J	1.7	ug/kg	
PLCS072		05/10/2021	1.0	959-98-8	Endosulfan I	1.4	J	J	1.7	ug/kg	
PLCS072		05/10/2021	1.0	60-57-1	Dieldrin	2.7	J	J	3.3	ug/kg	
PLCS072		05/10/2021	1.0	72-55-9	4,4'-DDE	2.6	J	J	3.3	ug/kg	
PLCS072		05/10/2021	1.0	72-20-8	Endrin	2.9	J	J	3.3	ug/kg	
PLCS072		05/10/2021	1.0	33213-65-9	Endosulfan II	2.9	J	J	3.3	ug/kg	
PLCS072		05/10/2021	1.0	72-54-8	4,4'-DDD	2.7	J	J	3.3	ug/kg	
PLCS072		05/10/2021	1.0	1031-07-8	Endosulfan Sulfate	2.9	J	J	3.3	ug/kg	
PLCS072		05/10/2021	1.0	50-29-3	4,4'-DDT	2.5	J	J	3.3	ug/kg	
PLCS072		05/10/2021	1.0	72-43-5	Methoxychlor	14	J	J	17	ug/kg	

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
PLCS072		05/10/2021	1.0	53494-70-5	Endrin ketone	3.0	J	J	3.3	ug/kg	
PLCS072		05/10/2021	1.0	7421-93-4	Endrin Aldehyde	3.0	J	J	3.3	ug/kg	
PLCS072		05/10/2021	1.0	5103-71-9	cis-Chlordane	1.4	J	J	1.7	ug/kg	
PLCS072		05/10/2021	1.0	5103-74-2	trans-Chlordane	1.3	J	J	1.7	ug/kg	
PLCS092		05/03/2021	1.0	8001-35-2	Toxaphene	5.0	U	U	5.0	ug/L	
PLCS092		05/03/2021	1.0	319-84-6	alpha-BHC	0.048	J	J	0.050	ug/L	
PLCS092		05/03/2021	1.0	319-85-7	beta-BHC	0.050			0.050	ug/L	
PLCS092		05/03/2021	1.0	319-86-8	delta-BHC	0.045	JP	JP	0.050	ug/L	
PLCS092		05/03/2021	1.0	58-89-9	gamma-BHC (Lindane)	0.046	JP	JP	0.050	ug/L	
PLCS092		05/03/2021	1.0	76-44-8	Heptachlor	0.047	J	J	0.050	ug/L	
PLCS092		05/03/2021	1.0	309-00-2	Aldrin	0.046	J	J	0.050	ug/L	
PLCS092		05/03/2021	1.0	1024-57-3	Heptachlor epoxide	0.047	JP	JP	0.050	ug/L	
PLCS092		05/03/2021	1.0	959-98-8	Endosulfan I	0.047	J	J	0.050	ug/L	
PLCS092		05/03/2021	1.0	60-57-1	Dieldrin	0.090	J	J	0.10	ug/L	
PLCS092		05/03/2021	1.0	72-55-9	4,4'-DDE	0.096	J	J	0.10	ug/L	
PLCS092		05/03/2021	1.0	72-20-8	Endrin	0.096	J	J	0.10	ug/L	
PLCS092		05/03/2021	1.0	33213-65-9	Endosulfan II	0.099	J	J	0.10	ug/L	
PLCS092		05/03/2021	1.0	72-54-8	4,4'-DDD	0.093	J	J	0.10	ug/L	
PLCS092		05/03/2021	1.0	1031-07-8	Endosulfan Sulfate	0.098	J	J	0.10	ug/L	
PLCS092		05/03/2021	1.0	50-29-3	4,4'-DDT	0.077	J	J	0.10	ug/L	
PLCS092		05/03/2021	1.0	72-43-5	Methoxychlor	0.43	J	J	0.50	ug/L	
PLCS092		05/03/2021	1.0	53494-70-5	Endrin ketone	0.10			0.10	ug/L	
PLCS092		05/03/2021	1.0	7421-93-4	Endrin Aldehyde	0.11			0.10	ug/L	
PLCS092		05/03/2021	1.0	5103-71-9	cis-Chlordane	0.047	J	J	0.050	ug/L	
PLCS092		05/03/2021	1.0	5103-74-2	trans-Chlordane	0.047	J	J	0.050	ug/L	
BG596MS	Sediment	04/26/2021	1.0	8001-35-2	Toxaphene	280	U	U	280	ug/kg	6100-SED13C
BG596MS	Sediment	04/26/2021	1.0	319-84-6	alpha-BHC	13	P*	J-	2.8	ug/kg	6100-SED13C
BG596MS	Sediment	04/26/2021	1.0	319-85-7	beta-BHC	17	*		2.8	ug/kg	6100-SED13C
BG596MS	Sediment	04/26/2021	1.0	319-86-8	delta-BHC	7.4	*		2.8	ug/kg	6100-SED13C
BG596MS	Sediment	04/26/2021	1.0	58-89-9	gamma-BHC (Lindane)	16			2.8	ug/kg	6100-SED13C
BG596MS	Sediment	04/26/2021	1.0	76-44-8	Heptachlor	14	P	J	2.8	ug/kg	6100-SED13C
BG596MS	Sediment	04/26/2021	1.0	309-00-2	Aldrin	14			2.8	ug/kg	6100-SED13C
BG596MS	Sediment	04/26/2021	1.0	1024-57-3	Heptachlor epoxide	12	P*	J	2.8	ug/kg	6100-SED13C
BG596MS	Sediment	04/26/2021	1.0	959-98-8	Endosulfan I	14	P*	J	2.8	ug/kg	6100-SED13C
BG596MS	Sediment	04/26/2021	1.0	60-57-1	Dieldrin	27	P	J	5.4	ug/kg	6100-SED13C
BG596MS	Sediment	04/26/2021	1.0	72-55-9	4,4'-DDE	22	P*	J	5.4	ug/kg	6100-SED13C
BG596MS	Sediment	04/26/2021	1.0	72-20-8	Endrin	28	P	J	5.4	ug/kg	6100-SED13C
BG596MS	Sediment	04/26/2021	1.0	33213-65-9	Endosulfan II	27	P*	J	5.4	ug/kg	6100-SED13C
BG596MS	Sediment	04/26/2021	1.0	72-54-8	4,4'-DDD	28	*		5.4	ug/kg	6100-SED13C
BG596MS	Sediment	04/26/2021	1.0	1031-07-8	Endosulfan Sulfate	22	P*	J	5.4	ug/kg	6100-SED13C
BG596MS	Sediment	04/26/2021	1.0	50-29-3	4,4'-DDT	26	P	J	5.4	ug/kg	6100-SED13C
BG596MS	Sediment	04/26/2021	1.0	72-43-5	Methoxychlor	150	*		28	ug/kg	6100-SED13C
BG596MS	Sediment	04/26/2021	1.0	53494-70-5	Endrin ketone	28	*		5.4	ug/kg	6100-SED13C
BG596MS	Sediment	04/26/2021	1.0	7421-93-4	Endrin Aldehyde	26	*		5.4	ug/kg	6100-SED13C
BG596MS	Sediment	04/26/2021	1.0	5103-71-9	cis-Chlordane	14	*		2.8	ug/kg	6100-SED13C
BG596MS	Sediment	04/26/2021	1.0	5103-74-2	trans-Chlordane	17	*		2.8	ug/kg	6100-SED13C
BG596MSD	Sediment	04/26/2021	1.0	8001-35-2	Toxaphene	280	U	U	280	ug/kg	6100-SED13C
BG596MSD	Sediment	04/26/2021	1.0	319-84-6	alpha-BHC	13	P*	J-	2.8	ug/kg	6100-SED13C
BG596MSD	Sediment	04/26/2021	1.0	319-85-7	beta-BHC	17	*		2.8	ug/kg	6100-SED13C
BG596MSD	Sediment	04/26/2021	1.0	319-86-8	delta-BHC	7.3	*		2.8	ug/kg	6100-SED13C
BG596MSD	Sediment	04/26/2021	1.0	58-89-9	gamma-BHC (Lindane)	16			2.8	ug/kg	6100-SED13C
BG596MSD	Sediment	04/26/2021	1.0	76-44-8	Heptachlor	14	P	J	2.8	ug/kg	6100-SED13C
BG596MSD	Sediment	04/26/2021	1.0	309-00-2	Aldrin	14			2.8	ug/kg	6100-SED13C
BG596MSD	Sediment	04/26/2021	1.0	1024-57-3	Heptachlor epoxide	12	P*	J	2.8	ug/kg	6100-SED13C
BG596MSD	Sediment	04/26/2021	1.0	959-98-8	Endosulfan I	14	P*	J	2.8	ug/kg	6100-SED13C
BG596MSD	Sediment	04/26/2021	1.0	60-57-1	Dieldrin	26	P	J	5.4	ug/kg	6100-SED13C
BG596MSD	Sediment	04/26/2021	1.0	72-55-9	4,4'-DDE	22	P*	J	5.4	ug/kg	6100-SED13C
BG596MSD	Sediment	04/26/2021	1.0	72-20-8	Endrin	29			5.4	ug/kg	6100-SED13C
BG596MSD	Sediment	04/26/2021	1.0	33213-65-9	Endosulfan II	27	P*	J	5.4	ug/kg	6100-SED13C
BG596MSD	Sediment	04/26/2021	1.0	72-54-8	4,4'-DDD	27	*		5.4	ug/kg	6100-SED13C
BG596MSD	Sediment	04/26/2021	1.0	1031-07-8	Endosulfan Sulfate	22	P*	J	5.4	ug/kg	6100-SED13C
BG596MSD	Sediment	04/26/2021	1.0	50-29-3	4,4'-DDT	26	P	J	5.4	ug/kg	6100-SED13C
BG596MSD	Sediment	04/26/2021	1.0	72-43-5	Methoxychlor	150	*		28	ug/kg	6100-SED13C
BG596MSD	Sediment	04/26/2021	1.0	53494-70-5	Endrin ketone	27	*		5.4	ug/kg	6100-SED13C
BG596MSD	Sediment	04/26/2021	1.0	7421-93-4	Endrin Aldehyde	26	*		5.4	ug/kg	6100-SED13C
BG596MSD	Sediment	04/26/2021	1.0	5103-71-9	cis-Chlordane	14	*		2.8	ug/kg	6100-SED13C
BG596MSD	Sediment	04/26/2021	1.0	5103-74-2	trans-Chlordane	16	*		2.8	ug/kg	6100-SED13C
PBLK072		04/30/2021	1.0	319-84-6	alpha-BHC	1.7	U	U	1.7	ug/kg	
PBLK072		04/30/2021	1.0	319-85-7	beta-BHC	1.7	U	U	1.7	ug/kg	
PBLK072		04/30/2021	1.0	319-86-8	delta-BHC	1.7	U	U	1.7	ug/kg	
PBLK072		04/30/2021	1.0	58-89-9	gamma-BHC (Lindane)	1.7	U	U	1.7	ug/kg	

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
PBLK072		04/30/2021	1.0	76-44-8	Heptachlor	1.7	U	U	1.7	ug/kg	
PBLK072		04/30/2021	1.0	309-00-2	Aldrin	1.7	U	U	1.7	ug/kg	
PBLK072		04/30/2021	1.0	1024-57-3	Heptachlor epoxide	1.7	U	U	1.7	ug/kg	
PBLK072		04/30/2021	1.0	959-98-8	Endosulfan I	1.7	U	U	1.7	ug/kg	
PBLK072		04/30/2021	1.0	60-57-1	Dieldrin	3.3	U	U	3.3	ug/kg	
PBLK072		04/30/2021	1.0	72-55-9	4,4'-DDE	3.3	U	U	3.3	ug/kg	
PBLK072		04/30/2021	1.0	72-20-8	Endrin	3.3	U	U	3.3	ug/kg	
PBLK072		04/30/2021	1.0	33213-65-9	Endosulfan II	3.3	U	U	3.3	ug/kg	
PBLK072		04/30/2021	1.0	72-54-8	4,4'-DDD	3.3	U	U	3.3	ug/kg	
PBLK072		04/30/2021	1.0	1031-07-8	Endosulfan Sulfate	3.3	U	U	3.3	ug/kg	
PBLK072		04/30/2021	1.0	50-29-3	4,4'-DDT	3.3	U	U	3.3	ug/kg	
PBLK072		04/30/2021	1.0	72-43-5	Methoxychlor	17	U	U	17	ug/kg	
PBLK072		04/30/2021	1.0	53494-70-5	Endrin ketone	3.3	U	U	3.3	ug/kg	
PBLK072		04/30/2021	1.0	7421-93-4	Endrin Aldehyde	3.3	U	U	3.3	ug/kg	
PBLK072		04/30/2021	1.0	5103-71-9	cis-Chlordane	1.7	U	U	1.7	ug/kg	
PBLK072		04/30/2021	1.0	5103-74-2	trans-Chlordane	1.7	U	U	1.7	ug/kg	
PBLK072		04/30/2021	1.0	8001-35-2	Toxaphene	170	U	U	170	ug/kg	
PBLK092		04/30/2021	1.0	319-84-6	alpha-BHC	0.050	U	U	0.050	ug/L	
PBLK092		04/30/2021	1.0	319-85-7	beta-BHC	0.050	U	U	0.050	ug/L	
PBLK092		04/30/2021	1.0	319-86-8	delta-BHC	0.050	U	U	0.050	ug/L	
PBLK092		04/30/2021	1.0	58-89-9	gamma-BHC (Lindane)	0.050	U	U	0.050	ug/L	
PBLK092		04/30/2021	1.0	76-44-8	Heptachlor	0.050	U	U	0.050	ug/L	
PBLK092		04/30/2021	1.0	309-00-2	Aldrin	0.050	U	U	0.050	ug/L	
PBLK092		04/30/2021	1.0	1024-57-3	Heptachlor epoxide	0.050	U	U	0.050	ug/L	
PBLK092		04/30/2021	1.0	959-98-8	Endosulfan I	0.050	U	U	0.050	ug/L	
PBLK092		04/30/2021	1.0	60-57-1	Dieldrin	0.10	U	U	0.10	ug/L	
PBLK092		04/30/2021	1.0	72-55-9	4,4'-DDE	0.10	U	U	0.10	ug/L	
PBLK092		04/30/2021	1.0	72-20-8	Endrin	0.10	U	U	0.10	ug/L	
PBLK092		04/30/2021	1.0	33213-65-9	Endosulfan II	0.10	U	U	0.10	ug/L	
PBLK092		04/30/2021	1.0	72-54-8	4,4'-DDD	0.10	U	U	0.10	ug/L	
PBLK092		04/30/2021	1.0	1031-07-8	Endosulfan Sulfate	0.10	U	U	0.10	ug/L	
PBLK092		04/30/2021	1.0	50-29-3	4,4'-DDT	0.10	U	U	0.10	ug/L	
PBLK092		04/30/2021	1.0	72-43-5	Methoxychlor	0.50	U	U	0.50	ug/L	
PBLK092		04/30/2021	1.0	53494-70-5	Endrin ketone	0.10	U	U	0.10	ug/L	
PBLK092		04/30/2021	1.0	7421-93-4	Endrin Aldehyde	0.10	U	U	0.10	ug/L	
PBLK092		04/30/2021	1.0	5103-71-9	cis-Chlordane	0.050	U	U	0.050	ug/L	
PBLK092		04/30/2021	1.0	5103-74-2	trans-Chlordane	0.050	U	U	0.050	ug/L	
PBLK092		04/30/2021	1.0	8001-35-2	Toxaphene	5.0	U	U	5.0	ug/L	
BG593	DI Water	04/27/2021	1.0	12674-11-2	Aroclor-1016	1.2	U	U	1.2	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	11104-28-2	Aroclor-1221	1.2	U	U	1.2	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	11141-16-5	Aroclor-1232	1.2	U	U	1.2	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	53469-21-9	Aroclor-1242	1.2	U	U	1.2	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	12672-29-6	Aroclor-1248	1.2	U	U	1.2	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	11097-69-1	Aroclor-1254	1.2	U	U	1.2	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	11096-82-5	Aroclor-1260	1.2	U	U	1.2	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	37324-23-5	Aroclor-1262	1.2	U	U	1.2	ug/L	6100-RIN04
BG593	DI Water	04/27/2021	1.0	11100-14-4	Aroclor-1268	1.2	U	U	1.2	ug/L	6100-RIN04
BG599	DI Water	04/27/2021	1.0	12674-11-2	Aroclor-1016	1.0	U	U	1.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	11104-28-2	Aroclor-1221	1.0	U	U	1.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	11141-16-5	Aroclor-1232	1.0	U	U	1.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	53469-21-9	Aroclor-1242	1.0	U	U	1.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	12672-29-6	Aroclor-1248	1.0	U	U	1.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	11097-69-1	Aroclor-1254	1.0	U	U	1.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	11096-82-5	Aroclor-1260	1.0	U	U	1.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	37324-23-5	Aroclor-1262	1.0	U	U	1.0	ug/L	6100-RIN05
BG599	DI Water	04/27/2021	1.0	11100-14-4	Aroclor-1268	1.0	U	U	1.0	ug/L	6100-RIN05
BG595	Sediment	04/26/2021	1.0	12674-11-2	Aroclor-1016	71	U	U	71	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	11104-28-2	Aroclor-1221	71	U	U	71	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	11141-16-5	Aroclor-1232	71	U	U	71	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	53469-21-9	Aroclor-1242	71	U	U	71	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	12672-29-6	Aroclor-1248	71	U	U	71	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	11097-69-1	Aroclor-1254	71	U	U	71	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	11096-82-5	Aroclor-1260	71	U	U	71	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	37324-23-5	Aroclor-1262	71	U	U	71	ug/kg	6100-SED13B
BG595	Sediment	04/26/2021	1.0	11100-14-4	Aroclor-1268	71	U	U	71	ug/kg	6100-SED13B
BG596	Sediment	04/26/2021	1.0	12674-11-2	Aroclor-1016	54	U	U	54	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	11104-28-2	Aroclor-1221	54	U	U	54	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	11141-16-5	Aroclor-1232	54	U	U	54	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	53469-21-9	Aroclor-1242	54	U	U	54	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	12672-29-6	Aroclor-1248	54	U	U	54	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	11097-69-1	Aroclor-1254	54	U	U	54	ug/kg	6100-SED13C

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG596	Sediment	04/26/2021	1.0	11096-82-5	Aroclor-1260	54	U	U	54	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	37324-23-5	Aroclor-1262	54	U	U	54	ug/kg	6100-SED13C
BG596	Sediment	04/26/2021	1.0	11100-14-4	Aroclor-1268	54	U	U	54	ug/kg	6100-SED13C
ALCS073		04/30/2021	1.0	11104-28-2	Aroclor-1221	33	U	U	33	ug/kg	
ALCS073		04/30/2021	1.0	11141-16-5	Aroclor-1232	33	U	U	33	ug/kg	
ALCS073		04/30/2021	1.0	53469-21-9	Aroclor-1242	33	U	U	33	ug/kg	
ALCS073		04/30/2021	1.0	12672-29-6	Aroclor-1248	33	U	U	33	ug/kg	
ALCS073		04/30/2021	1.0	11097-69-1	Aroclor-1254	33	U	U	33	ug/kg	
ALCS073		04/30/2021	1.0	37324-23-5	Aroclor-1262	33	U	U	33	ug/kg	
ALCS073		04/30/2021	1.0	11100-14-4	Aroclor-1268	33	U	U	33	ug/kg	
ALCS073		04/30/2021	1.0	12674-11-2	Aroclor-1016	36			33	ug/kg	
ALCS073		04/30/2021	1.0	11096-82-5	Aroclor-1260	35			33	ug/kg	
ALCS091		04/30/2021	1.0	11104-28-2	Aroclor-1221	1.0	U	U	1.0	ug/L	
ALCS091		04/30/2021	1.0	11141-16-5	Aroclor-1232	1.0	U	U	1.0	ug/L	
ALCS091		04/30/2021	1.0	53469-21-9	Aroclor-1242	1.0	U	U	1.0	ug/L	
ALCS091		04/30/2021	1.0	12672-29-6	Aroclor-1248	1.0	U	U	1.0	ug/L	
ALCS091		04/30/2021	1.0	11097-69-1	Aroclor-1254	1.0	U	U	1.0	ug/L	
ALCS091		04/30/2021	1.0	37324-23-5	Aroclor-1262	1.0	U	U	1.0	ug/L	
ALCS091		04/30/2021	1.0	11100-14-4	Aroclor-1268	1.0	U	U	1.0	ug/L	
ALCS091		04/30/2021	1.0	12674-11-2	Aroclor-1016	0.96	J	J	1.0	ug/L	
ALCS091		04/30/2021	1.0	11096-82-5	Aroclor-1260	0.91	J	J	1.0	ug/L	
BG596MS	Sediment	04/26/2021	1.0	11104-28-2	Aroclor-1221	54	U	U	54	ug/kg	6100-SED13C
BG596MS	Sediment	04/26/2021	1.0	11141-16-5	Aroclor-1232	54	U	U	54	ug/kg	6100-SED13C
BG596MS	Sediment	04/26/2021	1.0	53469-21-9	Aroclor-1242	54	U	U	54	ug/kg	6100-SED13C
BG596MS	Sediment	04/26/2021	1.0	12672-29-6	Aroclor-1248	54	U	U	54	ug/kg	6100-SED13C
BG596MS	Sediment	04/26/2021	1.0	11097-69-1	Aroclor-1254	54	U	U	54	ug/kg	6100-SED13C
BG596MS	Sediment	04/26/2021	1.0	37324-23-5	Aroclor-1262	54	U	U	54	ug/kg	6100-SED13C
BG596MS	Sediment	04/26/2021	1.0	11100-14-4	Aroclor-1268	54	U	U	54	ug/kg	6100-SED13C
BG596MS	Sediment	04/26/2021	1.0	12674-11-2	Aroclor-1016	160			54	ug/kg	6100-SED13C
BG596MS	Sediment	04/26/2021	1.0	11096-82-5	Aroclor-1260	150			54	ug/kg	6100-SED13C
BG596MSD	Sediment	04/26/2021	1.0	11104-28-2	Aroclor-1221	54	U	U	54	ug/kg	6100-SED13C
BG596MSD	Sediment	04/26/2021	1.0	11141-16-5	Aroclor-1232	54	U	U	54	ug/kg	6100-SED13C
BG596MSD	Sediment	04/26/2021	1.0	53469-21-9	Aroclor-1242	54	U	U	54	ug/kg	6100-SED13C
BG596MSD	Sediment	04/26/2021	1.0	12672-29-6	Aroclor-1248	54	U	U	54	ug/kg	6100-SED13C
BG596MSD	Sediment	04/26/2021	1.0	11097-69-1	Aroclor-1254	54	U	U	54	ug/kg	6100-SED13C
BG596MSD	Sediment	04/26/2021	1.0	37324-23-5	Aroclor-1262	54	U	U	54	ug/kg	6100-SED13C
BG596MSD	Sediment	04/26/2021	1.0	11100-14-4	Aroclor-1268	54	U	U	54	ug/kg	6100-SED13C
BG596MSD	Sediment	04/26/2021	1.0	12674-11-2	Aroclor-1016	170			54	ug/kg	6100-SED13C
BG596MSD	Sediment	04/26/2021	1.0	11096-82-5	Aroclor-1260	160			54	ug/kg	6100-SED13C
ABLK073		04/30/2021	1.0	12674-11-2	Aroclor-1016	33	U	U	33	ug/kg	
ABLK073		04/30/2021	1.0	11104-28-2	Aroclor-1221	33	U	U	33	ug/kg	
ABLK073		04/30/2021	1.0	11141-16-5	Aroclor-1232	33	U	U	33	ug/kg	
ABLK073		04/30/2021	1.0	53469-21-9	Aroclor-1242	33	U	U	33	ug/kg	
ABLK073		04/30/2021	1.0	12672-29-6	Aroclor-1248	33	U	U	33	ug/kg	
ABLK073		04/30/2021	1.0	11097-69-1	Aroclor-1254	33	U	U	33	ug/kg	
ABLK073		04/30/2021	1.0	11096-82-5	Aroclor-1260	33	U	U	33	ug/kg	
ABLK073		04/30/2021	1.0	37324-23-5	Aroclor-1262	33	U	U	33	ug/kg	
ABLK073		04/30/2021	1.0	11100-14-4	Aroclor-1268	33	U	U	33	ug/kg	
ABLK091		04/30/2021	1.0	12674-11-2	Aroclor-1016	1.0	U	U	1.0	ug/L	
ABLK091		04/30/2021	1.0	11104-28-2	Aroclor-1221	1.0	U	U	1.0	ug/L	
ABLK091		04/30/2021	1.0	11141-16-5	Aroclor-1232	1.0	U	U	1.0	ug/L	
ABLK091		04/30/2021	1.0	53469-21-9	Aroclor-1242	1.0	U	U	1.0	ug/L	
ABLK091		04/30/2021	1.0	12672-29-6	Aroclor-1248	1.0	U	U	1.0	ug/L	
ABLK091		04/30/2021	1.0	11097-69-1	Aroclor-1254	1.0	U	U	1.0	ug/L	
ABLK091		04/30/2021	1.0	11096-82-5	Aroclor-1260	1.0	U	U	1.0	ug/L	
ABLK091		04/30/2021	1.0	37324-23-5	Aroclor-1262	1.0	U	U	1.0	ug/L	
ABLK091		04/30/2021	1.0	11100-14-4	Aroclor-1268	1.0	U	U	1.0	ug/L	

EXECUTIVE NARRATIVE

Case No.: 49391
Site: Coney Island Creek
Number of Samples: 16 (Sediment)
Analysis: Metals (ICP-AES), Hg and CN

SDG No.: BG4Z8
Laboratory: Bonner Analytical Testing Company
Sampling dates: 04/15/2021 – 04/19/2021
Validation SOP: HW-3a and -3c (Rev 1)

QAPP
Contractor: Weston Solutions
Reference: DCN SAT-V.6102.0022, April 1, 2021

SUMMARY OF DEFINITIONS:

Critical: Results have an unacceptable level of uncertainty and should not be used for making decisions. Data have been qualified "R" rejected.
Major: A level of uncertainty exists that may not meet the data quality objectives for the project. A bias is likely to be present in the results. Data has been qualified "J" estimated. "J+" and "J-" represent likely direction of the bias.
Minor: The level of uncertainty is acceptable. No significant bias in the data was observed.

Critical Findings:
CN: Sample BG4Z8 has an analyte that has been qualified R due to cooler temperature above criteria limit.

Major Findings:
The following samples have analytes that have been qualified J, J+ or J-.
Metals (ICP-AES): BG4Z8, BG558, BG564, BG565, BG566, BG569, BG570, BG571, BG572
Hg: All samples.
CN: BG564, BG565, BG566, BG569, BG570, BG571, BG572

Minor Findings:
"-M" is appended to all deliverable files of this SDG only to flag that the data are Inorganic.
One or more analytes in one or more samples are qualified "J" due to results between MDL and CRQL.

COMMENT:	Per request in ARF, summary reports were created using RSL-Industrial soil. **Metals:** One or more detected analyte results exceeded the project action levels in one or more samples.

Reviewer Name(s): Israel Okwuonu

Approver's Signature: **Date: 06/07/2021**

Name: **Narendra Kumar**

Affiliation: USEPA/R2/HWSB/HWSS

Data Qualifier Definitions (National Functional Guidelines)			
Qualifier Symbol	**Explanation**		
	INORGANICS	**ORGANICS**	**CHLORINATED DIOXIN/FURAN**
U	The analyte was analyzed for, but was not detected above the level of the reported quantitation limit.	The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted Contract Required Quantitation Limit (CRQL) for sample and method	The analyte was analyzed for but not detected. The value preceding the "U" may represent the adjusted Contract Required Quantitation Limit (see DLM02.X, Exhibit D, Section 1.2 and Table 2), or the sample specific estimated detection limit (EDL, see Method 8290A, Section 11.9.5).
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to an issue with the quality of the data generated because certain QC criteria were not met, or the concentration of the analyte was below the adjusted CRQL).
J+	The result is an estimated quantity, but the result may be biased high.	The result is an estimated quantity, but the result may be biased high.	
J–	The result is an estimated quantity, but the result may be biased low.	The result is an estimated quantity, but the result may be biased low.	
UJ	The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.	The analyte was not detected at a level greater than or equal to the adjusted CRQL. However, the reported adjusted CRQL is approximate and may be inaccurate or imprecise.	The analyte was not detected (see definition of "U" flag, above). The reported value should be considered approximate.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
N		The analysis indicates the presence of an analyte for which there is presumptive evidence to make a “tentative identification”.	
NJ		The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	
C		This qualifier applies to pesticide and Aroclor results when the identification has been confirmed by Gas Chromatograph/Mass Spectrometer (GC/MS).	
X		This qualifier applies to pesticide and Aroclor results when GC/MS analysis was attempted but was unsuccessful.	

DATA ASSESSMENT

ANALYSIS: METALS ICP-AES

The current SOP HW-3a (Rev 1) September 2016, USEPA Region II for the evaluation of ICP-AES metals data, and all related Change Request Forms (CRF) for this SOP, generated through Statement of Work SFAM01.1, and any future editorial revisions of SFAM01.1 has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi- Automated Screening Results Report.

1. HOLDING TIME AND PRESERVATION

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time or pH (aqueous samples are not within the acceptable range, the data may not be valid. Those analytes detected in the samples whose holding time (180 days) or pH (≤2) have not been met, will be qualified as estimated, "J"; the non-detects will be flagged as unusable, "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. CALIBRATION

Method requirements for satisfactory instrument calibration are established to ensure that the instrument is capable of producing acceptable quantitative data for the metals on the Inorganic Target Analyte List (TAL). Initial Calibration Verification (ICV) demonstrates that the instrument is capable of acceptable performance at the beginning of the analytical run. Continuing Calibration Verification (CCV) demonstrates that the initial calibration is still valid by checking the performance of the instrument on a continuing basis.

A) INITIAL CALIBRATION

A blank and at least five calibration standards shall be used to establish each analytical curve. At least one of these standards shall be at or below the CRQL. The calibration curve shall be fitted using linear regression or weighted linear regression. The curve may be forced through zero. The curve must have a correlation coefficient ≥ 0.995. The percent differences calculated for all of the non-zero standards must be within ±30% of the true value of the standard. The y-intercept of the curve must be less than the CRQL. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) INITIAL AND CONTINUING CALIBRATION VERIFICATION

Immediately after each system has been calibrated, the accuracy of the initial calibration must be verified and documented for each target analyte by the analysis of an ICV solution(s).
The CCV standard shall be analyzed at a frequency of every two hours during an analytical run. The CCV standard shall also be analyzed at the beginning of the run, and again after the last analytical sample. The percent recovery acceptable limits for ICV/CCV are 90 – 110%. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

3. BLANK CONTAMINATION

Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Calibration blanks (ICB and CCB) are used to ensure a stable instrument baseline before and during the analysis of analytical samples. The preparation blank is used to assess the level of contamination introduced to the analytical samples throughout the sample preparation process. Field and rinse blanks measure cross-contamination of samples during field operations. Qualifications were applied to the samples and analytes as shown below.

The following samples have analyte results less than CRQLs. The associated CCB analyte results are less than CRQLs. Detects are qualified as U. Sample results are reported at CRQLs.

Barium BG558, BG559, BG560, BG563

The following samples have analyte results less than CRQLs. The associated PB analyte results are less than CRQLs. Detects are qualified as U. Sample results are reported at CRQLs.

Calcium BG558, BG559

4. **INTERFERENCE CHECK SAMPLE**

The Interference Check Sample (ICS) verifies the analytical instrument's ability to overcome interferences typical of those found in samples. The laboratory should have analyzed and reported ICS results for all elements being reported from the analytical run and for all interferents (target and non-target) for these reported elements. The ICS consists of two solutions: Solution A and Solution AB. Solution A consists of the interferents, and Solution AB consists of the analytes mixed with the interferents. Results for the analysis of ICS Solution must fall within the control limits of ± 20% or ±CRQL (whichever is greater) of the true value for the analytes and interferents included in the solution. If results that are ≥ MDL are observed for analytes that are not present in the ICS solution, the possibility of false positives exists. If negative results are observed for analytes that are not present in the ICS solution, and their absolute value is ≥ MDL, the possibility of false negatives in the samples exists. In general, ICP sample data can be accepted if the concentrations of Al, Ca, Fe, and Mg in the sample are found to be less than or equal to their respective concentrations in the ICS. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

5. SPIKE SAMPLE ANALYSIS

The spiked sample analysis is designed to provide information about the effect of each sample matrix on the sample preparation procedures and the measurement methodology. The spike Percent Recovery (%R) shall be within the established acceptance limits of 75 – 125%. However, spike recovery limits do not apply when the sample concentration is ≥ 4x the spike added. For a matrix spike analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the matrix spike sample.

The following sample is associated with Matrix Spike sample that has spike analyte %R greater than 125% and Post-digestion spike analyte %R less than or equal to 125%. Detects are qualified as J. Non-detects are not qualified.

Lead BG558

6. DUPLICATE SAMPLE ANALYSIS

The objective of duplicate sample analysis is to demonstrate acceptable method precision by the laboratory at the time of analysis. A control limit of 35% for the Relative Percent Difference (RPD) shall be used for original and duplicate sample values ≥ five times (5x) the Contract Required Quantitation Limit (CRQL). A control limit of the CRQL shall be used if either the sample or duplicate value is < 5x the CRQL. For a duplicate sample analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the duplicate sample.

No problems were found for this criterion.

7. FIELD DUPLICATE

Field duplicates may be taken and analyzed as an indication of overall precision. These analyses measure both field and laboratory precision. A control limit of 50% for the Relative Percent Difference (RPD) shall be used for original and duplicate sample values ≥ five times (5x) the Contract Required Quantitation Limit (CRQL). A control limit of 2x the CRQL shall be used if either the sample or duplicate value is < 5x the CRQL. For field duplicates analysis that does not meet the technical criteria, the action was applied to only the field sample and it's duplicate.

No field duplicate samples were identified in this SDG.

8. LABORATORY CONTROL SAMPLE

The Laboratory Control Sample (LCS) serves as a monitor of the overall performance of each step during the analysis, including the sample preparation. Aqueous/water, soil/sediment, wipe, and filter LCSs shall be analyzed for each analyte utilizing the same sample preparations, analytical methods, and Quality Assurance/Quality Control (QA/QC) procedures as employed for the samples. All LCS Percent Recoveries (%R) must fall within the control limits of 70-130%, except for Sb and Ag which must fall within the control limits of 50-150%. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

9. ICP SERIAL DILUTION

The serial dilution of samples quantitated by Inductively Coupled Plasma determines whether or not significant physical or chemical interferences exist due to sample matrix. If the analyte concentration is sufficiently high [concentration in the original sample is > 50 times (50x) the Method Detection Limit (MDL)], the Percent Difference (%D) between the original determination and the serial dilution analysis (a five-fold dilution) after correction for dilution shall be less than 15. For a serial dilution analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the serial dilution sample.

No problems were found for this criterion.

10. PERCENT SOLIDS

The laboratory is required to perform the percent solids determination prior to sample preparation and analysis. All results of a sample with percent solids less than 50% are qualified estimated, "J". Qualifications were applied to the samples and analytes as shown below.

The following samples have percent solids less than 50%. Detects are qualified J. Non-detects are qualified UJ.
BG4Z8, BG564, BG565, BG566, BG569, BG570, BG571, BG572

ANALYSIS: MERCURY

The current SOP HW-3c (Rev 1) September 2016, USEPA Region II for the evaluation of Mercury data, and all related Change Request Forms (CRF) for this SOP, generated through Statement of Work SFAM01.1, and any future editorial revisions of SFAM01.1 has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report.

1. HOLDING TIME AND PRESERVATION

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time, pH (aqueous samples), or cooler temperature are not within the acceptable range, the data may not be valid. Those analytes detected in the samples whose holding time (28 days) and pH (≤2) have not been met, will be qualified as estimated, "J"; the non-detects (sample quantitation limits) will be flagged as unusable, "R". Qualifications were applied to the samples and analytes as shown below.

The following soil sample was received at the laboratory at a temperature > 10°C (14°C). Detects are qualified as estimated J-. Non-detects are qualified as unusable R.

BG4Z8

2. CALIBRATION

Method requirements for satisfactory instrument calibration are established to ensure that the instrument is capable of producing acceptable quantitative data for mercury. Initial Calibration Verification (ICV) demonstrates that the instrument is capable of acceptable performance at the beginning of the analytical run. Continuing Calibration Verification (CCV) demonstrates that the initial calibration is still valid by checking the performance of the instrument on a continuing basis.

A) INITIAL CALIBRATION

A blank and at least five calibration standards shall be employed to establish the analytical curve. At least one of the calibration standards shall be at or below the Contract Required Quantitation Limit (CRQL). The calibration curve shall be fitted using linear regression or weighted linear regression. The curve may be forced through zero. The calibration curves for mercury shall possess a correlation coefficient of ≥ 0.995 to ensure the linearity over the calibrated range. The percent differences calculated for all of the non-zero standards must fall within ±30% of the true value of the standard. The y-intercept of the curve must be less than the CRQL. All sample results shall be reported from an analysis within the calibrated range. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) INITIAL AND CONTINUING CALIBRATION VERIFICATION

Immediately after each system has been calibrated, the accuracy of the initial calibration must be verified and documented for mercury by the analysis of an ICV solution(s). The CCV standard shall be analyzed at a frequency of every hour during an analytical run. The CCV standard shall also be analyzed at the beginning of the run, and again after the last analytical sample. The percent recovery acceptable limits for ICV/CCV are 85 – 115%. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

3. BLANK CONTAMINATION

Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure cross-contamination of samples during field operations. Qualifications were applied to the samples and analytes as shown below.

The following samples are associated with ICB that has analyte results less than or equal to (-MDLs) but greater than (-CRQLs). Detects are qualified as estimated J-.
Non-detects are qualified as estimated UJ.

Mercury BG4Z8, BG558, BG559, BG560, BG561, BG562, BG563, BG564, BG565, BG566, BG567, BG568, BG569, BG570, BG571, BG572

The following samples are associated with CCB that has analyte results less than or equal to (-MDLs) but greater than (-CRQLs). Detects are qualified as estimated J-. Non-detects are qualified as estimated UJ.

Mercury BG4Z8, BG558, BG559, BG560, BG563, BG566, BG567, BG569, BG572

The following samples are associated with preparation blank (PB) that has analyte results less than or equal to (-MDL) but greater than (-CRQL). Detects are qualified as estimated J-.
Non-detects are qualified as estimated UJ.

Mercury BG4Z8, BG558, BG559, BG560, BG561, BG562, BG563, BG564, BG565, BG566, BG567, BG568, BG569, BG570, BG571, BG572

4. SPIKE SAMPLE ANALYSIS

The spiked sample analysis is designed to provide information about the effect of each sample matrix on the sample preparation procedures and the measurement methodology. The spike Percent Recovery (%R) shall be within the established acceptance limits of 75 – 125%. However, spike recovery limits do not apply when the sample concentration is ≥ 4x the spike added. For a matrix spike analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the matrix spike sample.

No problems were found for this criterion.

5. DUPLICATE SAMPLE ANALYSIS

The objective of duplicate sample analysis is to demonstrate acceptable method precision by the laboratory at the time of analysis. A control limit of 35% for the Relative Percent Difference (RPD) shall be used for original and duplicate sample values ≥ five times (5x) the Contract Required

Quantitation Limit (CRQL). A control limit of the CRQL shall be used if either the sample or duplicate value is < 5x the CRQL. For a duplicate sample analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the duplicate sample.

No problems were found for this criterion.

6. FIELD DUPLICATE

Field duplicates may be taken and analyzed as an indication of overall precision. These analyses measure both field and laboratory precision. A control limit of 20% for the Relative Percent Difference (RPD) shall be used for original and duplicate sample values ≥ five times (5x) the Contract Required Quantitation Limit (CRQL). A control limit of the CRQL shall be used if either the sample or duplicate value is < 5x the CRQL. For field duplicates analysis that does not meet the technical criteria, the action was applied to only the field sample and it's duplicate.

No field duplicate samples were identified in this SDG.

7. PERCENT SOLIDS

The laboratory is required to perform the percent solids determination prior to sample preparation and analysis. Qualifications were applied to the samples and analytes as shown below.

The following samples have percent solids less than 50%. Detects are qualified J. Non-detects are qualified UJ.
BG4Z8, BG564, BG565, BG566, BG569, BG570, BG571, BG572

ANALYSIS: CYANIDE

The current SOP HW-3c (Rev 1) September 2016, USEPA Region II for the evaluation of Cyanide data, and all related Change Request Forms (CRF) for this SOP, generated through Statement of Work SFAM01.1, and any future editorial revisions of SFAM01.1 has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report.

1. HOLDING TIME AND PRESERVATION

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time, pH (aqueous samples), or cooler temperature are not within the acceptable range, the data may not be valid. Those analytes detected in the samples whose holding time (14 days) and pH (≥12) have not been met, will be qualified as estimated, "J"; the non-detects (sample quantitation limits) will be flagged as unusable, "R". Qualifications were applied to the samples and analytes as shown below.

The following soil sample was received at the laboratory at a temperature > 10°C. Detects are qualified as estimated J-. Non-detects are qualified as unusable R.

BG4Z8

2. CALIBRATION

Method requirements for satisfactory instrument calibration are established to ensure that the instrument is capable of producing acceptable quantitative data for cyanide. Initial Calibration Verification (ICV) demonstrates that the instrument is capable of acceptable performance at the beginning of the analytical run. Continuing Calibration Verification (CCV) demonstrates that the initial calibration is still valid by checking the performance of the instrument on a continuing basis.

A) INITIAL CALIBRATION

A blank and at least five calibration standards shall be employed to establish the analytical curve. At least one of the calibration standards shall be at or below the Contract Required Quantitation Limit (CRQL). The calibration curve shall be fitted using linear regression or weighted linear regression. The curve may be forced through zero. The calibration curve for cyanide shall possess a correlation coefficient of ≥ 0.995 to ensure the linearity over the calibrated range. The percent differences calculated for all of the non-zero standards must be within ±30% of the true value of the standard. The y-intercept of the curve must be less than the CRQL. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) INITIAL AND CONTINUING CALIBRATION VERIFICATION

Immediately after each system has been calibrated, the accuracy of the initial calibration must be verified and documented for cyanide by the analysis of an ICV solution(s).
The CCV standard shall be analyzed at a frequency of every hour during an analytical run. The CCV standard shall also be analyzed at the beginning of the run, and again after the last analytical sample. The percent recovery acceptable limits for ICV/CCV are 85 – 115%. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

3. BLANK CONTAMINATION

Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure cross-contamination of samples during field operations. Qualifications were applied to the samples and analytes as shown below.

The following samples have analyte results less than CRQLs. The associated CCB analyte results are less than CRQLs. Detects are qualified as U. Sample results are reported at CRQLs.

Cyanide BG560, BG562, BG563, BG564

The following samples have analyte results less than CRQLs. The associated ICB analyte results are less than CRQLs. Detects are qualified as U. Sample results are reported at CRQLs.

Cyanide BG560, BG562, BG563, BG564

4. SPIKE SAMPLE ANALYSIS

The spiked sample analysis is designed to provide information about the effect of each sample matrix on the sample preparation procedures and the measurement methodology. The spike Percent

Recovery (%R) shall be within the established acceptance limits of 75 – 125%. However, spike recovery limits do not apply when the sample concentration is ≥ 4x the spike added. For a matrix spike analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the matrix spike sample.

No problems were found for this criterion.

5. DUPLICATE SAMPLE ANALYSIS

The objective of duplicate sample analysis is to demonstrate acceptable method precision by the laboratory at the time of analysis. A control limit of 20% for the Relative Percent Difference (RPD) shall be used for original and duplicate sample values ≥ five times (5x) the Contract Required Quantitation Limit (CRQL). A control limit of the CRQL shall be used if either the sample or duplicate value is < 5x the CRQL. For a duplicate sample analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the duplicate sample.

No problems were found for this criterion.

6. FIELD DUPLICATE

Field duplicates may be taken and analyzed as an indication of overall precision. These analyses measure both field and laboratory precision. A control limit of 20% for the Relative Percent Difference (RPD) shall be used for original and duplicate sample values ≥ five times (5x) the Contract Required Quantitation Limit (CRQL). A control limit of the CRQL shall be used if either the sample or duplicate value is < 5x the CRQL. For field duplicates analysis that does not meet the technical criteria, the action was applied to only the field sample and it's duplicate.

No field duplicate samples were identified in this SDG.

7. PERCENT SOLIDS

The laboratory is required to perform the percent solids determination prior to sample preparation and analysis. Qualifications were applied to the samples and analytes as shown below.

The following samples have percent solids less than 50%. Detects are qualified J. Non-detects are qualified UJ.
BG564, BG565, BG566, BG569, BG570, BG571, BG572

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG4Z8** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED21A

Sample Number: BG4Z8	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: SED21/SW21	pH:	Sample Date: 04/15/2021	Sample Time: 11:20:00
% Moisture:		% Solids: 35	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	1.4	R	mg/kg	1.4	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG4Z8** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED21A

Sample Number: BG4Z8	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SED21/SW21	pH:	Sample Date: 04/15/2021	Sample Time: 11:20:00
% Moisture:		% Solids: 35	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.40	J-	mg/kg	0.40		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG4Z8** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED21A

Sample Number: BG4Z8	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SED21/SW21	pH:	Sample Date: 04/15/2021	Sample Time: 11:20:00
% Moisture:		% Solids: 35	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	9100	J	mg/kg	9100		1	YES	S3VEM
Antimony	Target	2.8	J	mg/kg	2.8	J	1	YES	S3VEM
Arsenic	Target	20	J	mg/kg	20		1	YES	S3VEM
Barium	Target	110	J	mg/kg	110		1	YES	S3VEM
Beryllium	Target	0.40	J	mg/kg	0.40	J	1	YES	S3VEM
Cadmium	Target	1.8	J	mg/kg	1.8		1	YES	S3VEM
Calcium	Target	14000	J	mg/kg	14000		1	YES	S3VEM
Chromium	Target	64	J	mg/kg	64		1	YES	S3VEM
Cobalt	Target	7.8	J	mg/kg	7.8	J	1	YES	S3VEM
Copper	Target	190	J	mg/kg	190		1	YES	S3VEM
Iron	Target	34000	J	mg/kg	34000		1	YES	S3VEM
Lead	Target	710	J	mg/kg	710	*	1	YES	S3VEM
Magnesium	Target	9900	J	mg/kg	9900		1	YES	S3VEM
Manganese	Target	160	J	mg/kg	160		1	YES	S3VEM
Nickel	Target	33	J	mg/kg	33		1	YES	S3VEM
Potassium	Target	2300	J	mg/kg	2300		1	YES	S3VEM
Selenium	Target	9.5	UJ	mg/kg	9.5	U	1	YES	S3VEM
Silver	Target	2.0	J	mg/kg	2.0	J	1	YES	S3VEM
Sodium	Target	12000	J	mg/kg	12000		1	YES	S3VEM
Thallium	Target	6.8	UJ	mg/kg	6.8	U	1	YES	S3VEM
Vanadium	Target	42	J	mg/kg	42		1	YES	S3VEM
Zinc	Target	700	J	mg/kg	700		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG4Z8** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED01A

Sample Number: BG558	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: SED01/SW01	pH:	Sample Date: 04/19/2021	Sample Time: 08:45:00
% Moisture:		% Solids: 83	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	0.60	U	mg/kg	0.60	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG4Z8** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED01A

Sample Number: BG558	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SED01/SW01	pH:	Sample Date: 04/19/2021	Sample Time: 08:45:00
% Moisture:		% Solids: 83	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.12	UJ	mg/kg	0.12	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG4Z8** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED01A

Sample Number: BG558	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SED01/SW01	pH:	Sample Date: 04/19/2021	Sample Time: 08:45:00
% Moisture:		% Solids: 83	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	1100		mg/kg	1100		1	YES	S3VEM
Antimony	Target	7.3	U	mg/kg	7.3	U	1	YES	S3VEM
Arsenic	Target	0.77	J	mg/kg	0.77	J	1	YES	S3VEM
Barium	Target	24	U	mg/kg	3.1	J	1	YES	S3VEM
Beryllium	Target	0.058	J	mg/kg	0.058	J	1	YES	S3VEM
Cadmium	Target	0.60	U	mg/kg	0.60	U	1	YES	S3VEM
Calcium	Target	600	U	mg/kg	590	J	1	YES	S3VEM
Chromium	Target	3.3		mg/kg	3.3		1	YES	S3VEM
Cobalt	Target	1.2	J	mg/kg	1.2	J	1	YES	S3VEM
Copper	Target	1.6	J	mg/kg	1.6	J	1	YES	S3VEM
Iron	Target	2500		mg/kg	2500		1	YES	S3VEM
Lead	Target	4.1	J	mg/kg	4.1	*	1	YES	S3VEM
Magnesium	Target	730		mg/kg	730		1	YES	S3VEM
Manganese	Target	22		mg/kg	22		1	YES	S3VEM
Nickel	Target	3.6	J	mg/kg	3.6	J	1	YES	S3VEM
Potassium	Target	310	J	mg/kg	310	J	1	YES	S3VEM
Selenium	Target	4.2	U	mg/kg	4.2	U	1	YES	S3VEM
Silver	Target	1.2	U	mg/kg	1.2	U	1	YES	S3VEM
Sodium	Target	1600		mg/kg	1600		1	YES	S3VEM
Thallium	Target	3.0	U	mg/kg	3.0	U	1	YES	S3VEM
Vanadium	Target	3.2	J	mg/kg	3.2	J	1	YES	S3VEM
Zinc	Target	11		mg/kg	11		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG4Z8** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: BG558A	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 04/19/2021	Sample Time: 08:45:00
% Moisture:		% Solids: 83	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Lead	Spike	11		mg/kg	11		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG4Z8** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: BG558D	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 04/19/2021	Sample Time: 08:45:00
% Moisture:		% Solids: 83	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	0.60	U	mg/kg	0.60	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG4Z8** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: BG558D	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 04/19/2021	Sample Time: 08:45:00
% Moisture:		% Solids: 83	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.12	UJ	mg/kg	0.12	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG4Z8** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: BG558D	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 04/19/2021	Sample Time: 08:45:00
% Moisture:		% Solids: 83	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	1000		mg/kg	1000		1	YES	S3VEM
Antimony	Target	7.3	U	mg/kg	7.3	U	1	YES	S3VEM
Arsenic	Target	0.75	J	mg/kg	0.75	J	1	YES	S3VEM
Barium	Target	24	U	mg/kg	2.9	J	1	YES	S3VEM
Beryllium	Target	0.058	J	mg/kg	0.058	J	1	YES	S3VEM
Cadmium	Target	0.60	U	mg/kg	0.60	U	1	YES	S3VEM
Calcium	Target	600	U	mg/kg	300	J	1	YES	S3VEM
Chromium	Target	3.4		mg/kg	3.4		1	YES	S3VEM
Cobalt	Target	1.2	J	mg/kg	1.2	J	1	YES	S3VEM
Copper	Target	1.4	J	mg/kg	1.4	J	1	YES	S3VEM
Iron	Target	2200		mg/kg	2200		1	YES	S3VEM
Lead	Target	3.4		mg/kg	3.4		1	YES	S3VEM
Magnesium	Target	850		mg/kg	850		1	YES	S3VEM
Manganese	Target	20		mg/kg	20		1	YES	S3VEM
Nickel	Target	6.3		mg/kg	6.3		1	YES	S3VEM
Potassium	Target	290	J	mg/kg	290	J	1	YES	S3VEM
Selenium	Target	4.2	U	mg/kg	4.2	U	1	YES	S3VEM
Silver	Target	1.2	U	mg/kg	1.2	U	1	YES	S3VEM
Sodium	Target	1800		mg/kg	1800		1	YES	S3VEM
Thallium	Target	3.0	U	mg/kg	3.0	U	1	YES	S3VEM
Vanadium	Target	2.8	J	mg/kg	2.8	J	1	YES	S3VEM
Zinc	Target	9.3		mg/kg	9.3		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG4Z8** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: BG558L	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 83	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	1100		mg/kg	1100		5	YES	S3VEM
Antimony	Target	36	U	mg/kg	36	U	5	YES	S3VEM
Arsenic	Target	6.0	U	mg/kg	6.0	U	5	YES	S3VEM
Barium	Target	120	U	mg/kg	2.9	J	5	YES	S3VEM
Beryllium	Target	3.0	U	mg/kg	3.0	U	5	YES	S3VEM
Cadmium	Target	3.0	U	mg/kg	3.0	U	5	YES	S3VEM
Calcium	Target	3000	U	mg/kg	580	J	5	YES	S3VEM
Chromium	Target	3.2	J	mg/kg	3.2	J	5	YES	S3VEM
Cobalt	Target	1.2	J	mg/kg	1.2	J	5	YES	S3VEM
Copper	Target	15	U	mg/kg	15	U	5	YES	S3VEM
Iron	Target	2500		mg/kg	2500		5	YES	S3VEM
Lead	Target	4.2	J	mg/kg	4.2	J	5	YES	S3VEM
Magnesium	Target	730	J	mg/kg	730	J	5	YES	S3VEM
Manganese	Target	22		mg/kg	22		5	YES	S3VEM
Nickel	Target	3.3	J	mg/kg	3.3	J	5	YES	S3VEM
Potassium	Target	280	J	mg/kg	280	J	5	YES	S3VEM
Selenium	Target	21	U	mg/kg	21	U	5	YES	S3VEM
Silver	Target	6.0	U	mg/kg	6.0	U	5	YES	S3VEM
Sodium	Target	1500	J	mg/kg	1500	J	5	YES	S3VEM
Thallium	Target	15	U	mg/kg	15	U	5	YES	S3VEM
Vanadium	Target	3.2	J	mg/kg	3.2	J	5	YES	S3VEM
Zinc	Target	9.3	J	mg/kg	9.3	J	5	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG4Z8** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: BG558S	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 04/19/2021	Sample Time: 08:45:00
% Moisture:		% Solids: 83	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Spike	4.9		mg/kg	4.9		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG4Z8** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: BG558S	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 04/19/2021	Sample Time: 08:45:00
% Moisture:		% Solids: 83	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Spike	0.68	J-	mg/kg	0.68		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG4Z8** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: BG558S	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 04/19/2021	Sample Time: 08:45:00
% Moisture:		% Solids: 83	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Spike	18		mg/kg	18		1	YES	S3VEM
Arsenic	Spike	8.9		mg/kg	8.9		1	YES	S3VEM
Barium	Spike	470		mg/kg	470		1	YES	S3VEM
Beryllium	Spike	11		mg/kg	11		1	YES	S3VEM
Cadmium	Spike	11		mg/kg	11		1	YES	S3VEM
Chromium	Spike	52		mg/kg	52		1	YES	S3VEM
Cobalt	Spike	120		mg/kg	120		1	YES	S3VEM
Copper	Spike	56		mg/kg	56		1	YES	S3VEM
Lead	Spike	11		mg/kg	11	*	1	YES	S3VEM
Manganese	Spike	140		mg/kg	140		1	YES	S3VEM
Nickel	Spike	120		mg/kg	120		1	YES	S3VEM
Selenium	Spike	20		mg/kg	20		1	YES	S3VEM
Silver	Spike	11		mg/kg	11		1	YES	S3VEM
Thallium	Spike	11		mg/kg	11		1	YES	S3VEM
Vanadium	Spike	120		mg/kg	120		1	YES	S3VEM
Zinc	Spike	130		mg/kg	130		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG4Z8** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED01B

Sample Number: BG559	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: SED01/SW01	pH:	Sample Date: 04/19/2021	Sample Time: 09:05:00
% Moisture:		% Solids: 82	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	0.61	U	mg/kg	0.61	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG4Z8** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED01B

Sample Number: BG559	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SED01/SW01	pH:	Sample Date: 04/19/2021	Sample Time: 09:05:00
% Moisture:		% Solids: 82	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.11	UJ	mg/kg	0.11	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG4Z8** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED01B

Sample Number: BG559	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SED01/SW01	pH:	Sample Date: 04/19/2021	Sample Time: 09:05:00
% Moisture:		% Solids: 82	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	1100		mg/kg	1100		1	YES	S3VEM
Antimony	Target	7.0	U	mg/kg	7.0	U	1	YES	S3VEM
Arsenic	Target	0.98	J	mg/kg	0.98	J	1	YES	S3VEM
Barium	Target	23	U	mg/kg	2.6	J	1	YES	S3VEM
Beryllium	Target	0.055	J	mg/kg	0.055	J	1	YES	S3VEM
Cadmium	Target	0.58	U	mg/kg	0.58	U	1	YES	S3VEM
Calcium	Target	580	U	mg/kg	250	J	1	YES	S3VEM
Chromium	Target	3.0		mg/kg	3.0		1	YES	S3VEM
Cobalt	Target	1.2	J	mg/kg	1.2	J	1	YES	S3VEM
Copper	Target	1.3	J	mg/kg	1.3	J	1	YES	S3VEM
Iron	Target	2100		mg/kg	2100		1	YES	S3VEM
Lead	Target	2.2		mg/kg	2.2	*	1	YES	S3VEM
Magnesium	Target	700		mg/kg	700		1	YES	S3VEM
Manganese	Target	20		mg/kg	20		1	YES	S3VEM
Nickel	Target	3.2	J	mg/kg	3.2	J	1	YES	S3VEM
Potassium	Target	310	J	mg/kg	310	J	1	YES	S3VEM
Selenium	Target	4.1	U	mg/kg	4.1	U	1	YES	S3VEM
Silver	Target	1.2	U	mg/kg	1.2	U	1	YES	S3VEM
Sodium	Target	1800		mg/kg	1800		1	YES	S3VEM
Thallium	Target	2.9	U	mg/kg	2.9	U	1	YES	S3VEM
Vanadium	Target	2.8	J	mg/kg	2.8	J	1	YES	S3VEM
Zinc	Target	7.1		mg/kg	7.1		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG4Z8** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED01C

Sample Number: BG560	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: SED01/SW01	pH:	Sample Date: 04/19/2021	Sample Time: 09:15:00
% Moisture:		% Solids: 82	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	0.59	U	mg/kg	0.46	J	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG4Z8** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED01C

Sample Number: BG560	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SED01/SW01	pH:	Sample Date: 04/19/2021	Sample Time: 09:15:00
% Moisture:		% Solids: 82	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.12	UJ	mg/kg	0.12	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG4Z8** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED01C

Sample Number: BG560	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SED01/SW01	pH:	Sample Date: 04/19/2021	Sample Time: 09:15:00
% Moisture:		% Solids: 82	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	1100		mg/kg	1100		1	YES	S3VEM
Antimony	Target	7.2	U	mg/kg	7.2	U	1	YES	S3VEM
Arsenic	Target	1.1	J	mg/kg	1.1	J	1	YES	S3VEM
Barium	Target	24	U	mg/kg	3.2	J	1	YES	S3VEM
Beryllium	Target	0.059	J	mg/kg	0.059	J	1	YES	S3VEM
Cadmium	Target	0.60	U	mg/kg	0.60	U	1	YES	S3VEM
Calcium	Target	680		mg/kg	680		1	YES	S3VEM
Chromium	Target	3.5		mg/kg	3.5		1	YES	S3VEM
Cobalt	Target	1.0	J	mg/kg	1.0	J	1	YES	S3VEM
Copper	Target	1.7	J	mg/kg	1.7	J	1	YES	S3VEM
Iron	Target	2400		mg/kg	2400		1	YES	S3VEM
Lead	Target	3.2		mg/kg	3.2	*	1	YES	S3VEM
Magnesium	Target	730		mg/kg	730		1	YES	S3VEM
Manganese	Target	24		mg/kg	24		1	YES	S3VEM
Nickel	Target	3.3	J	mg/kg	3.3	J	1	YES	S3VEM
Potassium	Target	330	J	mg/kg	330	J	1	YES	S3VEM
Selenium	Target	4.2	U	mg/kg	4.2	U	1	YES	S3VEM
Silver	Target	1.2	U	mg/kg	1.2	U	1	YES	S3VEM
Sodium	Target	1600		mg/kg	1600		1	YES	S3VEM
Thallium	Target	3.0	U	mg/kg	3.0	U	1	YES	S3VEM
Vanadium	Target	3.2	J	mg/kg	3.2	J	1	YES	S3VEM
Zinc	Target	10		mg/kg	10		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG4Z8** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED02A

Sample Number: BG561	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: SED02	pH:	Sample Date: 04/19/2021	Sample Time: 09:40:00
% Moisture:		% Solids: 51	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	0.92	U	mg/kg	0.92	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG4Z8** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED02A

Sample Number: BG561	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SED02	pH:	Sample Date: 04/19/2021	Sample Time: 09:40:00
% Moisture:		% Solids: 51	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	4.0	J-	mg/kg	4.0	D	3	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG4Z8** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED02A

Sample Number: BG561	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SED02	pH:	Sample Date: 04/19/2021	Sample Time: 09:40:00
% Moisture:		% Solids: 51	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	17000		mg/kg	17000		1	YES	S3VEM
Antimony	Target	12	U	mg/kg	12	U	1	YES	S3VEM
Arsenic	Target	25		mg/kg	25		1	YES	S3VEM
Barium	Target	220		mg/kg	220		1	YES	S3VEM
Beryllium	Target	0.88	J	mg/kg	0.88	J	1	YES	S3VEM
Cadmium	Target	4.2		mg/kg	4.2		1	YES	S3VEM
Calcium	Target	8000		mg/kg	8000		1	YES	S3VEM
Chromium	Target	130		mg/kg	130		1	YES	S3VEM
Cobalt	Target	11		mg/kg	11		1	YES	S3VEM
Copper	Target	550		mg/kg	550		1	YES	S3VEM
Iron	Target	32000		mg/kg	32000		1	YES	S3VEM
Lead	Target	370		mg/kg	370	*	1	YES	S3VEM
Magnesium	Target	7100		mg/kg	7100		1	YES	S3VEM
Manganese	Target	330		mg/kg	330		1	YES	S3VEM
Nickel	Target	45		mg/kg	45		1	YES	S3VEM
Potassium	Target	3800		mg/kg	3800		1	YES	S3VEM
Selenium	Target	1.3	J	mg/kg	1.3	J	1	YES	S3VEM
Silver	Target	5.7		mg/kg	5.7		1	YES	S3VEM
Sodium	Target	6900		mg/kg	6900		1	YES	S3VEM
Thallium	Target	4.9	U	mg/kg	4.9	U	1	YES	S3VEM
Vanadium	Target	50		mg/kg	50		1	YES	S3VEM
Zinc	Target	540		mg/kg	540		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG4Z8** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED02B

Sample Number: BG562	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: SED02	pH:	Sample Date: 04/19/2021	Sample Time: 09:55:00
% Moisture:		% Solids: 57	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	0.83	U	mg/kg	0.37	J	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG4Z8** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED02B

Sample Number: BG562	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SED02	pH:	Sample Date: 04/19/2021	Sample Time: 09:55:00
% Moisture:		% Solids: 57	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	2.2	J-	mg/kg	2.2	D	2	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG4Z8** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED02B

Sample Number: BG562	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SED02	pH:	Sample Date: 04/19/2021	Sample Time: 09:55:00
% Moisture:		% Solids: 57	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	10000		mg/kg	10000		1	YES	S3VEM
Antimony	Target	9.6	U	mg/kg	9.6	U	1	YES	S3VEM
Arsenic	Target	9.9		mg/kg	9.9		1	YES	S3VEM
Barium	Target	93		mg/kg	93		1	YES	S3VEM
Beryllium	Target	0.53	J	mg/kg	0.53	J	1	YES	S3VEM
Cadmium	Target	3.6		mg/kg	3.6		1	YES	S3VEM
Calcium	Target	3900		mg/kg	3900		1	YES	S3VEM
Chromium	Target	110		mg/kg	110		1	YES	S3VEM
Cobalt	Target	6.9	J	mg/kg	6.9	J	1	YES	S3VEM
Copper	Target	170		mg/kg	170		1	YES	S3VEM
Iron	Target	20000		mg/kg	20000		1	YES	S3VEM
Lead	Target	240		mg/kg	240	*	1	YES	S3VEM
Magnesium	Target	5000		mg/kg	5000		1	YES	S3VEM
Manganese	Target	190		mg/kg	190		1	YES	S3VEM
Nickel	Target	34		mg/kg	34		1	YES	S3VEM
Potassium	Target	2400		mg/kg	2400		1	YES	S3VEM
Selenium	Target	5.6	U	mg/kg	5.6	U	1	YES	S3VEM
Silver	Target	4.2		mg/kg	4.2		1	YES	S3VEM
Sodium	Target	6300		mg/kg	6300		1	YES	S3VEM
Thallium	Target	4.0	U	mg/kg	4.0	U	1	YES	S3VEM
Vanadium	Target	36		mg/kg	36		1	YES	S3VEM
Zinc	Target	300		mg/kg	300		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG4Z8** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED02C

Sample Number: BG563	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: SED02	pH:	Sample Date: 04/19/2021	Sample Time: 10:10:00
% Moisture:		% Solids: 75	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	0.63	U	mg/kg	0.30	J	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG4Z8** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED02C

Sample Number: BG563	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SED02	pH:	Sample Date: 04/19/2021	Sample Time: 10:10:00
% Moisture:		% Solids: 75	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.085	J-	mg/kg	0.085	J	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG4Z8** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED02C

Sample Number: BG563	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SED02	pH:	Sample Date: 04/19/2021	Sample Time: 10:10:00
% Moisture:		% Solids: 75	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	3200		mg/kg	3200		1	YES	S3VEM
Antimony	Target	8.0	U	mg/kg	8.0	U	1	YES	S3VEM
Arsenic	Target	2.1		mg/kg	2.1		1	YES	S3VEM
Barium	Target	27	U	mg/kg	15	J	1	YES	S3VEM
Beryllium	Target	0.16	J	mg/kg	0.16	J	1	YES	S3VEM
Cadmium	Target	0.21	J	mg/kg	0.21	J	1	YES	S3VEM
Calcium	Target	2000		mg/kg	2000		1	YES	S3VEM
Chromium	Target	13		mg/kg	13		1	YES	S3VEM
Cobalt	Target	2.7	J	mg/kg	2.7	J	1	YES	S3VEM
Copper	Target	16		mg/kg	16		1	YES	S3VEM
Iron	Target	6500		mg/kg	6500		1	YES	S3VEM
Lead	Target	23		mg/kg	23	*	1	YES	S3VEM
Magnesium	Target	2100		mg/kg	2100		1	YES	S3VEM
Manganese	Target	60		mg/kg	60		1	YES	S3VEM
Nickel	Target	8.8		mg/kg	8.8		1	YES	S3VEM
Potassium	Target	930		mg/kg	930		1	YES	S3VEM
Selenium	Target	4.7	U	mg/kg	4.7	U	1	YES	S3VEM
Silver	Target	0.30	J	mg/kg	0.30	J	1	YES	S3VEM
Sodium	Target	3100		mg/kg	3100		1	YES	S3VEM
Thallium	Target	3.3	U	mg/kg	3.3	U	1	YES	S3VEM
Vanadium	Target	9.7		mg/kg	9.7		1	YES	S3VEM
Zinc	Target	60		mg/kg	60		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG4Z8** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED03A

Sample Number: BG564	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: SED03	pH:	Sample Date: 04/19/2021	Sample Time: 11:10:00
% Moisture:		% Solids: 41	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	1.1	UJ	mg/kg	0.67	J	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG4Z8** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED03A

Sample Number: BG564	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SED03	pH:	Sample Date: 04/19/2021	Sample Time: 11:10:00
% Moisture:		% Solids: 41	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	4.0	J-	mg/kg	4.0	D	3	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG4Z8** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED03A

Sample Number: BG564	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SED03	pH:	Sample Date: 04/19/2021	Sample Time: 11:10:00
% Moisture:		% Solids: 41	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	18000	J	mg/kg	18000		1	YES	S3VEM
Antimony	Target	14	UJ	mg/kg	14	U	1	YES	S3VEM
Arsenic	Target	22	J	mg/kg	22		1	YES	S3VEM
Barium	Target	190	J	mg/kg	190		1	YES	S3VEM
Beryllium	Target	1.0	J	mg/kg	1.0	J	1	YES	S3VEM
Cadmium	Target	5.1	J	mg/kg	5.1		1	YES	S3VEM
Calcium	Target	6800	J	mg/kg	6800		1	YES	S3VEM
Chromium	Target	170	J	mg/kg	170		1	YES	S3VEM
Cobalt	Target	11	J	mg/kg	11	J	1	YES	S3VEM
Copper	Target	260	J	mg/kg	260		1	YES	S3VEM
Iron	Target	35000	J	mg/kg	35000		1	YES	S3VEM
Lead	Target	320	J	mg/kg	320	*	1	YES	S3VEM
Magnesium	Target	8000	J	mg/kg	8000		1	YES	S3VEM
Manganese	Target	370	J	mg/kg	370		1	YES	S3VEM
Nickel	Target	44	J	mg/kg	44		1	YES	S3VEM
Potassium	Target	4500	J	mg/kg	4500		1	YES	S3VEM
Selenium	Target	1.4	J	mg/kg	1.4	J	1	YES	S3VEM
Silver	Target	6.3	J	mg/kg	6.3		1	YES	S3VEM
Sodium	Target	12000	J	mg/kg	12000		1	YES	S3VEM
Thallium	Target	5.8	UJ	mg/kg	5.8	U	1	YES	S3VEM
Vanadium	Target	55	J	mg/kg	55		1	YES	S3VEM
Zinc	Target	500	J	mg/kg	500		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG4Z8** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED03B

Sample Number: BG565	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: SED03	pH:	Sample Date: 04/19/2021	Sample Time: 11:25:00
% Moisture:		% Solids: 44	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	1.1	UJ	mg/kg	1.1	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG4Z8** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED03B

Sample Number: BG565	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SED03	pH:	Sample Date: 04/19/2021	Sample Time: 11:25:00
% Moisture:		% Solids: 44	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	3.7	J-	mg/kg	3.7	D	2	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG4Z8** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED03B

Sample Number: BG565	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SED03	pH:	Sample Date: 04/19/2021	Sample Time: 11:25:00
% Moisture:		% Solids: 44	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	13000	J	mg/kg	13000		1	YES	S3VEM
Antimony	Target	13	UJ	mg/kg	13	U	1	YES	S3VEM
Arsenic	Target	17	J	mg/kg	17		1	YES	S3VEM
Barium	Target	220	J	mg/kg	220		1	YES	S3VEM
Beryllium	Target	0.71	J	mg/kg	0.71	J	1	YES	S3VEM
Cadmium	Target	7.2	J	mg/kg	7.2		1	YES	S3VEM
Calcium	Target	5200	J	mg/kg	5200		1	YES	S3VEM
Chromium	Target	190	J	mg/kg	190		1	YES	S3VEM
Cobalt	Target	8.5	J	mg/kg	8.5	J	1	YES	S3VEM
Copper	Target	340	J	mg/kg	340		1	YES	S3VEM
Iron	Target	26000	J	mg/kg	26000		1	YES	S3VEM
Lead	Target	450	J	mg/kg	450	*	1	YES	S3VEM
Magnesium	Target	6000	J	mg/kg	6000		1	YES	S3VEM
Manganese	Target	230	J	mg/kg	230		1	YES	S3VEM
Nickel	Target	47	J	mg/kg	47		1	YES	S3VEM
Potassium	Target	3000	J	mg/kg	3000		1	YES	S3VEM
Selenium	Target	1.4	J	mg/kg	1.4	J	1	YES	S3VEM
Silver	Target	7.9	J	mg/kg	7.9		1	YES	S3VEM
Sodium	Target	11000	J	mg/kg	11000		1	YES	S3VEM
Thallium	Target	5.5	UJ	mg/kg	5.5	U	1	YES	S3VEM
Vanadium	Target	67	J	mg/kg	67		1	YES	S3VEM
Zinc	Target	710	J	mg/kg	710		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG4Z8** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED03C

Sample Number: BG566	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: SED03	pH:	Sample Date: 04/19/2021	Sample Time: 11:35:00
% Moisture:		% Solids: 33	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	1.5	J	mg/kg	1.5		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG4Z8** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED03C

Sample Number: BG566	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SED03	pH:	Sample Date: 04/19/2021	Sample Time: 11:35:00
% Moisture:		% Solids: 33	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	2.5	J-	mg/kg	2.5		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG4Z8** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED03C

Sample Number: BG566	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SED03	pH:	Sample Date: 04/19/2021	Sample Time: 11:35:00
% Moisture:		% Solids: 33	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	19000	J	mg/kg	19000		1	YES	S3VEM
Antimony	Target	17	UJ	mg/kg	17	U	1	YES	S3VEM
Arsenic	Target	13	J	mg/kg	13		1	YES	S3VEM
Barium	Target	110	J	mg/kg	110		1	YES	S3VEM
Beryllium	Target	0.95	J	mg/kg	0.95	J	1	YES	S3VEM
Cadmium	Target	2.8	J	mg/kg	2.8		1	YES	S3VEM
Calcium	Target	9400	J	mg/kg	9400		1	YES	S3VEM
Chromium	Target	130	J	mg/kg	130		1	YES	S3VEM
Cobalt	Target	12	J	mg/kg	12	J	1	YES	S3VEM
Copper	Target	200	J	mg/kg	200		1	YES	S3VEM
Iron	Target	36000	J	mg/kg	36000		1	YES	S3VEM
Lead	Target	240	J	mg/kg	240	*	1	YES	S3VEM
Magnesium	Target	9900	J	mg/kg	9900		1	YES	S3VEM
Manganese	Target	430	J	mg/kg	430		1	YES	S3VEM
Nickel	Target	46	J	mg/kg	46		1	YES	S3VEM
Potassium	Target	4800	J	mg/kg	4800		1	YES	S3VEM
Selenium	Target	10	UJ	mg/kg	10	U	1	YES	S3VEM
Silver	Target	5.7	J	mg/kg	5.7		1	YES	S3VEM
Sodium	Target	17000	J	mg/kg	17000		1	YES	S3VEM
Thallium	Target	7.2	UJ	mg/kg	7.2	U	1	YES	S3VEM
Vanadium	Target	53	J	mg/kg	53		1	YES	S3VEM
Zinc	Target	370	J	mg/kg	370		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG4Z8** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED04A

Sample Number: BG567	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: SED04/SW04	pH:	Sample Date: 04/19/2021	Sample Time: 12:15:00
% Moisture:		% Solids: 64	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	0.77	U	mg/kg	0.77	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG4Z8** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED04A

Sample Number: BG567	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SED04/SW04	pH:	Sample Date: 04/19/2021	Sample Time: 12:15:00
% Moisture:		% Solids: 64	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	1.1	J-	mg/kg	1.1		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG4Z8** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED04A

Sample Number: BG567	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SED04/SW04	pH:	Sample Date: 04/19/2021	Sample Time: 12:15:00
% Moisture:		% Solids: 64	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	4800		mg/kg	4800		1	YES	S3VEM
Antimony	Target	9.3	U	mg/kg	9.3	U	1	YES	S3VEM
Arsenic	Target	5.4		mg/kg	5.4		1	YES	S3VEM
Barium	Target	64		mg/kg	64		1	YES	S3VEM
Beryllium	Target	0.28	J	mg/kg	0.28	J	1	YES	S3VEM
Cadmium	Target	1.4		mg/kg	1.4		1	YES	S3VEM
Calcium	Target	1500		mg/kg	1500		1	YES	S3VEM
Chromium	Target	43		mg/kg	43		1	YES	S3VEM
Cobalt	Target	3.4	J	mg/kg	3.4	J	1	YES	S3VEM
Copper	Target	82		mg/kg	82		1	YES	S3VEM
Iron	Target	10000		mg/kg	10000		1	YES	S3VEM
Lead	Target	110		mg/kg	110	*	1	YES	S3VEM
Magnesium	Target	2200		mg/kg	2200		1	YES	S3VEM
Manganese	Target	94		mg/kg	94		1	YES	S3VEM
Nickel	Target	13		mg/kg	13		1	YES	S3VEM
Potassium	Target	1200		mg/kg	1200		1	YES	S3VEM
Selenium	Target	5.4	U	mg/kg	5.4	U	1	YES	S3VEM
Silver	Target	1.6		mg/kg	1.6		1	YES	S3VEM
Sodium	Target	2700		mg/kg	2700		1	YES	S3VEM
Thallium	Target	3.9	U	mg/kg	3.9	U	1	YES	S3VEM
Vanadium	Target	17		mg/kg	17		1	YES	S3VEM
Zinc	Target	180		mg/kg	180		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG4Z8** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED04B

Sample Number: BG568	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: SED04/SW04	pH:	Sample Date: 04/19/2021	Sample Time: 12:30:00
% Moisture:		% Solids: 54	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	0.92	U	mg/kg	0.92	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG4Z8** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED04B

Sample Number: BG568	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SED04/SW04	pH:	Sample Date: 04/19/2021	Sample Time: 12:30:00
% Moisture:		% Solids: 54	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	3.0	J-	mg/kg	3.0	D	3	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG4Z8** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED04B

Sample Number: BG568	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SED04/SW04	pH:	Sample Date: 04/19/2021	Sample Time: 12:30:00
% Moisture:		% Solids: 54	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	9700		mg/kg	9700		1	YES	S3VEM
Antimony	Target	11	U	mg/kg	11	U	1	YES	S3VEM
Arsenic	Target	12		mg/kg	12		1	YES	S3VEM
Barium	Target	160		mg/kg	160		1	YES	S3VEM
Beryllium	Target	0.55	J	mg/kg	0.55	J	1	YES	S3VEM
Cadmium	Target	5.0		mg/kg	5.0		1	YES	S3VEM
Calcium	Target	3300		mg/kg	3300		1	YES	S3VEM
Chromium	Target	130		mg/kg	130		1	YES	S3VEM
Cobalt	Target	6.5	J	mg/kg	6.5	J	1	YES	S3VEM
Copper	Target	250		mg/kg	250		1	YES	S3VEM
Iron	Target	23000		mg/kg	23000		1	YES	S3VEM
Lead	Target	400		mg/kg	400	*	1	YES	S3VEM
Magnesium	Target	4400		mg/kg	4400		1	YES	S3VEM
Manganese	Target	170		mg/kg	170		1	YES	S3VEM
Nickel	Target	35		mg/kg	35		1	YES	S3VEM
Potassium	Target	2200		mg/kg	2200		1	YES	S3VEM
Selenium	Target	1.0	J	mg/kg	1.0	J	1	YES	S3VEM
Silver	Target	5.3		mg/kg	5.3		1	YES	S3VEM
Sodium	Target	5200		mg/kg	5200		1	YES	S3VEM
Thallium	Target	4.6	U	mg/kg	4.6	U	1	YES	S3VEM
Vanadium	Target	45		mg/kg	45		1	YES	S3VEM
Zinc	Target	550		mg/kg	550		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG4Z8** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED04C

Sample Number: BG569	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: SED04/SW04	pH:	Sample Date: 04/19/2021	Sample Time: 12:40:00
% Moisture:		% Solids: 33	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	1.5	UJ	mg/kg	1.5	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG4Z8** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED04C

Sample Number: BG569	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SED04/SW04	pH:	Sample Date: 04/19/2021	Sample Time: 12:40:00
% Moisture:		% Solids: 33	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	1.8	J-	mg/kg	1.8		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG4Z8** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED04C

Sample Number: BG569	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SED04/SW04	pH:	Sample Date: 04/19/2021	Sample Time: 12:40:00
% Moisture:		% Solids: 33	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	18000	J	mg/kg	18000		1	YES	S3VEM
Antimony	Target	17	UJ	mg/kg	17	U	1	YES	S3VEM
Arsenic	Target	14	J	mg/kg	14		1	YES	S3VEM
Barium	Target	130	J	mg/kg	130		1	YES	S3VEM
Beryllium	Target	0.92	J	mg/kg	0.92	J	1	YES	S3VEM
Cadmium	Target	5.4	J	mg/kg	5.4		1	YES	S3VEM
Calcium	Target	7500	J	mg/kg	7500		1	YES	S3VEM
Chromium	Target	160	J	mg/kg	160		1	YES	S3VEM
Cobalt	Target	12	J	mg/kg	12	J	1	YES	S3VEM
Copper	Target	300	J	mg/kg	300		1	YES	S3VEM
Iron	Target	35000	J	mg/kg	35000		1	YES	S3VEM
Lead	Target	390	J	mg/kg	390	*	1	YES	S3VEM
Magnesium	Target	9000	J	mg/kg	9000		1	YES	S3VEM
Manganese	Target	360	J	mg/kg	360		1	YES	S3VEM
Nickel	Target	51	J	mg/kg	51		1	YES	S3VEM
Potassium	Target	4700	J	mg/kg	4700		1	YES	S3VEM
Selenium	Target	10	UJ	mg/kg	10	U	1	YES	S3VEM
Silver	Target	6.8	J	mg/kg	6.8		1	YES	S3VEM
Sodium	Target	16000	J	mg/kg	16000		1	YES	S3VEM
Thallium	Target	7.2	UJ	mg/kg	7.2	U	1	YES	S3VEM
Vanadium	Target	56	J	mg/kg	56		1	YES	S3VEM
Zinc	Target	570	J	mg/kg	570		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG4Z8** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED05A

Sample Number: BG570	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: SED05	pH:	Sample Date: 04/19/2021	Sample Time: 13:20:00
% Moisture:		% Solids: 39	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	5.5	J	mg/kg	5.5		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG4Z8** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED05A

Sample Number: BG570	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SED05	pH:	Sample Date: 04/19/2021	Sample Time: 13:20:00
% Moisture:		% Solids: 39	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	5.5	J-	mg/kg	5.5	D	3	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG4Z8** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED05A

Sample Number: BG570	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SED05	pH:	Sample Date: 04/19/2021	Sample Time: 13:20:00
% Moisture:		% Solids: 39	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	17000	J	mg/kg	17000		1	YES	S3VEM
Antimony	Target	15	UJ	mg/kg	15	U	1	YES	S3VEM
Arsenic	Target	25	J	mg/kg	25		1	YES	S3VEM
Barium	Target	320	J	mg/kg	320		1	YES	S3VEM
Beryllium	Target	0.83	J	mg/kg	0.83	J	1	YES	S3VEM
Cadmium	Target	15	J	mg/kg	15		1	YES	S3VEM
Calcium	Target	8300	J	mg/kg	8300		1	YES	S3VEM
Chromium	Target	230	J	mg/kg	230		1	YES	S3VEM
Cobalt	Target	11	J	mg/kg	11	J	1	YES	S3VEM
Copper	Target	670	J	mg/kg	670		1	YES	S3VEM
Iron	Target	35000	J	mg/kg	35000		1	YES	S3VEM
Lead	Target	1000	J	mg/kg	1000	*	1	YES	S3VEM
Magnesium	Target	8000	J	mg/kg	8000		1	YES	S3VEM
Manganese	Target	270	J	mg/kg	270		1	YES	S3VEM
Nickel	Target	84	J	mg/kg	84		1	YES	S3VEM
Potassium	Target	3700	J	mg/kg	3700		1	YES	S3VEM
Selenium	Target	1.5	J	mg/kg	1.5	J	1	YES	S3VEM
Silver	Target	10	J	mg/kg	10		1	YES	S3VEM
Sodium	Target	14000	J	mg/kg	14000		1	YES	S3VEM
Thallium	Target	6.2	UJ	mg/kg	6.2	U	1	YES	S3VEM
Vanadium	Target	130	J	mg/kg	130		1	YES	S3VEM
Zinc	Target	1400	J	mg/kg	1400		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG4Z8** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED05B

Sample Number: BG571	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: SED05	pH:	Sample Date: 04/19/2021	Sample Time: 13:35:00
% Moisture:		% Solids: 32	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	1.5	UJ	mg/kg	1.5	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG4Z8** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED05B

Sample Number: BG571	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SED05	pH:	Sample Date: 04/19/2021	Sample Time: 13:35:00
% Moisture:		% Solids: 32	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	5.5	J-	mg/kg	5.5	D	3	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG4Z8** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED05B

Sample Number: BG571	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SED05	pH:	Sample Date: 04/19/2021	Sample Time: 13:35:00
% Moisture:		% Solids: 32	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	18000	J	mg/kg	18000		1	YES	S3VEM
Antimony	Target	18	UJ	mg/kg	18	U	1	YES	S3VEM
Arsenic	Target	20	J	mg/kg	20		1	YES	S3VEM
Barium	Target	230	J	mg/kg	230		1	YES	S3VEM
Beryllium	Target	0.92	J	mg/kg	0.92	J	1	YES	S3VEM
Cadmium	Target	11	J	mg/kg	11		1	YES	S3VEM
Calcium	Target	9500	J	mg/kg	9500		1	YES	S3VEM
Chromium	Target	290	J	mg/kg	290		1	YES	S3VEM
Cobalt	Target	12	J	mg/kg	12	J	1	YES	S3VEM
Copper	Target	580	J	mg/kg	580		1	YES	S3VEM
Iron	Target	37000	J	mg/kg	37000		1	YES	S3VEM
Lead	Target	930	J	mg/kg	930	*	1	YES	S3VEM
Magnesium	Target	9000	J	mg/kg	9000		1	YES	S3VEM
Manganese	Target	320	J	mg/kg	320		1	YES	S3VEM
Nickel	Target	74	J	mg/kg	74		1	YES	S3VEM
Potassium	Target	4400	J	mg/kg	4400		1	YES	S3VEM
Selenium	Target	1.8	J	mg/kg	1.8	J	1	YES	S3VEM
Silver	Target	11	J	mg/kg	11		1	YES	S3VEM
Sodium	Target	18000	J	mg/kg	18000		1	YES	S3VEM
Thallium	Target	7.4	UJ	mg/kg	7.4	U	1	YES	S3VEM
Vanadium	Target	100	J	mg/kg	100		1	YES	S3VEM
Zinc	Target	910	J	mg/kg	910		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG4Z8** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED05C

Sample Number: BG572	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: SED05	pH:	Sample Date: 04/19/2021	Sample Time: 13:45:00
% Moisture:		% Solids: 32	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	1.5	UJ	mg/kg	1.5	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG4Z8** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED05C

Sample Number: BG572	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SED05	pH:	Sample Date: 04/19/2021	Sample Time: 13:45:00
% Moisture:		% Solids: 32	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	1.3	J-	mg/kg	1.3		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG4Z8** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED05C

Sample Number: BG572	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SED05	pH:	Sample Date: 04/19/2021	Sample Time: 13:45:00
% Moisture:		% Solids: 32	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	19000	J	mg/kg	19000		1	YES	S3VEM
Antimony	Target	17	UJ	mg/kg	17	U	1	YES	S3VEM
Arsenic	Target	12	J	mg/kg	12		1	YES	S3VEM
Barium	Target	110	J	mg/kg	110		1	YES	S3VEM
Beryllium	Target	0.98	J	mg/kg	0.98	J	1	YES	S3VEM
Cadmium	Target	2.7	J	mg/kg	2.7		1	YES	S3VEM
Calcium	Target	9300	J	mg/kg	9300		1	YES	S3VEM
Chromium	Target	94	J	mg/kg	94		1	YES	S3VEM
Cobalt	Target	13	J	mg/kg	13	J	1	YES	S3VEM
Copper	Target	200	J	mg/kg	200		1	YES	S3VEM
Iron	Target	36000	J	mg/kg	36000		1	YES	S3VEM
Lead	Target	270	J	mg/kg	270	*	1	YES	S3VEM
Magnesium	Target	10000	J	mg/kg	10000		1	YES	S3VEM
Manganese	Target	360	J	mg/kg	360		1	YES	S3VEM
Nickel	Target	47	J	mg/kg	47		1	YES	S3VEM
Potassium	Target	4900	J	mg/kg	4900		1	YES	S3VEM
Selenium	Target	10	UJ	mg/kg	10	U	1	YES	S3VEM
Silver	Target	4.1	J	mg/kg	4.1		1	YES	S3VEM
Sodium	Target	18000	J	mg/kg	18000		1	YES	S3VEM
Thallium	Target	7.3	UJ	mg/kg	7.3	U	1	YES	S3VEM
Vanadium	Target	56	J	mg/kg	56		1	YES	S3VEM
Zinc	Target	500	J	mg/kg	500		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG4Z8** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: LCS01	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Spike	39		mg/kg	39		1	YES	S3VEM
Antimony	Spike	12		mg/kg	12		1	YES	S3VEM
Arsenic	Spike	1.6		mg/kg	1.6		1	YES	S3VEM
Barium	Spike	39		mg/kg	39		1	YES	S3VEM
Beryllium	Spike	0.95		mg/kg	0.95		1	YES	S3VEM
Cadmium	Spike	0.98		mg/kg	0.98		1	YES	S3VEM
Calcium	Spike	990		mg/kg	990		1	YES	S3VEM
Chromium	Spike	2.1		mg/kg	2.1		1	YES	S3VEM
Cobalt	Spike	10		mg/kg	10		1	YES	S3VEM
Copper	Spike	4.7		mg/kg	4.7		1	YES	S3VEM
Iron	Spike	19		mg/kg	19		1	YES	S3VEM
Lead	Spike	2.0		mg/kg	2.0		1	YES	S3VEM
Magnesium	Spike	920		mg/kg	920		1	YES	S3VEM
Manganese	Spike	3.0		mg/kg	3.0		1	YES	S3VEM
Nickel	Spike	8.0		mg/kg	8.0		1	YES	S3VEM
Potassium	Spike	920		mg/kg	920		1	YES	S3VEM
Selenium	Spike	6.3		mg/kg	6.3		1	YES	S3VEM
Silver	Spike	1.8		mg/kg	1.8		1	YES	S3VEM
Sodium	Spike	930		mg/kg	930		1	YES	S3VEM
Thallium	Spike	4.5		mg/kg	4.5		1	YES	S3VEM
Vanadium	Spike	9.6		mg/kg	9.6		1	YES	S3VEM
Zinc	Spike	11		mg/kg	11		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG4Z8** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: PBS01	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	0.50	U	mg/kg	0.50	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG4Z8** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: PBS01	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	-0.013	J-	mg/kg	-0.013	J	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG4Z8** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: PBS01	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	3.2	J	mg/kg	3.2	J	1	YES	S3VEM
Antimony	Target	6.0	U	mg/kg	6.0	U	1	YES	S3VEM
Arsenic	Target	1.0	U	mg/kg	1.0	U	1	YES	S3VEM
Barium	Target	20	U	mg/kg	20	U	1	YES	S3VEM
Beryllium	Target	0.50	U	mg/kg	0.50	U	1	YES	S3VEM
Cadmium	Target	0.50	U	mg/kg	0.50	U	1	YES	S3VEM
Calcium	Target	9.1	J	mg/kg	9.1	J	1	YES	S3VEM
Chromium	Target	1.0	U	mg/kg	1.0	U	1	YES	S3VEM
Cobalt	Target	5.0	U	mg/kg	5.0	U	1	YES	S3VEM
Copper	Target	2.5	U	mg/kg	2.5	U	1	YES	S3VEM
Iron	Target	10	U	mg/kg	10	U	1	YES	S3VEM
Lead	Target	1.0	U	mg/kg	1.0	U	1	YES	S3VEM
Magnesium	Target	500	U	mg/kg	500	U	1	YES	S3VEM
Manganese	Target	1.5	U	mg/kg	1.5	U	1	YES	S3VEM
Nickel	Target	4.0	U	mg/kg	4.0	U	1	YES	S3VEM
Potassium	Target	500	U	mg/kg	500	U	1	YES	S3VEM
Selenium	Target	3.5	U	mg/kg	3.5	U	1	YES	S3VEM
Silver	Target	1.0	U	mg/kg	1.0	U	1	YES	S3VEM
Sodium	Target	500	U	mg/kg	500	U	1	YES	S3VEM
Thallium	Target	2.5	U	mg/kg	2.5	U	1	YES	S3VEM
Vanadium	Target	5.0	U	mg/kg	5.0	U	1	YES	S3VEM
Zinc	Target	6.0	U	mg/kg	6.0	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG4Z8** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: PBS02	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	0.50	U	mg/kg	0.50	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG4Z8** **Lab Name: Bonner Analytical Testing Co.**

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG558D	Sediment	04/19/2021	1	7429-90-5	Aluminum	1000			24	mg/kg	6100-SED01A
BG558D	Sediment	04/19/2021	1	7440-36-0	Antimony	7.3	U	U	7.3	mg/kg	6100-SED01A
BG558D	Sediment	04/19/2021	1	7440-38-2	Arsenic	0.75	J	J	1.2	mg/kg	6100-SED01A
BG558D	Sediment	04/19/2021	1	7440-39-3	Barium	24	J	U	24	mg/kg	6100-SED01A
BG558D	Sediment	04/19/2021	1	7440-41-7	Beryllium	0.058	J	J	0.60	mg/kg	6100-SED01A
BG558D	Sediment	04/19/2021	1	7440-43-9	Cadmium	0.60	U	U	0.60	mg/kg	6100-SED01A
BG558D	Sediment	04/19/2021	1	7440-70-2	Calcium	600	J	U	600	mg/kg	6100-SED01A
BG558D	Sediment	04/19/2021	1	7440-47-3	Chromium	3.4			1.2	mg/kg	6100-SED01A
BG558D	Sediment	04/19/2021	1	7440-48-4	Cobalt	1.2	J	J	6.0	mg/kg	6100-SED01A
BG558D	Sediment	04/19/2021	1	7440-50-8	Copper	1.4	J	J	3.0	mg/kg	6100-SED01A
BG558D	Sediment	04/19/2021	1	7439-89-6	Iron	2200			12	mg/kg	6100-SED01A
BG558D	Sediment	04/19/2021	1	7439-92-1	Lead	3.4			1.2	mg/kg	6100-SED01A
BG558D	Sediment	04/19/2021	1	7439-95-4	Magnesium	850			600	mg/kg	6100-SED01A
BG558D	Sediment	04/19/2021	1	7439-96-5	Manganese	20			1.8	mg/kg	6100-SED01A
BG558D	Sediment	04/19/2021	1	7440-02-0	Nickel	6.3			4.8	mg/kg	6100-SED01A
BG558D	Sediment	04/19/2021	1	7440-09-7	Potassium	290	J	J	600	mg/kg	6100-SED01A
BG558D	Sediment	04/19/2021	1	7782-49-2	Selenium	4.2	U	U	4.2	mg/kg	6100-SED01A
BG558D	Sediment	04/19/2021	1	7440-22-4	Silver	1.2	U	U	1.2	mg/kg	6100-SED01A
BG558D	Sediment	04/19/2021	1	7440-23-5	Sodium	1800			600	mg/kg	6100-SED01A
BG558D	Sediment	04/19/2021	1	7440-28-0	Thallium	3.0	U	U	3.0	mg/kg	6100-SED01A
BG558D	Sediment	04/19/2021	1	7440-62-2	Vanadium	2.8	J	J	6.0	mg/kg	6100-SED01A
BG558D	Sediment	04/19/2021	1	7440-66-6	Zinc	9.3			7.3	mg/kg	6100-SED01A
BG4Z8		04/15/2021	1	7429-90-5	Aluminum	9100		J	54	mg/kg	6100-SED21A
BG4Z8		04/15/2021	1	7440-36-0	Antimony	2.8	J	J	16	mg/kg	6100-SED21A
BG4Z8		04/15/2021	1	7440-38-2	Arsenic	20		J	2.7	mg/kg	6100-SED21A
BG4Z8		04/15/2021	1	7440-39-3	Barium	110		J	54	mg/kg	6100-SED21A
BG4Z8		04/15/2021	1	7440-41-7	Beryllium	0.40	J	J	1.4	mg/kg	6100-SED21A
BG4Z8		04/15/2021	1	7440-43-9	Cadmium	1.8		J	1.4	mg/kg	6100-SED21A
BG4Z8		04/15/2021	1	7440-70-2	Calcium	14000		J	1400	mg/kg	6100-SED21A
BG4Z8		04/15/2021	1	7440-47-3	Chromium	64		J	2.7	mg/kg	6100-SED21A
BG4Z8		04/15/2021	1	7440-48-4	Cobalt	7.8	J	J	14	mg/kg	6100-SED21A
BG4Z8		04/15/2021	1	7440-50-8	Copper	190		J	6.8	mg/kg	6100-SED21A
BG4Z8		04/15/2021	1	7439-89-6	Iron	34000		J	27	mg/kg	6100-SED21A
BG4Z8		04/15/2021	1	7439-92-1	Lead	710	*	J	2.7	mg/kg	6100-SED21A
BG4Z8		04/15/2021	1	7439-95-4	Magnesium	9900		J	1400	mg/kg	6100-SED21A
BG4Z8		04/15/2021	1	7439-96-5	Manganese	160		J	4.1	mg/kg	6100-SED21A
BG4Z8		04/15/2021	1	7440-02-0	Nickel	33		J	11	mg/kg	6100-SED21A
BG4Z8		04/15/2021	1	7440-09-7	Potassium	2300		J	1400	mg/kg	6100-SED21A
BG4Z8		04/15/2021	1	7782-49-2	Selenium	9.5	U	UJ	9.5	mg/kg	6100-SED21A
BG4Z8		04/15/2021	1	7440-22-4	Silver	2.0	J	J	2.7	mg/kg	6100-SED21A
BG4Z8		04/15/2021	1	7440-23-5	Sodium	12000		J	1400	mg/kg	6100-SED21A
BG4Z8		04/15/2021	1	7440-28-0	Thallium	6.8	U	UJ	6.8	mg/kg	6100-SED21A
BG4Z8		04/15/2021	1	7440-62-2	Vanadium	42		J	14	mg/kg	6100-SED21A
BG4Z8		04/15/2021	1	7440-66-6	Zinc	700		J	16	mg/kg	6100-SED21A
BG558	Sediment	04/19/2021	1	7429-90-5	Aluminum	1100			24	mg/kg	6100-SED01A
BG558	Sediment	04/19/2021	1	7440-36-0	Antimony	7.3	U	U	7.3	mg/kg	6100-SED01A
BG558	Sediment	04/19/2021	1	7440-38-2	Arsenic	0.77	J	J	1.2	mg/kg	6100-SED01A
BG558	Sediment	04/19/2021	1	7440-39-3	Barium	24	J	U	24	mg/kg	6100-SED01A
BG558	Sediment	04/19/2021	1	7440-41-7	Beryllium	0.058	J	J	0.60	mg/kg	6100-SED01A
BG558	Sediment	04/19/2021	1	7440-43-9	Cadmium	0.60	U	U	0.60	mg/kg	6100-SED01A
BG558	Sediment	04/19/2021	1	7440-70-2	Calcium	600	J	U	600	mg/kg	6100-SED01A
BG558	Sediment	04/19/2021	1	7440-47-3	Chromium	3.3			1.2	mg/kg	6100-SED01A
BG558	Sediment	04/19/2021	1	7440-48-4	Cobalt	1.2	J	J	6.0	mg/kg	6100-SED01A
BG558	Sediment	04/19/2021	1	7440-50-8	Copper	1.6	J	J	3.0	mg/kg	6100-SED01A
BG558	Sediment	04/19/2021	1	7439-89-6	Iron	2500			12	mg/kg	6100-SED01A
BG558	Sediment	04/19/2021	1	7439-92-1	Lead	4.1	*	J	1.2	mg/kg	6100-SED01A
BG558	Sediment	04/19/2021	1	7439-95-4	Magnesium	730			600	mg/kg	6100-SED01A
BG558	Sediment	04/19/2021	1	7439-96-5	Manganese	22			1.8	mg/kg	6100-SED01A
BG558	Sediment	04/19/2021	1	7440-02-0	Nickel	3.6	J	J	4.8	mg/kg	6100-SED01A
BG558	Sediment	04/19/2021	1	7440-09-7	Potassium	310	J	J	600	mg/kg	6100-SED01A
BG558	Sediment	04/19/2021	1	7782-49-2	Selenium	4.2	U	U	4.2	mg/kg	6100-SED01A
BG558	Sediment	04/19/2021	1	7440-22-4	Silver	1.2	U	U	1.2	mg/kg	6100-SED01A
BG558	Sediment	04/19/2021	1	7440-23-5	Sodium	1600			600	mg/kg	6100-SED01A
BG558	Sediment	04/19/2021	1	7440-28-0	Thallium	3.0	U	U	3.0	mg/kg	6100-SED01A
BG558	Sediment	04/19/2021	1	7440-62-2	Vanadium	3.2	J	J	6.0	mg/kg	6100-SED01A
BG558	Sediment	04/19/2021	1	7440-66-6	Zinc	11			7.3	mg/kg	6100-SED01A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG559	Sediment	04/19/2021	1	7429-90-5	Aluminum	1100			23	mg/kg	6100-SED01B
BG559	Sediment	04/19/2021	1	7440-36-0	Antimony	7.0	U	U	7.0	mg/kg	6100-SED01B
BG559	Sediment	04/19/2021	1	7440-38-2	Arsenic	0.98	J	J	1.2	mg/kg	6100-SED01B
BG559	Sediment	04/19/2021	1	7440-39-3	Barium	23	J	U	23	mg/kg	6100-SED01B
BG559	Sediment	04/19/2021	1	7440-41-7	Beryllium	0.055	J	J	0.58	mg/kg	6100-SED01B
BG559	Sediment	04/19/2021	1	7440-43-9	Cadmium	0.58	U	U	0.58	mg/kg	6100-SED01B
BG559	Sediment	04/19/2021	1	7440-70-2	Calcium	580	J	U	580	mg/kg	6100-SED01B
BG559	Sediment	04/19/2021	1	7440-47-3	Chromium	3.0			1.2	mg/kg	6100-SED01B
BG559	Sediment	04/19/2021	1	7440-48-4	Cobalt	1.2	J	J	5.8	mg/kg	6100-SED01B
BG559	Sediment	04/19/2021	1	7440-50-8	Copper	1.3	J	J	2.9	mg/kg	6100-SED01B
BG559	Sediment	04/19/2021	1	7439-89-6	Iron	2100			12	mg/kg	6100-SED01B
BG559	Sediment	04/19/2021	1	7439-92-1	Lead	2.2	*		1.2	mg/kg	6100-SED01B
BG559	Sediment	04/19/2021	1	7439-95-4	Magnesium	700			580	mg/kg	6100-SED01B
BG559	Sediment	04/19/2021	1	7439-96-5	Manganese	20			1.8	mg/kg	6100-SED01B
BG559	Sediment	04/19/2021	1	7440-02-0	Nickel	3.2	J	J	4.7	mg/kg	6100-SED01B
BG559	Sediment	04/19/2021	1	7440-09-7	Potassium	310	J	J	580	mg/kg	6100-SED01B
BG559	Sediment	04/19/2021	1	7782-49-2	Selenium	4.1	U	U	4.1	mg/kg	6100-SED01B
BG559	Sediment	04/19/2021	1	7440-22-4	Silver	1.2	U	U	1.2	mg/kg	6100-SED01B
BG559	Sediment	04/19/2021	1	7440-23-5	Sodium	1800			580	mg/kg	6100-SED01B
BG559	Sediment	04/19/2021	1	7440-28-0	Thallium	2.9	U	U	2.9	mg/kg	6100-SED01B
BG559	Sediment	04/19/2021	1	7440-62-2	Vanadium	2.8	J	J	5.8	mg/kg	6100-SED01B
BG559	Sediment	04/19/2021	1	7440-66-6	Zinc	7.1			7.0	mg/kg	6100-SED01B
BG560	Sediment	04/19/2021	1	7429-90-5	Aluminum	1100			24	mg/kg	6100-SED01C
BG560	Sediment	04/19/2021	1	7440-36-0	Antimony	7.2	U	U	7.2	mg/kg	6100-SED01C
BG560	Sediment	04/19/2021	1	7440-38-2	Arsenic	1.1	J	J	1.2	mg/kg	6100-SED01C
BG560	Sediment	04/19/2021	1	7440-39-3	Barium	24	J	U	24	mg/kg	6100-SED01C
BG560	Sediment	04/19/2021	1	7440-41-7	Beryllium	0.059	J	J	0.60	mg/kg	6100-SED01C
BG560	Sediment	04/19/2021	1	7440-43-9	Cadmium	0.60	U	U	0.60	mg/kg	6100-SED01C
BG560	Sediment	04/19/2021	1	7440-70-2	Calcium	680			600	mg/kg	6100-SED01C
BG560	Sediment	04/19/2021	1	7440-47-3	Chromium	3.5			1.2	mg/kg	6100-SED01C
BG560	Sediment	04/19/2021	1	7440-48-4	Cobalt	1.0	J	J	6.0	mg/kg	6100-SED01C
BG560	Sediment	04/19/2021	1	7440-50-8	Copper	1.7	J	J	3.0	mg/kg	6100-SED01C
BG560	Sediment	04/19/2021	1	7439-89-6	Iron	2400			12	mg/kg	6100-SED01C
BG560	Sediment	04/19/2021	1	7439-92-1	Lead	3.2	*		1.2	mg/kg	6100-SED01C
BG560	Sediment	04/19/2021	1	7439-95-4	Magnesium	730			600	mg/kg	6100-SED01C
BG560	Sediment	04/19/2021	1	7439-96-5	Manganese	24			1.8	mg/kg	6100-SED01C
BG560	Sediment	04/19/2021	1	7440-02-0	Nickel	3.3	J	J	4.8	mg/kg	6100-SED01C
BG560	Sediment	04/19/2021	1	7440-09-7	Potassium	330	J	J	600	mg/kg	6100-SED01C
BG560	Sediment	04/19/2021	1	7782-49-2	Selenium	4.2	U	U	4.2	mg/kg	6100-SED01C
BG560	Sediment	04/19/2021	1	7440-22-4	Silver	1.2	U	U	1.2	mg/kg	6100-SED01C
BG560	Sediment	04/19/2021	1	7440-23-5	Sodium	1600			600	mg/kg	6100-SED01C
BG560	Sediment	04/19/2021	1	7440-28-0	Thallium	3.0	U	U	3.0	mg/kg	6100-SED01C
BG560	Sediment	04/19/2021	1	7440-62-2	Vanadium	3.2	J	J	6.0	mg/kg	6100-SED01C
BG560	Sediment	04/19/2021	1	7440-66-6	Zinc	10			7.2	mg/kg	6100-SED01C
BG561	Sediment	04/19/2021	1	7429-90-5	Aluminum	17000			39	mg/kg	6100-SED02A
BG561	Sediment	04/19/2021	1	7440-36-0	Antimony	12	U	U	12	mg/kg	6100-SED02A
BG561	Sediment	04/19/2021	1	7440-38-2	Arsenic	25			2.0	mg/kg	6100-SED02A
BG561	Sediment	04/19/2021	1	7440-39-3	Barium	220			39	mg/kg	6100-SED02A
BG561	Sediment	04/19/2021	1	7440-41-7	Beryllium	0.88	J	J	0.98	mg/kg	6100-SED02A
BG561	Sediment	04/19/2021	1	7440-43-9	Cadmium	4.2			0.98	mg/kg	6100-SED02A
BG561	Sediment	04/19/2021	1	7440-70-2	Calcium	8000			980	mg/kg	6100-SED02A
BG561	Sediment	04/19/2021	1	7440-47-3	Chromium	130			2.0	mg/kg	6100-SED02A
BG561	Sediment	04/19/2021	1	7440-48-4	Cobalt	11			9.8	mg/kg	6100-SED02A
BG561	Sediment	04/19/2021	1	7440-50-8	Copper	550			4.9	mg/kg	6100-SED02A
BG561	Sediment	04/19/2021	1	7439-89-6	Iron	32000			20	mg/kg	6100-SED02A
BG561	Sediment	04/19/2021	1	7439-92-1	Lead	370	*		2.0	mg/kg	6100-SED02A
BG561	Sediment	04/19/2021	1	7439-95-4	Magnesium	7100			980	mg/kg	6100-SED02A
BG561	Sediment	04/19/2021	1	7439-96-5	Manganese	330			2.9	mg/kg	6100-SED02A
BG561	Sediment	04/19/2021	1	7440-02-0	Nickel	45			7.8	mg/kg	6100-SED02A
BG561	Sediment	04/19/2021	1	7440-09-7	Potassium	3800			980	mg/kg	6100-SED02A
BG561	Sediment	04/19/2021	1	7782-49-2	Selenium	1.3	J	J	6.8	mg/kg	6100-SED02A
BG561	Sediment	04/19/2021	1	7440-22-4	Silver	5.7			2.0	mg/kg	6100-SED02A
BG561	Sediment	04/19/2021	1	7440-23-5	Sodium	6900			980	mg/kg	6100-SED02A
BG561	Sediment	04/19/2021	1	7440-28-0	Thallium	4.9	U	U	4.9	mg/kg	6100-SED02A
BG561	Sediment	04/19/2021	1	7440-62-2	Vanadium	50			9.8	mg/kg	6100-SED02A
BG561	Sediment	04/19/2021	1	7440-66-6	Zinc	540			12	mg/kg	6100-SED02A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG562	Sediment	04/19/2021	1	7429-90-5	Aluminum	10000			32	mg/kg	6100-SED02B
BG562	Sediment	04/19/2021	1	7440-36-0	Antimony	9.6	U	U	9.6	mg/kg	6100-SED02B
BG562	Sediment	04/19/2021	1	7440-38-2	Arsenic	9.9			1.6	mg/kg	6100-SED02B
BG562	Sediment	04/19/2021	1	7440-39-3	Barium	93			32	mg/kg	6100-SED02B
BG562	Sediment	04/19/2021	1	7440-41-7	Beryllium	0.53	J	J	0.80	mg/kg	6100-SED02B
BG562	Sediment	04/19/2021	1	7440-43-9	Cadmium	3.6			0.80	mg/kg	6100-SED02B
BG562	Sediment	04/19/2021	1	7440-70-2	Calcium	3900			800	mg/kg	6100-SED02B
BG562	Sediment	04/19/2021	1	7440-47-3	Chromium	110			1.6	mg/kg	6100-SED02B
BG562	Sediment	04/19/2021	1	7440-48-4	Cobalt	6.9	J	J	8.0	mg/kg	6100-SED02B
BG562	Sediment	04/19/2021	1	7440-50-8	Copper	170			4.0	mg/kg	6100-SED02B
BG562	Sediment	04/19/2021	1	7439-89-6	Iron	20000			16	mg/kg	6100-SED02B
BG562	Sediment	04/19/2021	1	7439-92-1	Lead	240	*		1.6	mg/kg	6100-SED02B
BG562	Sediment	04/19/2021	1	7439-95-4	Magnesium	5000			800	mg/kg	6100-SED02B
BG562	Sediment	04/19/2021	1	7439-96-5	Manganese	190			2.4	mg/kg	6100-SED02B
BG562	Sediment	04/19/2021	1	7440-02-0	Nickel	34			6.4	mg/kg	6100-SED02B
BG562	Sediment	04/19/2021	1	7440-09-7	Potassium	2400			800	mg/kg	6100-SED02B
BG562	Sediment	04/19/2021	1	7782-49-2	Selenium	5.6	U	U	5.6	mg/kg	6100-SED02B
BG562	Sediment	04/19/2021	1	7440-22-4	Silver	4.2			1.6	mg/kg	6100-SED02B
BG562	Sediment	04/19/2021	1	7440-23-5	Sodium	6300			800	mg/kg	6100-SED02B
BG562	Sediment	04/19/2021	1	7440-28-0	Thallium	4.0	U	U	4.0	mg/kg	6100-SED02B
BG562	Sediment	04/19/2021	1	7440-62-2	Vanadium	36			8.0	mg/kg	6100-SED02B
BG562	Sediment	04/19/2021	1	7440-66-6	Zinc	300			9.6	mg/kg	6100-SED02B
BG563	Sediment	04/19/2021	1	7429-90-5	Aluminum	3200			27	mg/kg	6100-SED02C
BG563	Sediment	04/19/2021	1	7440-36-0	Antimony	8.0	U	U	8.0	mg/kg	6100-SED02C
BG563	Sediment	04/19/2021	1	7440-38-2	Arsenic	2.1			1.3	mg/kg	6100-SED02C
BG563	Sediment	04/19/2021	1	7440-39-3	Barium	27	J	U	27	mg/kg	6100-SED02C
BG563	Sediment	04/19/2021	1	7440-41-7	Beryllium	0.16	J	J	0.67	mg/kg	6100-SED02C
BG563	Sediment	04/19/2021	1	7440-43-9	Cadmium	0.21	J	J	0.67	mg/kg	6100-SED02C
BG563	Sediment	04/19/2021	1	7440-70-2	Calcium	2000			670	mg/kg	6100-SED02C
BG563	Sediment	04/19/2021	1	7440-47-3	Chromium	13			1.3	mg/kg	6100-SED02C
BG563	Sediment	04/19/2021	1	7440-48-4	Cobalt	2.7	J	J	6.7	mg/kg	6100-SED02C
BG563	Sediment	04/19/2021	1	7440-50-8	Copper	16			3.3	mg/kg	6100-SED02C
BG563	Sediment	04/19/2021	1	7439-89-6	Iron	6500			13	mg/kg	6100-SED02C
BG563	Sediment	04/19/2021	1	7439-92-1	Lead	23	*		1.3	mg/kg	6100-SED02C
BG563	Sediment	04/19/2021	1	7439-95-4	Magnesium	2100			670	mg/kg	6100-SED02C
BG563	Sediment	04/19/2021	1	7439-96-5	Manganese	60			2.0	mg/kg	6100-SED02C
BG563	Sediment	04/19/2021	1	7440-02-0	Nickel	8.8			5.3	mg/kg	6100-SED02C
BG563	Sediment	04/19/2021	1	7440-09-7	Potassium	930			670	mg/kg	6100-SED02C
BG563	Sediment	04/19/2021	1	7782-49-2	Selenium	4.7	U	U	4.7	mg/kg	6100-SED02C
BG563	Sediment	04/19/2021	1	7440-22-4	Silver	0.30	J	J	1.3	mg/kg	6100-SED02C
BG563	Sediment	04/19/2021	1	7440-23-5	Sodium	3100			670	mg/kg	6100-SED02C
BG563	Sediment	04/19/2021	1	7440-28-0	Thallium	3.3	U	U	3.3	mg/kg	6100-SED02C
BG563	Sediment	04/19/2021	1	7440-62-2	Vanadium	9.7			6.7	mg/kg	6100-SED02C
BG563	Sediment	04/19/2021	1	7440-66-6	Zinc	60			8.0	mg/kg	6100-SED02C
BG564	Sediment	04/19/2021	1	7429-90-5	Aluminum	18000		J	46	mg/kg	6100-SED03A
BG564	Sediment	04/19/2021	1	7440-36-0	Antimony	14	U	UJ	14	mg/kg	6100-SED03A
BG564	Sediment	04/19/2021	1	7440-38-2	Arsenic	22		J	2.3	mg/kg	6100-SED03A
BG564	Sediment	04/19/2021	1	7440-39-3	Barium	190		J	46	mg/kg	6100-SED03A
BG564	Sediment	04/19/2021	1	7440-41-7	Beryllium	1.0	J	J	1.2	mg/kg	6100-SED03A
BG564	Sediment	04/19/2021	1	7440-43-9	Cadmium	5.1		J	1.2	mg/kg	6100-SED03A
BG564	Sediment	04/19/2021	1	7440-70-2	Calcium	6800		J	1200	mg/kg	6100-SED03A
BG564	Sediment	04/19/2021	1	7440-47-3	Chromium	170		J	2.3	mg/kg	6100-SED03A
BG564	Sediment	04/19/2021	1	7440-48-4	Cobalt	11	J	J	12	mg/kg	6100-SED03A
BG564	Sediment	04/19/2021	1	7440-50-8	Copper	260		J	5.8	mg/kg	6100-SED03A
BG564	Sediment	04/19/2021	1	7439-89-6	Iron	35000		J	23	mg/kg	6100-SED03A
BG564	Sediment	04/19/2021	1	7439-92-1	Lead	320	*	J	2.3	mg/kg	6100-SED03A
BG564	Sediment	04/19/2021	1	7439-95-4	Magnesium	8000		J	1200	mg/kg	6100-SED03A
BG564	Sediment	04/19/2021	1	7439-96-5	Manganese	370		J	3.5	mg/kg	6100-SED03A
BG564	Sediment	04/19/2021	1	7440-02-0	Nickel	44		J	9.2	mg/kg	6100-SED03A
BG564	Sediment	04/19/2021	1	7440-09-7	Potassium	4500		J	1200	mg/kg	6100-SED03A
BG564	Sediment	04/19/2021	1	7782-49-2	Selenium	1.4	J	J	8.1	mg/kg	6100-SED03A
BG564	Sediment	04/19/2021	1	7440-22-4	Silver	6.3		J	2.3	mg/kg	6100-SED03A
BG564	Sediment	04/19/2021	1	7440-23-5	Sodium	12000		J	1200	mg/kg	6100-SED03A
BG564	Sediment	04/19/2021	1	7440-28-0	Thallium	5.8	U	UJ	5.8	mg/kg	6100-SED03A
BG564	Sediment	04/19/2021	1	7440-62-2	Vanadium	55		J	12	mg/kg	6100-SED03A
BG564	Sediment	04/19/2021	1	7440-66-6	Zinc	500		J	14	mg/kg	6100-SED03A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG565	Sediment	04/19/2021	1	7429-90-5	Aluminum	13000		J	44	mg/kg	6100-SED03B
BG565	Sediment	04/19/2021	1	7440-36-0	Antimony	13	U	UJ	13	mg/kg	6100-SED03B
BG565	Sediment	04/19/2021	1	7440-38-2	Arsenic	17		J	2.2	mg/kg	6100-SED03B
BG565	Sediment	04/19/2021	1	7440-39-3	Barium	220		J	44	mg/kg	6100-SED03B
BG565	Sediment	04/19/2021	1	7440-41-7	Beryllium	0.71	J	J	1.1	mg/kg	6100-SED03B
BG565	Sediment	04/19/2021	1	7440-43-9	Cadmium	7.2		J	1.1	mg/kg	6100-SED03B
BG565	Sediment	04/19/2021	1	7440-70-2	Calcium	5200		J	1100	mg/kg	6100-SED03B
BG565	Sediment	04/19/2021	1	7440-47-3	Chromium	190		J	2.2	mg/kg	6100-SED03B
BG565	Sediment	04/19/2021	1	7440-48-4	Cobalt	8.5	J	J	11	mg/kg	6100-SED03B
BG565	Sediment	04/19/2021	1	7440-50-8	Copper	340		J	5.5	mg/kg	6100-SED03B
BG565	Sediment	04/19/2021	1	7439-89-6	Iron	26000		J	22	mg/kg	6100-SED03B
BG565	Sediment	04/19/2021	1	7439-92-1	Lead	450	*	J	2.2	mg/kg	6100-SED03B
BG565	Sediment	04/19/2021	1	7439-95-4	Magnesium	6000		J	1100	mg/kg	6100-SED03B
BG565	Sediment	04/19/2021	1	7439-96-5	Manganese	230		J	3.3	mg/kg	6100-SED03B
BG565	Sediment	04/19/2021	1	7440-02-0	Nickel	47		J	8.9	mg/kg	6100-SED03B
BG565	Sediment	04/19/2021	1	7440-09-7	Potassium	3000		J	1100	mg/kg	6100-SED03B
BG565	Sediment	04/19/2021	1	7782-49-2	Selenium	1.4	J	J	7.7	mg/kg	6100-SED03B
BG565	Sediment	04/19/2021	1	7440-22-4	Silver	7.9		J	2.2	mg/kg	6100-SED03B
BG565	Sediment	04/19/2021	1	7440-23-5	Sodium	11000		J	1100	mg/kg	6100-SED03B
BG565	Sediment	04/19/2021	1	7440-28-0	Thallium	5.5	U	UJ	5.5	mg/kg	6100-SED03B
BG565	Sediment	04/19/2021	1	7440-62-2	Vanadium	67		J	11	mg/kg	6100-SED03B
BG565	Sediment	04/19/2021	1	7440-66-6	Zinc	710		J	13	mg/kg	6100-SED03B
BG566	Sediment	04/19/2021	1	7429-90-5	Aluminum	19000		J	58	mg/kg	6100-SED03C
BG566	Sediment	04/19/2021	1	7440-36-0	Antimony	17	U	UJ	17	mg/kg	6100-SED03C
BG566	Sediment	04/19/2021	1	7440-38-2	Arsenic	13		J	2.9	mg/kg	6100-SED03C
BG566	Sediment	04/19/2021	1	7440-39-3	Barium	110		J	58	mg/kg	6100-SED03C
BG566	Sediment	04/19/2021	1	7440-41-7	Beryllium	0.95	J	J	1.4	mg/kg	6100-SED03C
BG566	Sediment	04/19/2021	1	7440-43-9	Cadmium	2.8		J	1.4	mg/kg	6100-SED03C
BG566	Sediment	04/19/2021	1	7440-70-2	Calcium	9400		J	1400	mg/kg	6100-SED03C
BG566	Sediment	04/19/2021	1	7440-47-3	Chromium	130		J	2.9	mg/kg	6100-SED03C
BG566	Sediment	04/19/2021	1	7440-48-4	Cobalt	12	J	J	14	mg/kg	6100-SED03C
BG566	Sediment	04/19/2021	1	7440-50-8	Copper	200		J	7.2	mg/kg	6100-SED03C
BG566	Sediment	04/19/2021	1	7439-89-6	Iron	36000		J	29	mg/kg	6100-SED03C
BG566	Sediment	04/19/2021	1	7439-92-1	Lead	240	*	J	2.9	mg/kg	6100-SED03C
BG566	Sediment	04/19/2021	1	7439-95-4	Magnesium	9900		J	1400	mg/kg	6100-SED03C
BG566	Sediment	04/19/2021	1	7439-96-5	Manganese	430		J	4.3	mg/kg	6100-SED03C
BG566	Sediment	04/19/2021	1	7440-02-0	Nickel	46		J	12	mg/kg	6100-SED03C
BG566	Sediment	04/19/2021	1	7440-09-7	Potassium	4800		J	1400	mg/kg	6100-SED03C
BG566	Sediment	04/19/2021	1	7782-49-2	Selenium	10	U	UJ	10	mg/kg	6100-SED03C
BG566	Sediment	04/19/2021	1	7440-22-4	Silver	5.7		J	2.9	mg/kg	6100-SED03C
BG566	Sediment	04/19/2021	1	7440-23-5	Sodium	17000		J	1400	mg/kg	6100-SED03C
BG566	Sediment	04/19/2021	1	7440-28-0	Thallium	7.2	U	UJ	7.2	mg/kg	6100-SED03C
BG566	Sediment	04/19/2021	1	7440-62-2	Vanadium	53		J	14	mg/kg	6100-SED03C
BG566	Sediment	04/19/2021	1	7440-66-6	Zinc	370		J	17	mg/kg	6100-SED03C
BG567	Sediment	04/19/2021	1	7429-90-5	Aluminum	4800			31	mg/kg	6100-SED04A
BG567	Sediment	04/19/2021	1	7440-36-0	Antimony	9.3	U	U	9.3	mg/kg	6100-SED04A
BG567	Sediment	04/19/2021	1	7440-38-2	Arsenic	5.4			1.5	mg/kg	6100-SED04A
BG567	Sediment	04/19/2021	1	7440-39-3	Barium	64			31	mg/kg	6100-SED04A
BG567	Sediment	04/19/2021	1	7440-41-7	Beryllium	0.28	J	J	0.77	mg/kg	6100-SED04A
BG567	Sediment	04/19/2021	1	7440-43-9	Cadmium	1.4			0.77	mg/kg	6100-SED04A
BG567	Sediment	04/19/2021	1	7440-70-2	Calcium	1500			770	mg/kg	6100-SED04A
BG567	Sediment	04/19/2021	1	7440-47-3	Chromium	43			1.5	mg/kg	6100-SED04A
BG567	Sediment	04/19/2021	1	7440-48-4	Cobalt	3.4	J	J	7.7	mg/kg	6100-SED04A
BG567	Sediment	04/19/2021	1	7440-50-8	Copper	82			3.9	mg/kg	6100-SED04A
BG567	Sediment	04/19/2021	1	7439-89-6	Iron	10000			15	mg/kg	6100-SED04A
BG567	Sediment	04/19/2021	1	7439-92-1	Lead	110	*		1.5	mg/kg	6100-SED04A
BG567	Sediment	04/19/2021	1	7439-95-4	Magnesium	2200			770	mg/kg	6100-SED04A
BG567	Sediment	04/19/2021	1	7439-96-5	Manganese	94			2.3	mg/kg	6100-SED04A
BG567	Sediment	04/19/2021	1	7440-02-0	Nickel	13			6.2	mg/kg	6100-SED04A
BG567	Sediment	04/19/2021	1	7440-09-7	Potassium	1200			770	mg/kg	6100-SED04A
BG567	Sediment	04/19/2021	1	7782-49-2	Selenium	5.4	U	U	5.4	mg/kg	6100-SED04A
BG567	Sediment	04/19/2021	1	7440-22-4	Silver	1.6			1.5	mg/kg	6100-SED04A
BG567	Sediment	04/19/2021	1	7440-23-5	Sodium	2700			770	mg/kg	6100-SED04A
BG567	Sediment	04/19/2021	1	7440-28-0	Thallium	3.9	U	U	3.9	mg/kg	6100-SED04A
BG567	Sediment	04/19/2021	1	7440-62-2	Vanadium	17			7.7	mg/kg	6100-SED04A
BG567	Sediment	04/19/2021	1	7440-66-6	Zinc	180			9.3	mg/kg	6100-SED04A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG568	Sediment	04/19/2021	1	7429-90-5	Aluminum	9700			37	mg/kg	6100-SED04B
BG568	Sediment	04/19/2021	1	7440-36-0	Antimony	11	U	U	11	mg/kg	6100-SED04B
BG568	Sediment	04/19/2021	1	7440-38-2	Arsenic	12			1.8	mg/kg	6100-SED04B
BG568	Sediment	04/19/2021	1	7440-39-3	Barium	160			37	mg/kg	6100-SED04B
BG568	Sediment	04/19/2021	1	7440-41-7	Beryllium	0.55	J	J	0.92	mg/kg	6100-SED04B
BG568	Sediment	04/19/2021	1	7440-43-9	Cadmium	5.0			0.92	mg/kg	6100-SED04B
BG568	Sediment	04/19/2021	1	7440-70-2	Calcium	3300			920	mg/kg	6100-SED04B
BG568	Sediment	04/19/2021	1	7440-47-3	Chromium	130			1.8	mg/kg	6100-SED04B
BG568	Sediment	04/19/2021	1	7440-48-4	Cobalt	6.5	J	J	9.2	mg/kg	6100-SED04B
BG568	Sediment	04/19/2021	1	7440-50-8	Copper	250			4.6	mg/kg	6100-SED04B
BG568	Sediment	04/19/2021	1	7439-89-6	Iron	23000			18	mg/kg	6100-SED04B
BG568	Sediment	04/19/2021	1	7439-92-1	Lead	400	*		1.8	mg/kg	6100-SED04B
BG568	Sediment	04/19/2021	1	7439-95-4	Magnesium	4400			920	mg/kg	6100-SED04B
BG568	Sediment	04/19/2021	1	7439-96-5	Manganese	170			2.8	mg/kg	6100-SED04B
BG568	Sediment	04/19/2021	1	7440-02-0	Nickel	35			7.3	mg/kg	6100-SED04B
BG568	Sediment	04/19/2021	1	7440-09-7	Potassium	2200			920	mg/kg	6100-SED04B
BG568	Sediment	04/19/2021	1	7782-49-2	Selenium	1.0	J	J	6.4	mg/kg	6100-SED04B
BG568	Sediment	04/19/2021	1	7440-22-4	Silver	5.3			1.8	mg/kg	6100-SED04B
BG568	Sediment	04/19/2021	1	7440-23-5	Sodium	5200			920	mg/kg	6100-SED04B
BG568	Sediment	04/19/2021	1	7440-28-0	Thallium	4.6	U	U	4.6	mg/kg	6100-SED04B
BG568	Sediment	04/19/2021	1	7440-62-2	Vanadium	45			9.2	mg/kg	6100-SED04B
BG568	Sediment	04/19/2021	1	7440-66-6	Zinc	550			11	mg/kg	6100-SED04B
BG569	Sediment	04/19/2021	1	7429-90-5	Aluminum	18000		J	58	mg/kg	6100-SED04C
BG569	Sediment	04/19/2021	1	7440-36-0	Antimony	17	U	UJ	17	mg/kg	6100-SED04C
BG569	Sediment	04/19/2021	1	7440-38-2	Arsenic	14		J	2.9	mg/kg	6100-SED04C
BG569	Sediment	04/19/2021	1	7440-39-3	Barium	130		J	58	mg/kg	6100-SED04C
BG569	Sediment	04/19/2021	1	7440-41-7	Beryllium	0.92	J	J	1.4	mg/kg	6100-SED04C
BG569	Sediment	04/19/2021	1	7440-43-9	Cadmium	5.4		J	1.4	mg/kg	6100-SED04C
BG569	Sediment	04/19/2021	1	7440-70-2	Calcium	7500		J	1400	mg/kg	6100-SED04C
BG569	Sediment	04/19/2021	1	7440-47-3	Chromium	160		J	2.9	mg/kg	6100-SED04C
BG569	Sediment	04/19/2021	1	7440-48-4	Cobalt	12	J	J	14	mg/kg	6100-SED04C
BG569	Sediment	04/19/2021	1	7440-50-8	Copper	300		J	7.2	mg/kg	6100-SED04C
BG569	Sediment	04/19/2021	1	7439-89-6	Iron	35000		J	29	mg/kg	6100-SED04C
BG569	Sediment	04/19/2021	1	7439-92-1	Lead	390	*	J	2.9	mg/kg	6100-SED04C
BG569	Sediment	04/19/2021	1	7439-95-4	Magnesium	9000		J	1400	mg/kg	6100-SED04C
BG569	Sediment	04/19/2021	1	7439-96-5	Manganese	360		J	4.3	mg/kg	6100-SED04C
BG569	Sediment	04/19/2021	1	7440-02-0	Nickel	51		J	12	mg/kg	6100-SED04C
BG569	Sediment	04/19/2021	1	7440-09-7	Potassium	4700		J	1400	mg/kg	6100-SED04C
BG569	Sediment	04/19/2021	1	7782-49-2	Selenium	10	U	UJ	10	mg/kg	6100-SED04C
BG569	Sediment	04/19/2021	1	7440-22-4	Silver	6.8		J	2.9	mg/kg	6100-SED04C
BG569	Sediment	04/19/2021	1	7440-23-5	Sodium	16000		J	1400	mg/kg	6100-SED04C
BG569	Sediment	04/19/2021	1	7440-28-0	Thallium	7.2	U	UJ	7.2	mg/kg	6100-SED04C
BG569	Sediment	04/19/2021	1	7440-62-2	Vanadium	56		J	14	mg/kg	6100-SED04C
BG569	Sediment	04/19/2021	1	7440-66-6	Zinc	570		J	17	mg/kg	6100-SED04C
BG570	Sediment	04/19/2021	1	7429-90-5	Aluminum	17000		J	50	mg/kg	6100-SED05A
BG570	Sediment	04/19/2021	1	7440-36-0	Antimony	15	U	UJ	15	mg/kg	6100-SED05A
BG570	Sediment	04/19/2021	1	7440-38-2	Arsenic	25		J	2.5	mg/kg	6100-SED05A
BG570	Sediment	04/19/2021	1	7440-39-3	Barium	320		J	50	mg/kg	6100-SED05A
BG570	Sediment	04/19/2021	1	7440-41-7	Beryllium	0.83	J	J	1.2	mg/kg	6100-SED05A
BG570	Sediment	04/19/2021	1	7440-43-9	Cadmium	15		J	1.2	mg/kg	6100-SED05A
BG570	Sediment	04/19/2021	1	7440-70-2	Calcium	8300		J	1200	mg/kg	6100-SED05A
BG570	Sediment	04/19/2021	1	7440-47-3	Chromium	230		J	2.5	mg/kg	6100-SED05A
BG570	Sediment	04/19/2021	1	7440-48-4	Cobalt	11	J	J	12	mg/kg	6100-SED05A
BG570	Sediment	04/19/2021	1	7440-50-8	Copper	670		J	6.2	mg/kg	6100-SED05A
BG570	Sediment	04/19/2021	1	7439-89-6	Iron	35000		J	25	mg/kg	6100-SED05A
BG570	Sediment	04/19/2021	1	7439-92-1	Lead	1000	*	J	2.5	mg/kg	6100-SED05A
BG570	Sediment	04/19/2021	1	7439-95-4	Magnesium	8000		J	1200	mg/kg	6100-SED05A
BG570	Sediment	04/19/2021	1	7439-96-5	Manganese	270		J	3.7	mg/kg	6100-SED05A
BG570	Sediment	04/19/2021	1	7440-02-0	Nickel	84		J	10	mg/kg	6100-SED05A
BG570	Sediment	04/19/2021	1	7440-09-7	Potassium	3700		J	1200	mg/kg	6100-SED05A
BG570	Sediment	04/19/2021	1	7782-49-2	Selenium	1.5	J	J	8.7	mg/kg	6100-SED05A
BG570	Sediment	04/19/2021	1	7440-22-4	Silver	10		J	2.5	mg/kg	6100-SED05A
BG570	Sediment	04/19/2021	1	7440-23-5	Sodium	14000		J	1200	mg/kg	6100-SED05A
BG570	Sediment	04/19/2021	1	7440-28-0	Thallium	6.2	U	UJ	6.2	mg/kg	6100-SED05A
BG570	Sediment	04/19/2021	1	7440-62-2	Vanadium	130		J	12	mg/kg	6100-SED05A
BG570	Sediment	04/19/2021	1	7440-66-6	Zinc	1400		J	15	mg/kg	6100-SED05A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG571	Sediment	04/19/2021	1	7429-90-5	Aluminum	18000		J	60	mg/kg	6100-SED05B
BG571	Sediment	04/19/2021	1	7440-36-0	Antimony	18	U	UJ	18	mg/kg	6100-SED05B
BG571	Sediment	04/19/2021	1	7440-38-2	Arsenic	20		J	3.0	mg/kg	6100-SED05B
BG571	Sediment	04/19/2021	1	7440-39-3	Barium	230		J	60	mg/kg	6100-SED05B
BG571	Sediment	04/19/2021	1	7440-41-7	Beryllium	0.92	J	J	1.5	mg/kg	6100-SED05B
BG571	Sediment	04/19/2021	1	7440-43-9	Cadmium	11		J	1.5	mg/kg	6100-SED05B
BG571	Sediment	04/19/2021	1	7440-70-2	Calcium	9500		J	1500	mg/kg	6100-SED05B
BG571	Sediment	04/19/2021	1	7440-47-3	Chromium	290		J	3.0	mg/kg	6100-SED05B
BG571	Sediment	04/19/2021	1	7440-48-4	Cobalt	12	J	J	15	mg/kg	6100-SED05B
BG571	Sediment	04/19/2021	1	7440-50-8	Copper	580		J	7.4	mg/kg	6100-SED05B
BG571	Sediment	04/19/2021	1	7439-89-6	Iron	37000		J	30	mg/kg	6100-SED05B
BG571	Sediment	04/19/2021	1	7439-92-1	Lead	930	*	J	3.0	mg/kg	6100-SED05B
BG571	Sediment	04/19/2021	1	7439-95-4	Magnesium	9000		J	1500	mg/kg	6100-SED05B
BG571	Sediment	04/19/2021	1	7439-96-5	Manganese	320		J	4.5	mg/kg	6100-SED05B
BG571	Sediment	04/19/2021	1	7440-02-0	Nickel	74		J	12	mg/kg	6100-SED05B
BG571	Sediment	04/19/2021	1	7440-09-7	Potassium	4400		J	1500	mg/kg	6100-SED05B
BG571	Sediment	04/19/2021	1	7782-49-2	Selenium	1.8	J	J	10	mg/kg	6100-SED05B
BG571	Sediment	04/19/2021	1	7440-22-4	Silver	11		J	3.0	mg/kg	6100-SED05B
BG571	Sediment	04/19/2021	1	7440-23-5	Sodium	18000		J	1500	mg/kg	6100-SED05B
BG571	Sediment	04/19/2021	1	7440-28-0	Thallium	7.4	U	UJ	7.4	mg/kg	6100-SED05B
BG571	Sediment	04/19/2021	1	7440-62-2	Vanadium	100		J	15	mg/kg	6100-SED05B
BG571	Sediment	04/19/2021	1	7440-66-6	Zinc	910		J	18	mg/kg	6100-SED05B
BG572	Sediment	04/19/2021	1	7429-90-5	Aluminum	19000		J	58	mg/kg	6100-SED05C
BG572	Sediment	04/19/2021	1	7440-36-0	Antimony	17	U	UJ	17	mg/kg	6100-SED05C
BG572	Sediment	04/19/2021	1	7440-38-2	Arsenic	12		J	2.9	mg/kg	6100-SED05C
BG572	Sediment	04/19/2021	1	7440-39-3	Barium	110		J	58	mg/kg	6100-SED05C
BG572	Sediment	04/19/2021	1	7440-41-7	Beryllium	0.98	J	J	1.5	mg/kg	6100-SED05C
BG572	Sediment	04/19/2021	1	7440-43-9	Cadmium	2.7		J	1.5	mg/kg	6100-SED05C
BG572	Sediment	04/19/2021	1	7440-70-2	Calcium	9300		J	1500	mg/kg	6100-SED05C
BG572	Sediment	04/19/2021	1	7440-47-3	Chromium	94		J	2.9	mg/kg	6100-SED05C
BG572	Sediment	04/19/2021	1	7440-48-4	Cobalt	13	J	J	15	mg/kg	6100-SED05C
BG572	Sediment	04/19/2021	1	7440-50-8	Copper	200		J	7.3	mg/kg	6100-SED05C
BG572	Sediment	04/19/2021	1	7439-89-6	Iron	36000		J	29	mg/kg	6100-SED05C
BG572	Sediment	04/19/2021	1	7439-92-1	Lead	270	*	J	2.9	mg/kg	6100-SED05C
BG572	Sediment	04/19/2021	1	7439-95-4	Magnesium	10000		J	1500	mg/kg	6100-SED05C
BG572	Sediment	04/19/2021	1	7439-96-5	Manganese	360		J	4.4	mg/kg	6100-SED05C
BG572	Sediment	04/19/2021	1	7440-02-0	Nickel	47		J	12	mg/kg	6100-SED05C
BG572	Sediment	04/19/2021	1	7440-09-7	Potassium	4900		J	1500	mg/kg	6100-SED05C
BG572	Sediment	04/19/2021	1	7782-49-2	Selenium	10	U	UJ	10	mg/kg	6100-SED05C
BG572	Sediment	04/19/2021	1	7440-22-4	Silver	4.1		J	2.9	mg/kg	6100-SED05C
BG572	Sediment	04/19/2021	1	7440-23-5	Sodium	18000		J	1500	mg/kg	6100-SED05C
BG572	Sediment	04/19/2021	1	7440-28-0	Thallium	7.3	U	UJ	7.3	mg/kg	6100-SED05C
BG572	Sediment	04/19/2021	1	7440-62-2	Vanadium	56		J	15	mg/kg	6100-SED05C
BG572	Sediment	04/19/2021	1	7440-66-6	Zinc	500		J	17	mg/kg	6100-SED05C
LCS01		04/29/2021	1	7429-90-5	Aluminum	39			20	mg/kg	
LCS01		04/29/2021	1	7440-36-0	Antimony	12			6.0	mg/kg	
LCS01		04/29/2021	1	7440-38-2	Arsenic	1.6			1.0	mg/kg	
LCS01		04/29/2021	1	7440-39-3	Barium	39			20	mg/kg	
LCS01		04/29/2021	1	7440-41-7	Beryllium	0.95			0.50	mg/kg	
LCS01		04/29/2021	1	7440-43-9	Cadmium	0.98			0.50	mg/kg	
LCS01		04/29/2021	1	7440-70-2	Calcium	990			500	mg/kg	
LCS01		04/29/2021	1	7440-47-3	Chromium	2.1			1.0	mg/kg	
LCS01		04/29/2021	1	7440-48-4	Cobalt	10			5.0	mg/kg	
LCS01		04/29/2021	1	7440-50-8	Copper	4.7			2.5	mg/kg	
LCS01		04/29/2021	1	7439-89-6	Iron	19			10	mg/kg	
LCS01		04/29/2021	1	7439-92-1	Lead	2.0			1.0	mg/kg	
LCS01		04/29/2021	1	7439-95-4	Magnesium	920			500	mg/kg	
LCS01		04/29/2021	1	7439-96-5	Manganese	3.0			1.5	mg/kg	
LCS01		04/29/2021	1	7440-02-0	Nickel	8.0			4.0	mg/kg	
LCS01		04/29/2021	1	7440-09-7	Potassium	920			500	mg/kg	
LCS01		04/29/2021	1	7782-49-2	Selenium	6.3			3.5	mg/kg	
LCS01		04/29/2021	1	7440-22-4	Silver	1.8			1.0	mg/kg	
LCS01		04/29/2021	1	7440-23-5	Sodium	930			500	mg/kg	
LCS01		04/29/2021	1	7440-28-0	Thallium	4.5			2.5	mg/kg	
LCS01		04/29/2021	1	7440-62-2	Vanadium	9.6			5.0	mg/kg	
LCS01		04/29/2021	1	7440-66-6	Zinc	11			6.0	mg/kg	

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG558S	Sediment	04/19/2021	1	7440-36-0	Antimony	18			7.3	mg/kg	6100-SED01A
BG558S	Sediment	04/19/2021	1	7440-38-2	Arsenic	8.9			1.2	mg/kg	6100-SED01A
BG558S	Sediment	04/19/2021	1	7440-39-3	Barium	470			24	mg/kg	6100-SED01A
BG558S	Sediment	04/19/2021	1	7440-41-7	Beryllium	11			0.60	mg/kg	6100-SED01A
BG558S	Sediment	04/19/2021	1	7440-43-9	Cadmium	11			0.60	mg/kg	6100-SED01A
BG558S	Sediment	04/19/2021	1	7440-47-3	Chromium	52			1.2	mg/kg	6100-SED01A
BG558S	Sediment	04/19/2021	1	7440-48-4	Cobalt	120			6.0	mg/kg	6100-SED01A
BG558S	Sediment	04/19/2021	1	7440-50-8	Copper	56			3.0	mg/kg	6100-SED01A
BG558S	Sediment	04/19/2021	1	7439-92-1	Lead	11	*		1.2	mg/kg	6100-SED01A
BG558S	Sediment	04/19/2021	1	7439-96-5	Manganese	140			1.8	mg/kg	6100-SED01A
BG558S	Sediment	04/19/2021	1	7440-02-0	Nickel	120			4.8	mg/kg	6100-SED01A
BG558S	Sediment	04/19/2021	1	7782-49-2	Selenium	20			4.2	mg/kg	6100-SED01A
BG558S	Sediment	04/19/2021	1	7440-22-4	Silver	11			1.2	mg/kg	6100-SED01A
BG558S	Sediment	04/19/2021	1	7440-28-0	Thallium	11			3.0	mg/kg	6100-SED01A
BG558S	Sediment	04/19/2021	1	7440-62-2	Vanadium	120			6.0	mg/kg	6100-SED01A
BG558S	Sediment	04/19/2021	1	7440-66-6	Zinc	130			7.3	mg/kg	6100-SED01A
PBS01		04/29/2021	1	7429-90-5	Aluminum	3.2	J	J	20	mg/kg	
PBS01		04/29/2021	1	7440-36-0	Antimony	6.0	U	U	6.0	mg/kg	
PBS01		04/29/2021	1	7440-38-2	Arsenic	1.0	U	U	1.0	mg/kg	
PBS01		04/29/2021	1	7440-39-3	Barium	20	U	U	20	mg/kg	
PBS01		04/29/2021	1	7440-41-7	Beryllium	0.50	U	U	0.50	mg/kg	
PBS01		04/29/2021	1	7440-43-9	Cadmium	0.50	U	U	0.50	mg/kg	
PBS01		04/29/2021	1	7440-70-2	Calcium	9.1	J	J	500	mg/kg	
PBS01		04/29/2021	1	7440-47-3	Chromium	1.0	U	U	1.0	mg/kg	
PBS01		04/29/2021	1	7440-48-4	Cobalt	5.0	U	U	5.0	mg/kg	
PBS01		04/29/2021	1	7440-50-8	Copper	2.5	U	U	2.5	mg/kg	
PBS01		04/29/2021	1	7439-89-6	Iron	10	U	U	10	mg/kg	
PBS01		04/29/2021	1	7439-92-1	Lead	1.0	U	U	1.0	mg/kg	
PBS01		04/29/2021	1	7439-95-4	Magnesium	500	U	U	500	mg/kg	
PBS01		04/29/2021	1	7439-96-5	Manganese	1.5	U	U	1.5	mg/kg	
PBS01		04/29/2021	1	7440-02-0	Nickel	4.0	U	U	4.0	mg/kg	
PBS01		04/29/2021	1	7440-09-7	Potassium	500	U	U	500	mg/kg	
PBS01		04/29/2021	1	7782-49-2	Selenium	3.5	U	U	3.5	mg/kg	
PBS01		04/29/2021	1	7440-22-4	Silver	1.0	U	U	1.0	mg/kg	
PBS01		04/29/2021	1	7440-23-5	Sodium	500	U	U	500	mg/kg	
PBS01		04/29/2021	1	7440-28-0	Thallium	2.5	U	U	2.5	mg/kg	
PBS01		04/29/2021	1	7440-62-2	Vanadium	5.0	U	U	5.0	mg/kg	
PBS01		04/29/2021	1	7440-66-6	Zinc	6.0	U	U	6.0	mg/kg	
BG558A	Sediment	04/19/2021	1	7439-92-1	Lead	11			1.2	mg/kg	6100-SED01A
BG558D	Sediment	04/19/2021	1	7439-97-6	Mercury	0.12	U	UJ	0.12	mg/kg	6100-SED01A
BG4Z8		04/15/2021	1	7439-97-6	Mercury	0.40		J-	0.29	mg/kg	6100-SED21A
BG558	Sediment	04/19/2021	1	7439-97-6	Mercury	0.12	U	UJ	0.12	mg/kg	6100-SED01A
BG559	Sediment	04/19/2021	1	7439-97-6	Mercury	0.11	U	UJ	0.11	mg/kg	6100-SED01B
BG560	Sediment	04/19/2021	1	7439-97-6	Mercury	0.12	U	UJ	0.12	mg/kg	6100-SED01C
BG561	Sediment	04/19/2021	3	7439-97-6	Mercury	4.0	D	J-	0.58	mg/kg	6100-SED02A
BG562	Sediment	04/19/2021	2	7439-97-6	Mercury	2.2	D	J-	0.32	mg/kg	6100-SED02B
BG563	Sediment	04/19/2021	1	7439-97-6	Mercury	0.085	J	J-	0.13	mg/kg	6100-SED02C
BG564	Sediment	04/19/2021	3	7439-97-6	Mercury	4.0	D	J-	0.66	mg/kg	6100-SED03A
BG565	Sediment	04/19/2021	2	7439-97-6	Mercury	3.7	D	J-	0.45	mg/kg	6100-SED03B
BG566	Sediment	04/19/2021	1	7439-97-6	Mercury	2.5		J-	0.30	mg/kg	6100-SED03C
BG567	Sediment	04/19/2021	1	7439-97-6	Mercury	1.1		J-	0.15	mg/kg	6100-SED04A
BG568	Sediment	04/19/2021	3	7439-97-6	Mercury	3.0	D	J-	0.52	mg/kg	6100-SED04B
BG569	Sediment	04/19/2021	1	7439-97-6	Mercury	1.8		J-	0.30	mg/kg	6100-SED04C
BG570	Sediment	04/19/2021	3	7439-97-6	Mercury	5.5	D	J-	0.75	mg/kg	6100-SED05A
BG571	Sediment	04/19/2021	3	7439-97-6	Mercury	5.5	D	J-	0.88	mg/kg	6100-SED05B
BG572	Sediment	04/19/2021	1	7439-97-6	Mercury	1.3		J-	0.31	mg/kg	6100-SED05C
BG558S	Sediment	04/19/2021	1	7439-97-6	Mercury	0.68		J-	0.12	mg/kg	6100-SED01A
PBS01		04/23/2021	1	7439-97-6	Mercury	-0.013	J	J-	0.10	mg/kg	
BG558D	Sediment	04/19/2021	1	57-12-5	Cyanide	0.60	U	U	0.60	mg/kg	6100-SED01A
BG4Z8		04/15/2021	1	57-12-5	Cyanide	1.4	U	R	1.4	mg/kg	6100-SED21A
BG558	Sediment	04/19/2021	1	57-12-5	Cyanide	0.60	U	U	0.60	mg/kg	6100-SED01A
BG559	Sediment	04/19/2021	1	57-12-5	Cyanide	0.61	U	U	0.61	mg/kg	6100-SED01B
BG560	Sediment	04/19/2021	1	57-12-5	Cyanide	0.59	J	U	0.59	mg/kg	6100-SED01C
BG561	Sediment	04/19/2021	1	57-12-5	Cyanide	0.92	U	U	0.92	mg/kg	6100-SED02A
BG562	Sediment	04/19/2021	1	57-12-5	Cyanide	0.83	J	U	0.83	mg/kg	6100-SED02B
BG563	Sediment	04/19/2021	1	57-12-5	Cyanide	0.63	J	U	0.63	mg/kg	6100-SED02C

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG564	Sediment	04/19/2021	1	57-12-5	Cyanide	1.1	J	UJ	1.1	mg/kg	6100-SED03A
BG565	Sediment	04/19/2021	1	57-12-5	Cyanide	1.1	U	UJ	1.1	mg/kg	6100-SED03B
BG566	Sediment	04/19/2021	1	57-12-5	Cyanide	1.5		J	1.4	mg/kg	6100-SED03C
BG567	Sediment	04/19/2021	1	57-12-5	Cyanide	0.77	U	U	0.77	mg/kg	6100-SED04A
BG568	Sediment	04/19/2021	1	57-12-5	Cyanide	0.92	U	U	0.92	mg/kg	6100-SED04B
BG569	Sediment	04/19/2021	1	57-12-5	Cyanide	1.5	U	UJ	1.5	mg/kg	6100-SED04C
BG570	Sediment	04/19/2021	1	57-12-5	Cyanide	5.5		J	1.2	mg/kg	6100-SED05A
BG571	Sediment	04/19/2021	1	57-12-5	Cyanide	1.5	U	UJ	1.5	mg/kg	6100-SED05B
BG572	Sediment	04/19/2021	1	57-12-5	Cyanide	1.5	U	UJ	1.5	mg/kg	6100-SED05C
BG558S	Sediment	04/19/2021	1	57-12-5	Cyanide	4.9			0.60	mg/kg	6100-SED01A
PBS01		04/26/2021	1	57-12-5	Cyanide	0.50	U	U	0.50	mg/kg	
PBS02		04/28/2021	1	57-12-5	Cyanide	0.50	U	U	0.50	mg/kg	

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
LSASD/HWSB/HWSS
2890 Woodbridge Avenue, Edison, NJ 08837

EXECUTIVE NARRATIVE

Case No.:49391
Site: Coney Island Creek
Number of Samples: 16 (Sediment)
Analysis: Metals (ICP-AES), Hg and Cyanide

SDG No.: BG501
Laboratory: Bonner Analytical Testing Co.
Sampling dates: 4/20/2021
Validation SOP: HW-3a and -3c (Rev 1)

QAPP
Contractor: Weston Solutions, Inc.
Reference: DCN: SAT-V.6102.0022, April 1, 2021

SUMMARY OF DEFINITIONS:

Critical: Results have an unacceptable level of uncertainty and should not be used for making decisions. Data have been qualified "R" rejected.
Major: A level of uncertainty exists that may not meet the data quality objectives for the project. A bias is likely to be present in the results. Data has been qualified "J" estimated. "J+" and "J-" represent likely direction of the bias.
Minor: The level of uncertainty is acceptable. No significant bias in the data was observed.

Critical Findings:
None

Major Findings:
Samples BG501, BG502, BG503, BG504, BG505, BG506, BG507, BG508, BG509, BG510, BG511, BG512, BG513, BG573, BG574 and BG575 have analytes that have been qualified J, J+ or J-.

Minor Findings:
"-M" is appended to all deliverable files of this SDG only to flag that the data are Inorganic. One or more analytes in one or more samples are qualified "J" due to results between MDL and CRQL.

COMMENT: Per request in ARF, summary reports were created using RSL-Industrial soil.

Reviewer Name(s): Dharmesh Patel

Approver's Signature: **Date: 06/03/2021**

Name: Russell Arnone

Affiliation: USEPA/R2/HWSB/HWSS

Data Qualifier Definitions (National Functional Guidelines)			
Qualifier Symbol	**Explanation**		
	INORGANICS	**ORGANICS**	**CHLORINATED DIOXIN/FURAN**
U	The analyte was analyzed for, but was not detected above the level of the reported quantitation limit.	The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted Contract Required Quantitation Limit (CRQL) for sample and method	The analyte was analyzed for but not detected. The value preceding the "U" may represent the adjusted Contract Required Quantitation Limit (see DLM02.X, Exhibit D, Section 1.2 and Table 2), or the sample specific estimated detection limit (EDL, see Method 8290A, Section 11.9.5).
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to an issue with the quality of the data generated because certain QC criteria were not met, or the concentration of the analyte was below the adjusted CRQL).
J+	The result is an estimated quantity, but the result may be biased high.	The result is an estimated quantity, but the result may be biased high.	
J–	The result is an estimated quantity, but the result may be biased low.	The result is an estimated quantity, but the result may be biased low.	
UJ	The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.	The analyte was not detected at a level greater than or equal to the adjusted CRQL. However, the reported adjusted CRQL is approximate and may be inaccurate or imprecise.	The analyte was not detected (see definition of "U" flag, above). The reported value should be considered approximate.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
N		The analysis indicates the presence of an analyte for which there is presumptive evidence to make a “tentative identification”.	
NJ		The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	
C		This qualifier applies to pesticide and Aroclor results when the identification has been confirmed by Gas Chromatograph/Mass Spectrometer (GC/MS).	
X		This qualifier applies to pesticide and Aroclor results when GC/MS analysis was attempted but was unsuccessful.	

DATA ASSESSMENT

ANALYSIS: METALS ICP-AES

The current SOP HW-3a (Rev 1) September 2016, USEPA Region II for the evaluation of ICP-AES metals data, and all related Change Request Forms (CRF) for this SOP, generated through Statement of Work SFAM01.1, and any future editorial revisions of SFAM01.1 has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi- Automated Screening Results Report.

1. HOLDING TIME AND PRESERVATION

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time or pH (aqueous samples are not within the acceptable range, the data may not be valid. Those analytes detected in the samples whose holding time (180 days) or pH (≤2) have not been met, will be qualified as estimated, "J"; the non-detects will be flagged as unusable, "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. CALIBRATION

Method requirements for satisfactory instrument calibration are established to ensure that the instrument is capable of producing acceptable quantitative data for the metals on the Inorganic Target Analyte List (TAL). Initial Calibration Verification (ICV) demonstrates that the instrument is capable of acceptable performance at the beginning of the analytical run. Continuing Calibration Verification (CCV) demonstrates that the initial calibration is still valid by checking the performance of the instrument on a continuing basis.

A) INITIAL CALIBRATION

A blank and at least five calibration standards shall be used to establish each analytical curve. At least one of these standards shall be at or below the CRQL. The calibration curve shall be fitted using linear regression or weighted linear regression. The curve may be forced through zero. The curve must have a correlation coefficient ≥ 0.995. The percent differences calculated for all of the non-zero standards must be within ±30% of the true value of the standard. The y-intercept of the curve must be less than the CRQL. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) INITIAL AND CONTINUING CALIBRATION VERIFICATION

Immediately after each system has been calibrated, the accuracy of the initial calibration must be verified and documented for each target analyte by the analysis of an ICV solution(s).
The CCV standard shall be analyzed at a frequency of every two hours during an analytical run. The CCV standard shall also be analyzed at the beginning of the run, and again after the last analytical sample. The percent recovery acceptable limits for ICV/CCV are 90 – 110%. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

3. BLANK CONTAMINATION

Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Calibration blanks (ICB and CCB) are used to ensure a stable instrument baseline before and during the analysis of analytical samples. The preparation blank is used to assess the level of contamination introduced to the analytical samples throughout the sample preparation process. Field and rinse blanks measure cross-contamination of samples during field operations. Qualifications were applied to the samples and analytes as shown below.

The following samples have analyte results less than CRQLs. The associated CCB analyte results are less than CRQLs. Detects are qualified as U. Sample results are reported at CRQLs.

Barium BG501, BG502, BG503, BG504, BG505, BG506, BG510, BG513, BG573, BG574, BG575
Beryllium BG501, BG502, BG503, BG504, BG505, BG506, BG508, BG509, BG510, BG512, BG513, BG573, BG574, BG575
Calcium BG504, BG573, BG574, BG575
Magnesium BG575

Field Blank: BG547

The following sample has analyte results less than CRQLs. The associated Field Blank analyte results are less than CRQLs. Detects are qualified as U. Sample results are reported at CRQLs.

Sodium BG504

4. **INTERFERENCE CHECK SAMPLE**

The Interference Check Sample (ICS) verifies the analytical instrument's ability to overcome interferences typical of those found in samples. The laboratory should have analyzed and reported ICS results for all elements being reported from the analytical run and for all interferents (target and non-target) for these reported elements. The ICS consists of two solutions: Solution A and Solution AB. Solution A consists of the interferents, and Solution AB consists of the analytes mixed with the interferents. Results for the analysis of ICS Solution must fall within the control limits of ± 20% or ±CRQL (whichever is greater) of the true value for the analytes and interferents included in the solution. If results that are ≥ MDL are observed for analytes that are not present in the ICS solution, the possibility of false positives exists. If negative results are observed for analytes that are not present in the ICS solution, and their absolute value is ≥ MDL, the possibility of false negatives in the samples exists. In general, ICP sample data can be accepted if the concentrations of Al, Ca, Fe, and Mg in the sample are found to be less than or equal to their respective concentrations in the ICS. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

5. SPIKE SAMPLE ANALYSIS

The spiked sample analysis is designed to provide information about the effect of each sample matrix on the sample preparation procedures and the measurement methodology. The spike Percent Recovery (%R) shall be within the established acceptance limits of 75 – 125%. However, spike recovery limits do not apply when the sample concentration is ≥ 4x the spike added. For a matrix spike analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the matrix spike sample.

The following sample has matrix spike recovery in the range of 30 – 74% and the post digestion spike sample has percent recovery greater than or equal to 75%. Detects are qualified as J. Nondetects are qualified as UJ.

Antimony BG502

6. DUPLICATE SAMPLE ANALYSIS

The objective of duplicate sample analysis is to demonstrate acceptable method precision by the laboratory at the time of analysis. A control limit of 35% for the Relative Percent Difference (RPD) shall be used for original and duplicate sample values ≥ five times (5x) the Contract Required Quantitation Limit (CRQL). A control limit of the CRQL shall be used if either the sample or duplicate value is < 5x the CRQL. For a duplicate sample analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the duplicate sample.

No problems were found for this criterion.

7. FIELD DUPLICATE: BG510/ BG13

Field duplicates may be taken and analyzed as an indication of overall precision. These analyses measure both field and laboratory precision. A control limit of 50% for the Relative Percent Difference (RPD) shall be used for original and duplicate sample values ≥ five times (5x) the Contract Required Quantitation Limit (CRQL). A control limit of 2x the CRQL shall be used if either the sample or duplicate value is < 5x the CRQL. For field duplicates analysis that does not meet the technical criteria, the action was applied to only the field sample and it's duplicate.

No problems were found for this criterion.

8. LABORATORY CONTROL SAMPLE

The Laboratory Control Sample (LCS) serves as a monitor of the overall performance of each step during the analysis, including the sample preparation. Aqueous/water, soil/sediment, wipe, and filter LCSs shall be analyzed for each analyte utilizing the same sample preparations, analytical methods, and Quality Assurance/Quality Control (QA/QC) procedures as employed for the samples. All LCS Percent Recoveries (%R) must fall within the control limits of 70-130%, except for Sb and Ag which must fall within the control limits of 50-150%. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

9. ICP SERIAL DILUTION

The serial dilution of samples quantitated by Inductively Coupled Plasma determines whether or not significant physical or chemical interferences exist due to sample matrix. If the analyte concentration is sufficiently high [concentration in the original sample is > 50 times (50x) the Method Detection Limit (MDL)], the Percent Difference (%D) between the original determination and the serial dilution analysis (a five-fold dilution) after correction for dilution shall be less than 15. For a serial dilution analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the serial dilution sample.

No problems were found for this criterion.

10. PERCENT SOLIDS

The laboratory is required to perform the percent solids determination prior to sample preparation and analysis. All results of a sample with percent solids less than 50% are qualified estimated, "J". Qualifications were applied to the samples and analytes as shown below.

The following sediment samples have percent solids less than 50%. Detects are qualified as J. Nondetects are qualified as UJ.

BG501, BG502, BG503, BG509, BG512

ANALYSIS: MERCURY

The current SOP HW-3c (Rev 1) September 2016, USEPA Region II for the evaluation of Mercury data, and all related Change Request Forms (CRF) for this SOP, generated through Statement of Work SFAM01.1, and any future editorial revisions of SFAM01.1 has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report.

1. HOLDING TIME AND PRESERVATION

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time, pH (aqueous samples), or cooler temperature are not within the acceptable range, the data may not be valid. Those analytes detected in the samples whose holding time (28 days) and pH (≤2) have not been met, will be qualified as estimated, "J"; the non-detects (sample quantitation limits) will be flagged as unusable, "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. CALIBRATION

Method requirements for satisfactory instrument calibration are established to ensure that the instrument is capable of producing acceptable quantitative data for mercury. Initial Calibration Verification (ICV) demonstrates that the instrument is capable of acceptable performance at the beginning of the analytical run. Continuing Calibration Verification (CCV) demonstrates that the initial calibration is still valid by checking the performance of the instrument on a continuing basis.

A) INITIAL CALIBRATION

A blank and at least five calibration standards shall be employed to establish the analytical curve. At least one of the calibration standards shall be at or below the Contract Required Quantitation Limit (CRQL). The calibration curve shall be fitted using linear regression or weighted linear regression. The curve may be forced through zero. The calibration curves for mercury shall possess a correlation coefficient of ≥ 0.995 to ensure the linearity over the calibrated range. The percent differences calculated for all of the non-zero standards must fall within ±30% of the true value of the standard. The y-intercept of the curve must be less than the CRQL. All sample results shall be reported from an analysis within the calibrated range. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) INITIAL AND CONTINUING CALIBRATION VERIFICATION

Immediately after each system has been calibrated, the accuracy of the initial calibration must be verified and documented for mercury by the analysis of an ICV solution(s). The CCV standard shall be analyzed at a frequency of every hour during an analytical run. The CCV standard shall also be analyzed at the beginning of the run, and again after the last analytical sample. The percent recovery acceptable limits for ICV/CCV are 85 – 115%. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

3. BLANK CONTAMINATION

Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure cross-contamination of samples during field operations. Qualifications were applied to the samples and analytes as shown below.

The following samples are associated with ICB that has analyte results less than or equal to (-MDLs) but greater than (-CRQLs). Detects are qualified as estimated J-. Nondetects are qualified as estimated UJ.

Mercury BG501, BG502, BG503, BG504, BG505, BG506, BG507, BG508, BG509, BG510, BG511, BG512, BG513, BG573, BG574, BG575

The following samples are associated with CCB that has analyte results less than or equal to (-MDLs) but greater than (-CRQLs). Detects are qualified as estimated J-. Nondetects are qualified as estimated UJ.

Mercury BG501, BG502, BG503, BG504, BG505, BG506, BG507, BG508, BG509, BG510, BG511, BG512, BG513, BG573, BG574, BG575

The following samples are associated with preparation blank (PB) that has analyte results less than or equal to (-MDL) but greater than (-CRQL). Detects are qualified as estimated J-. Nondetects are qualified as estimated UJ.

Mercury BG501, BG502, BG503, BG504, BG505, BG506, BG507, BG508, BG509, BG510, BG511, BG512, BG513, BG573, BG574, BG575

Field Blank: BG547

No problems were found for this criterion.

4. SPIKE SAMPLE ANALYSIS

The spiked sample analysis is designed to provide information about the effect of each sample matrix on the sample preparation procedures and the measurement methodology. The spike Percent Recovery (%R) shall be within the established acceptance limits of 75 – 125%. However, spike recovery limits do not apply when the sample concentration is ≥ 4x the spike added. For a matrix spike analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the matrix spike sample.

No problems were found for this criterion.

5. DUPLICATE SAMPLE ANALYSIS

The objective of duplicate sample analysis is to demonstrate acceptable method precision by the laboratory at the time of analysis. A control limit of 35% for the Relative Percent Difference (RPD) shall be used for original and duplicate sample values ≥ five times (5x) the Contract Required Quantitation Limit (CRQL). A control limit of the CRQL shall be used if either the sample or duplicate value is < 5x the CRQL. For a duplicate sample analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the duplicate sample.

No problems were found for this criterion.

6. FIELD DUPLICATE: BG510/ BG513

Field duplicates may be taken and analyzed as an indication of overall precision. These analyses measure both field and laboratory precision. A control limit of 20% for the Relative Percent Difference (RPD) shall be used for original and duplicate sample values ≥ five times (5x) the Contract Required Quantitation Limit (CRQL). A control limit of the CRQL shall be used if either the sample or duplicate value is < 5x the CRQL. For field duplicates analysis that does not meet the technical criteria, the action was applied to only the field sample and it's duplicate.

No problems were found for this criterion.

7. PERCENT SOLIDS

The laboratory is required to perform the percent solids determination prior to sample preparation and analysis. Qualifications were applied to the samples and analytes as shown below.

The following sediment samples have percent solids less than 50%. Detects are qualified as J. Nondetects are qualified as UJ.

BG501, BG502, BG503, BG509, BG512

ANALYSIS: CYANIDE

The current SOP HW-3c (Rev 1) September 2016, USEPA Region II for the evaluation of Cyanide data, and all related Change Request Forms (CRF) for this SOP, generated through Statement of Work SFAM01.1, and any future editorial revisions of SFAM01.1 has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report.

1. HOLDING TIME AND PRESERVATION

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time, pH (aqueous samples), or cooler temperature are not within the acceptable range, the data may not be valid. Those analytes detected in the samples whose holding time (14 days) and pH (≥12) have not been met, will be qualified as estimated, "J"; the non-detects (sample quantitation limits) will be flagged as unusable, "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. CALIBRATION

Method requirements for satisfactory instrument calibration are established to ensure that the instrument is capable of producing acceptable quantitative data for cyanide. Initial Calibration Verification (ICV) demonstrates that the instrument is capable of acceptable performance at the beginning of the analytical run. Continuing Calibration Verification (CCV) demonstrates that the initial calibration is still valid by checking the performance of the instrument on a continuing basis.

A) INITIAL CALIBRATION

A blank and at least five calibration standards shall be employed to establish the analytical curve. At least one of the calibration standards shall be at or below the Contract Required Quantitation Limit (CRQL). The calibration curve shall be fitted using linear regression or weighted linear regression. The curve may be forced through zero. The calibration curve for cyanide shall possess a correlation coefficient of ≥ 0.995 to ensure the linearity over the calibrated range. The percent differences calculated for all of the non-zero standards must be within ±30% of the true value of the standard. The y-intercept of the curve must be less than the CRQL. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) INITIAL AND CONTINUING CALIBRATION VERIFICATION

Immediately after each system has been calibrated, the accuracy of the initial calibration must be verified and documented for cyanide by the analysis of an ICV solution(s).
The CCV standard shall be analyzed at a frequency of every hour during an analytical run. The CCV standard shall also be analyzed at the beginning of the run, and again after the last analytical sample. The percent recovery acceptable limits for ICV/CCV are 85 – 115%. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

3. BLANK CONTAMINATION

Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure cross-contamination of samples during field operations. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

Field Blank: BG547

No problems were found for this criterion.

4. SPIKE SAMPLE ANALYSIS

The spiked sample analysis is designed to provide information about the effect of each sample matrix on the sample preparation procedures and the measurement methodology. The spike Percent Recovery (%R) shall be within the established acceptance limits of 75 – 125%. However, spike recovery limits do not apply when the sample concentration is ≥ 4x the spike added. For a matrix spike analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the matrix spike sample.

The following sample has matrix spike recovery less than 30% and the post digestion spike sample has percent recovery greater than or equal to 75%. Detects are qualified as J. Nondetects are qualified as UJ.

Cyanide BG502

5. DUPLICATE SAMPLE ANALYSIS

The objective of duplicate sample analysis is to demonstrate acceptable method precision by the laboratory at the time of analysis. A control limit of 20% for the Relative Percent Difference (RPD) shall be used for original and duplicate sample values ≥ five times (5x) the Contract Required Quantitation Limit (CRQL). A control limit of the CRQL shall be used if either the sample or duplicate value is < 5x the CRQL. For a duplicate sample analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the duplicate sample.

No problems were found for this criterion.

6. FIELD DUPLICATE: BG510/ BG513

Field duplicates may be taken and analyzed as an indication of overall precision. These analyses measure both field and laboratory precision. A control limit of 20% for the Relative Percent Difference (RPD) shall be used for original and duplicate sample values ≥ five times (5x) the Contract Required Quantitation Limit (CRQL). A control limit of the CRQL shall be used if either the sample or duplicate value is < 5x the CRQL. For field duplicates analysis that does not meet the technical criteria, the action was applied to only the field sample and it's duplicate.

No problems were found for this criterion.

7. PERCENT SOLIDS

The laboratory is required to perform the percent solids determination prior to sample preparation and analysis. Qualifications were applied to the samples and analytes as shown below.

The following sediment samples have percent solids less than 50%. Detects are qualified as J. Nondetects are qualified as UJ.

BG501, BG502, BG503, BG509, BG512

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG501** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED22A

Sample Number: BG501	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: SED22/SW22	pH:	Sample Date: 04/20/2021	Sample Time: 12:50:00
% Moisture:		% Solids: 47	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	1.0	UJ	mg/kg	1.0	U*	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG501** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED22A

Sample Number: BG501	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SED22/SW22	pH:	Sample Date: 04/20/2021	Sample Time: 12:50:00
% Moisture:		% Solids: 47	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.21	UJ	mg/kg	0.21	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG501** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED22A

Sample Number: BG501	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SED22/SW22	pH: 0	Sample Date: 04/20/2021	Sample Time: 12:50:00
% Moisture:		% Solids: 47	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	12000	J	mg/kg	12000		1	YES	S3VEM
Antimony	Target	12	UJ	mg/kg	12	U*	1	YES	S3VEM
Arsenic	Target	9.5	J	mg/kg	9.5		1	YES	S3VEM
Barium	Target	41	UJ	mg/kg	30	J	1	YES	S3VEM
Beryllium	Target	1.0	UJ	mg/kg	0.63	J	1	YES	S3VEM
Cadmium	Target	0.58	J	mg/kg	0.58	J	1	YES	S3VEM
Calcium	Target	2800	J	mg/kg	2800		1	YES	S3VEM
Chromium	Target	35	J	mg/kg	35		1	YES	S3VEM
Cobalt	Target	7.5	J	mg/kg	7.5	J	1	YES	S3VEM
Copper	Target	11	J	mg/kg	11		1	YES	S3VEM
Iron	Target	28000	J	mg/kg	28000		1	YES	S3VEM
Lead	Target	11	J	mg/kg	11		1	YES	S3VEM
Magnesium	Target	5100	J	mg/kg	5100		1	YES	S3VEM
Manganese	Target	220	J	mg/kg	220		1	YES	S3VEM
Nickel	Target	24	J	mg/kg	24		1	YES	S3VEM
Potassium	Target	3200	J	mg/kg	3200		1	YES	S3VEM
Selenium	Target	7.2	UJ	mg/kg	7.2	U	1	YES	S3VEM
Silver	Target	2.1	UJ	mg/kg	2.1	U	1	YES	S3VEM
Sodium	Target	4000	J	mg/kg	4000		1	YES	S3VEM
Thallium	Target	5.1	UJ	mg/kg	5.1	U	1	YES	S3VEM
Vanadium	Target	40	J	mg/kg	40		1	YES	S3VEM
Zinc	Target	52	J	mg/kg	52		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG501** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED22B

Sample Number: BG502	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: SED22/SW22	pH:	Sample Date: 04/20/2021	Sample Time: 13:05:00
% Moisture:		% Solids: 50	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	0.97	UJ	mg/kg	0.97	U*	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG501** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED22B

Sample Number: BG502	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SED22/SW22	pH:	Sample Date: 04/20/2021	Sample Time: 13:05:00
% Moisture:		% Solids: 50	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.19	UJ	mg/kg	0.19	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG501** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED22B

Sample Number: BG502	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SED22/SW22	pH: 0	Sample Date: 04/20/2021	Sample Time: 13:05:00
% Moisture:		% Solids: 50	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	10000	J	mg/kg	10000		1	YES	S3VEM
Antimony	Target	11	UJ	mg/kg	11	U*	1	YES	S3VEM
Arsenic	Target	8.0	J	mg/kg	8.0		1	YES	S3VEM
Barium	Target	38	UJ	mg/kg	26	J	1	YES	S3VEM
Beryllium	Target	0.96	UJ	mg/kg	0.54	J	1	YES	S3VEM
Cadmium	Target	0.50	J	mg/kg	0.50	J	1	YES	S3VEM
Calcium	Target	2600	J	mg/kg	2600		1	YES	S3VEM
Chromium	Target	29	J	mg/kg	29		1	YES	S3VEM
Cobalt	Target	6.5	J	mg/kg	6.5	J	1	YES	S3VEM
Copper	Target	9.6	J	mg/kg	9.6		1	YES	S3VEM
Iron	Target	23000	J	mg/kg	23000		1	YES	S3VEM
Lead	Target	9.5	J	mg/kg	9.5		1	YES	S3VEM
Magnesium	Target	4700	J	mg/kg	4700		1	YES	S3VEM
Manganese	Target	180	J	mg/kg	180		1	YES	S3VEM
Nickel	Target	20	J	mg/kg	20		1	YES	S3VEM
Potassium	Target	2800	J	mg/kg	2800		1	YES	S3VEM
Selenium	Target	6.7	UJ	mg/kg	6.7	U	1	YES	S3VEM
Silver	Target	1.9	UJ	mg/kg	1.9	U	1	YES	S3VEM
Sodium	Target	6000	J	mg/kg	6000		1	YES	S3VEM
Thallium	Target	4.8	UJ	mg/kg	4.8	U	1	YES	S3VEM
Vanadium	Target	36	J	mg/kg	36		1	YES	S3VEM
Zinc	Target	48	J	mg/kg	48		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG501** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: BG502A	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 04/20/2021	Sample Time: 13:05:00
% Moisture:		% Solids: 50	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Spike	4.5		mg/kg	4.5		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG501** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: BG502A	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location:	pH: 0	Sample Date: 04/20/2021	Sample Time: 13:05:00
% Moisture:		% Solids: 50	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Spike	22		mg/kg	22		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG501** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: BG502D	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 04/20/2021	Sample Time: 13:05:00
% Moisture:		% Solids: 50	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	0.97	U	mg/kg	0.97	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG501** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: BG502D	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 04/20/2021	Sample Time: 13:05:00
% Moisture:		% Solids: 50	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.19	UJ	mg/kg	0.19	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG501** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: BG502D	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location:	pH: 0	Sample Date: 04/20/2021	Sample Time: 13:05:00
% Moisture:		% Solids: 50	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	10000	J+	mg/kg	10000		1	YES	S3VEM
Antimony	Target	11	U	mg/kg	11	U	1	YES	S3VEM
Arsenic	Target	8.3		mg/kg	8.3		1	YES	S3VEM
Barium	Target	38	U	mg/kg	26	J	1	YES	S3VEM
Beryllium	Target	0.96	U	mg/kg	0.55	J	1	YES	S3VEM
Cadmium	Target	0.51	J	mg/kg	0.51	J	1	YES	S3VEM
Calcium	Target	2400	J+	mg/kg	2400		1	YES	S3VEM
Chromium	Target	30		mg/kg	30		1	YES	S3VEM
Cobalt	Target	6.6	J	mg/kg	6.6	J	1	YES	S3VEM
Copper	Target	9.7		mg/kg	9.7		1	YES	S3VEM
Iron	Target	23000	J+	mg/kg	23000		1	YES	S3VEM
Lead	Target	10	J+	mg/kg	10		1	YES	S3VEM
Magnesium	Target	4600	J+	mg/kg	4600		1	YES	S3VEM
Manganese	Target	180	J+	mg/kg	180		1	YES	S3VEM
Nickel	Target	20		mg/kg	20		1	YES	S3VEM
Potassium	Target	2800		mg/kg	2800		1	YES	S3VEM
Selenium	Target	6.7	U	mg/kg	6.7	U	1	YES	S3VEM
Silver	Target	1.9	U	mg/kg	1.9	U	1	YES	S3VEM
Sodium	Target	5900		mg/kg	5900		1	YES	S3VEM
Thallium	Target	4.8	U	mg/kg	4.8	U	1	YES	S3VEM
Vanadium	Target	37		mg/kg	37		1	YES	S3VEM
Zinc	Target	48		mg/kg	48		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG501** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: BG502L	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location:	pH: 0	Sample Date:	Sample Time:
% Moisture:		% Solids: 50	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	11000	J+	mg/kg	11000		5	YES	S3VEM
Antimony	Target	57	U	mg/kg	57	U	5	YES	S3VEM
Arsenic	Target	9.5	J	mg/kg	9.5	J	5	YES	S3VEM
Barium	Target	190	U	mg/kg	26	J	5	YES	S3VEM
Beryllium	Target	4.8	U	mg/kg	0.57	J	5	YES	S3VEM
Cadmium	Target	0.51	J	mg/kg	0.51	J	5	YES	S3VEM
Calcium	Target	4800	U	mg/kg	2700	J	5	YES	S3VEM
Chromium	Target	30		mg/kg	30		5	YES	S3VEM
Cobalt	Target	7.2	J	mg/kg	7.2	J	5	YES	S3VEM
Copper	Target	9.5	J	mg/kg	9.5	J	5	YES	S3VEM
Iron	Target	24000	J+	mg/kg	24000		5	YES	S3VEM
Lead	Target	9.6	U	mg/kg	9.0	J	5	YES	S3VEM
Magnesium	Target	4800	J+	mg/kg	4800		5	YES	S3VEM
Manganese	Target	190	J+	mg/kg	190		5	YES	S3VEM
Nickel	Target	17	J	mg/kg	17	J	5	YES	S3VEM
Potassium	Target	2800	J	mg/kg	2800	J	5	YES	S3VEM
Selenium	Target	33	U	mg/kg	33	U	5	YES	S3VEM
Silver	Target	9.6	U	mg/kg	9.6	U	5	YES	S3VEM
Sodium	Target	5900		mg/kg	5900		5	YES	S3VEM
Thallium	Target	24	U	mg/kg	24	U	5	YES	S3VEM
Vanadium	Target	37	J	mg/kg	37	J	5	YES	S3VEM
Zinc	Target	42	J	mg/kg	42	J	5	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG501** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: BG502S	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 04/20/2021	Sample Time: 13:05:00
% Moisture:		% Solids: 50	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Spike	0.94	J	mg/kg	0.94	J*	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG501** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: BG502S	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 04/20/2021	Sample Time: 13:05:00
% Moisture:		% Solids: 50	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Spike	1.0	J-	mg/kg	1.0		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG501** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: BG502S	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location:	pH: 0	Sample Date: 04/20/2021	Sample Time: 13:05:00
% Moisture:		% Solids: 50	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Spike	14		mg/kg	14	*	1	YES	S3VEM
Arsenic	Spike	20		mg/kg	20		1	YES	S3VEM
Barium	Spike	730	J+	mg/kg	730		1	YES	S3VEM
Beryllium	Spike	18	J+	mg/kg	18		1	YES	S3VEM
Cadmium	Spike	17		mg/kg	17		1	YES	S3VEM
Chromium	Spike	110		mg/kg	110		1	YES	S3VEM
Cobalt	Spike	180		mg/kg	180		1	YES	S3VEM
Copper	Spike	93		mg/kg	93		1	YES	S3VEM
Lead	Spike	17	J+	mg/kg	17		1	YES	S3VEM
Manganese	Spike	370	J+	mg/kg	370		1	YES	S3VEM
Nickel	Spike	210		mg/kg	210		1	YES	S3VEM
Selenium	Spike	31		mg/kg	31		1	YES	S3VEM
Silver	Spike	16		mg/kg	16		1	YES	S3VEM
Thallium	Spike	15		mg/kg	15		1	YES	S3VEM
Vanadium	Spike	210		mg/kg	210		1	YES	S3VEM
Zinc	Spike	240		mg/kg	240		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG501** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED22C

Sample Number: BG503	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: SED22/SW22	pH:	Sample Date: 04/20/2021	Sample Time: 13:15:00
% Moisture:		% Solids: 49	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	0.87	UJ	mg/kg	0.87	U*	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG501** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED22C

Sample Number: BG503	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SED22/SW22	pH:	Sample Date: 04/20/2021	Sample Time: 13:15:00
% Moisture:		% Solids: 49	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.20	UJ	mg/kg	0.20	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG501** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED22C

Sample Number: BG503	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SED22/SW22	pH: 0	Sample Date: 04/20/2021	Sample Time: 13:15:00
% Moisture:		% Solids: 49	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	15000	J	mg/kg	15000		1	YES	S3VEM
Antimony	Target	12	UJ	mg/kg	12	U*	1	YES	S3VEM
Arsenic	Target	12	J	mg/kg	12		1	YES	S3VEM
Barium	Target	41	UJ	mg/kg	32	J	1	YES	S3VEM
Beryllium	Target	1.0	UJ	mg/kg	0.74	J	1	YES	S3VEM
Cadmium	Target	0.67	J	mg/kg	0.67	J	1	YES	S3VEM
Calcium	Target	3000	J	mg/kg	3000		1	YES	S3VEM
Chromium	Target	40	J	mg/kg	40		1	YES	S3VEM
Cobalt	Target	9.0	J	mg/kg	9.0	J	1	YES	S3VEM
Copper	Target	14	J	mg/kg	14		1	YES	S3VEM
Iron	Target	32000	J	mg/kg	32000		1	YES	S3VEM
Lead	Target	12	J	mg/kg	12		1	YES	S3VEM
Magnesium	Target	6300	J	mg/kg	6300		1	YES	S3VEM
Manganese	Target	280	J	mg/kg	280		1	YES	S3VEM
Nickel	Target	31	J	mg/kg	31		1	YES	S3VEM
Potassium	Target	3800	J	mg/kg	3800		1	YES	S3VEM
Selenium	Target	7.1	UJ	mg/kg	7.1	U	1	YES	S3VEM
Silver	Target	2.0	UJ	mg/kg	2.0	U	1	YES	S3VEM
Sodium	Target	8600	J	mg/kg	8600		1	YES	S3VEM
Thallium	Target	5.1	UJ	mg/kg	5.1	U	1	YES	S3VEM
Vanadium	Target	42	J	mg/kg	42		1	YES	S3VEM
Zinc	Target	61	J	mg/kg	61		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG501** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED23A

Sample Number: BG504	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: SED23/SW23	pH:	Sample Date: 04/20/2021	Sample Time: 12:00:00
% Moisture:		% Solids: 83	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	0.50	U	mg/kg	0.50	U*	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG501** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED23A

Sample Number: BG504	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SED23/SW23	pH:	Sample Date: 04/20/2021	Sample Time: 12:00:00
% Moisture:		% Solids: 83	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.11	UJ	mg/kg	0.11	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG501** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED23A

Sample Number: BG504	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SED23/SW23	pH: 0	Sample Date: 04/20/2021	Sample Time: 12:00:00
% Moisture:		% Solids: 83	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	2300		mg/kg	2300		1	YES	S3VEM
Antimony	Target	6.9	U	mg/kg	6.9	U*	1	YES	S3VEM
Arsenic	Target	1.5		mg/kg	1.5		1	YES	S3VEM
Barium	Target	23	U	mg/kg	5.9	J	1	YES	S3VEM
Beryllium	Target	0.57	U	mg/kg	0.13	J	1	YES	S3VEM
Cadmium	Target	0.57	U	mg/kg	0.57	U	1	YES	S3VEM
Calcium	Target	570	U	mg/kg	500	J	1	YES	S3VEM
Chromium	Target	6.0		mg/kg	6.0		1	YES	S3VEM
Cobalt	Target	4.6	J	mg/kg	4.6	J	1	YES	S3VEM
Copper	Target	1.5	J	mg/kg	1.5	J	1	YES	S3VEM
Iron	Target	4000		mg/kg	4000		1	YES	S3VEM
Lead	Target	2.2		mg/kg	2.2		1	YES	S3VEM
Magnesium	Target	930		mg/kg	930		1	YES	S3VEM
Manganese	Target	56		mg/kg	56		1	YES	S3VEM
Nickel	Target	8.7		mg/kg	8.7		1	YES	S3VEM
Potassium	Target	530	J	mg/kg	530	J	1	YES	S3VEM
Selenium	Target	4.0	U	mg/kg	4.0	U	1	YES	S3VEM
Silver	Target	1.1	U	mg/kg	1.1	U	1	YES	S3VEM
Sodium	Target	570	U	mg/kg	460	J	1	YES	S3VEM
Thallium	Target	2.9	U	mg/kg	2.9	U	1	YES	S3VEM
Vanadium	Target	6.5		mg/kg	6.5		1	YES	S3VEM
Zinc	Target	8.7		mg/kg	8.7		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG501** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED23B

Sample Number: BG505	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: SED23/SW23	pH:	Sample Date: 04/20/2021	Sample Time: 12:15:00
% Moisture:		% Solids: 62	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	0.80	U	mg/kg	0.80	U*	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG501** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED23B

Sample Number: BG505	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SED23/SW23	pH:	Sample Date: 04/20/2021	Sample Time: 12:15:00
% Moisture:		% Solids: 62	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.16	UJ	mg/kg	0.16	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG501** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED23B

Sample Number: BG505	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SED23/SW23	pH: 0	Sample Date: 04/20/2021	Sample Time: 12:15:00
% Moisture:		% Solids: 62	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	11000		mg/kg	11000		1	YES	S3VEM
Antimony	Target	9.6	U	mg/kg	9.6	U*	1	YES	S3VEM
Arsenic	Target	6.5		mg/kg	6.5		1	YES	S3VEM
Barium	Target	32	U	mg/kg	28	J	1	YES	S3VEM
Beryllium	Target	0.80	U	mg/kg	0.55	J	1	YES	S3VEM
Cadmium	Target	0.31	J	mg/kg	0.31	J	1	YES	S3VEM
Calcium	Target	2800		mg/kg	2800		1	YES	S3VEM
Chromium	Target	28		mg/kg	28		1	YES	S3VEM
Cobalt	Target	6.3	J	mg/kg	6.3	J	1	YES	S3VEM
Copper	Target	8.4		mg/kg	8.4		1	YES	S3VEM
Iron	Target	21000		mg/kg	21000		1	YES	S3VEM
Lead	Target	8.7		mg/kg	8.7		1	YES	S3VEM
Magnesium	Target	4300		mg/kg	4300		1	YES	S3VEM
Manganese	Target	200		mg/kg	200		1	YES	S3VEM
Nickel	Target	18		mg/kg	18		1	YES	S3VEM
Potassium	Target	2900		mg/kg	2900		1	YES	S3VEM
Selenium	Target	5.6	U	mg/kg	5.6	U	1	YES	S3VEM
Silver	Target	1.6	U	mg/kg	1.6	U	1	YES	S3VEM
Sodium	Target	2800		mg/kg	2800		1	YES	S3VEM
Thallium	Target	4.0	U	mg/kg	4.0	U	1	YES	S3VEM
Vanadium	Target	32		mg/kg	32		1	YES	S3VEM
Zinc	Target	45		mg/kg	45		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG501** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED23C

Sample Number: BG506	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: SED23/SW23	pH:	Sample Date: 04/20/2021	Sample Time: 12:25:00
% Moisture:		% Solids: 61	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	0.76	U	mg/kg	0.76	U*	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG501** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED23C

Sample Number: BG506	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SED23/SW23	pH:	Sample Date: 04/20/2021	Sample Time: 12:25:00
% Moisture:		% Solids: 61	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.15	UJ	mg/kg	0.15	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG501** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED23C

Sample Number: BG506	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SED23/SW23	pH: 0	Sample Date: 04/20/2021	Sample Time: 12:25:00
% Moisture:		% Solids: 61	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	11000		mg/kg	11000		1	YES	S3VEM
Antimony	Target	9.2	U	mg/kg	9.2	U*	1	YES	S3VEM
Arsenic	Target	7.6		mg/kg	7.6		1	YES	S3VEM
Barium	Target	31	U	mg/kg	28	J	1	YES	S3VEM
Beryllium	Target	0.77	U	mg/kg	0.55	J	1	YES	S3VEM
Cadmium	Target	0.31	J	mg/kg	0.31	J	1	YES	S3VEM
Calcium	Target	2700		mg/kg	2700		1	YES	S3VEM
Chromium	Target	28		mg/kg	28		1	YES	S3VEM
Cobalt	Target	6.6	J	mg/kg	6.6	J	1	YES	S3VEM
Copper	Target	8.4		mg/kg	8.4		1	YES	S3VEM
Iron	Target	22000		mg/kg	22000		1	YES	S3VEM
Lead	Target	8.8		mg/kg	8.8		1	YES	S3VEM
Magnesium	Target	4500		mg/kg	4500		1	YES	S3VEM
Manganese	Target	230		mg/kg	230		1	YES	S3VEM
Nickel	Target	20		mg/kg	20		1	YES	S3VEM
Potassium	Target	2900		mg/kg	2900		1	YES	S3VEM
Selenium	Target	5.4	U	mg/kg	5.4	U	1	YES	S3VEM
Silver	Target	1.5	U	mg/kg	1.5	U	1	YES	S3VEM
Sodium	Target	4500		mg/kg	4500		1	YES	S3VEM
Thallium	Target	3.8	U	mg/kg	3.8	U	1	YES	S3VEM
Vanadium	Target	32		mg/kg	32		1	YES	S3VEM
Zinc	Target	47		mg/kg	47		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG501** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED24A

Sample Number: BG507	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: SED24/SW24	pH:	Sample Date: 04/20/2021	Sample Time: 10:55:00
% Moisture:		% Solids: 63	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	0.77	U	mg/kg	0.77	U*	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG501** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED24A

Sample Number: BG507	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SED24/SW24	pH:	Sample Date: 04/20/2021	Sample Time: 10:55:00
% Moisture:		% Solids: 63	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.065	J-	mg/kg	0.065	J	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG501** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED24A

Sample Number: BG507	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SED24/SW24	pH: 0	Sample Date: 04/20/2021	Sample Time: 10:55:00
% Moisture:		% Solids: 63	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	15000		mg/kg	15000		1	YES	S3VEM
Antimony	Target	8.9	U	mg/kg	8.9	U*	1	YES	S3VEM
Arsenic	Target	7.8		mg/kg	7.8		1	YES	S3VEM
Barium	Target	30		mg/kg	30		1	YES	S3VEM
Beryllium	Target	0.80		mg/kg	0.80		1	YES	S3VEM
Cadmium	Target	0.30	J	mg/kg	0.30	J	1	YES	S3VEM
Calcium	Target	1600		mg/kg	1600		1	YES	S3VEM
Chromium	Target	38		mg/kg	38		1	YES	S3VEM
Cobalt	Target	11		mg/kg	11		1	YES	S3VEM
Copper	Target	27		mg/kg	27		1	YES	S3VEM
Iron	Target	25000		mg/kg	25000		1	YES	S3VEM
Lead	Target	18		mg/kg	18		1	YES	S3VEM
Magnesium	Target	5100		mg/kg	5100		1	YES	S3VEM
Manganese	Target	230		mg/kg	230		1	YES	S3VEM
Nickel	Target	73		mg/kg	73		1	YES	S3VEM
Potassium	Target	2400		mg/kg	2400		1	YES	S3VEM
Selenium	Target	5.2	U	mg/kg	5.2	U	1	YES	S3VEM
Silver	Target	1.5	U	mg/kg	1.5	U	1	YES	S3VEM
Sodium	Target	4200		mg/kg	4200		1	YES	S3VEM
Thallium	Target	3.7	U	mg/kg	3.7	U	1	YES	S3VEM
Vanadium	Target	42		mg/kg	42		1	YES	S3VEM
Zinc	Target	58		mg/kg	58		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG501** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED24B

Sample Number: BG508	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: SED24/SW24	pH:	Sample Date: 04/20/2021	Sample Time: 11:10:00
% Moisture:		% Solids: 62	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	0.76	U	mg/kg	0.76	U*	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG501** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED24B

Sample Number: BG508	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SED24/SW24	pH:	Sample Date: 04/20/2021	Sample Time: 11:10:00
% Moisture:		% Solids: 62	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.37	J-	mg/kg	0.37		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG501** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED24B

Sample Number: BG508	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SED24/SW24	pH: 0	Sample Date: 04/20/2021	Sample Time: 11:10:00
% Moisture:		% Solids: 62	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	14000		mg/kg	14000		1	YES	S3VEM
Antimony	Target	9.1	U	mg/kg	9.1	U*	1	YES	S3VEM
Arsenic	Target	8.8		mg/kg	8.8		1	YES	S3VEM
Barium	Target	62		mg/kg	62		1	YES	S3VEM
Beryllium	Target	0.76	U	mg/kg	0.73	J	1	YES	S3VEM
Cadmium	Target	0.61	J	mg/kg	0.61	J	1	YES	S3VEM
Calcium	Target	1700		mg/kg	1700		1	YES	S3VEM
Chromium	Target	37		mg/kg	37		1	YES	S3VEM
Cobalt	Target	9.5		mg/kg	9.5		1	YES	S3VEM
Copper	Target	35		mg/kg	35		1	YES	S3VEM
Iron	Target	24000		mg/kg	24000		1	YES	S3VEM
Lead	Target	55		mg/kg	55		1	YES	S3VEM
Magnesium	Target	5200		mg/kg	5200		1	YES	S3VEM
Manganese	Target	210		mg/kg	210		1	YES	S3VEM
Nickel	Target	55		mg/kg	55		1	YES	S3VEM
Potassium	Target	2700		mg/kg	2700		1	YES	S3VEM
Selenium	Target	5.3	U	mg/kg	5.3	U	1	YES	S3VEM
Silver	Target	1.5	U	mg/kg	1.5	U	1	YES	S3VEM
Sodium	Target	6100		mg/kg	6100		1	YES	S3VEM
Thallium	Target	3.8	U	mg/kg	3.8	U	1	YES	S3VEM
Vanadium	Target	40		mg/kg	40		1	YES	S3VEM
Zinc	Target	140		mg/kg	140		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG501** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED24C

Sample Number: BG509	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: SED24/SW24	pH:	Sample Date: 04/20/2021	Sample Time: 11:20:00
% Moisture:		% Solids: 45	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	0.47	J	mg/kg	0.47	J*	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG501** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED24C

Sample Number: BG509	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SED24/SW24	pH:	Sample Date: 04/20/2021	Sample Time: 11:20:00
% Moisture:		% Solids: 45	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	5.0	J-	mg/kg	5.0	D	4	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG501** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED24C

Sample Number: BG509	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SED24/SW24	pH: 0	Sample Date: 04/20/2021	Sample Time: 11:20:00
% Moisture:		% Solids: 45	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	14000	J	mg/kg	14000		1	YES	S3VEM
Antimony	Target	13	UJ	mg/kg	13	U*	1	YES	S3VEM
Arsenic	Target	18	J	mg/kg	18		1	YES	S3VEM
Barium	Target	130	J	mg/kg	130		1	YES	S3VEM
Beryllium	Target	1.1	UJ	mg/kg	0.84	J	1	YES	S3VEM
Cadmium	Target	2.4	J	mg/kg	2.4		1	YES	S3VEM
Calcium	Target	3800	J	mg/kg	3800		1	YES	S3VEM
Chromium	Target	76	J	mg/kg	76		1	YES	S3VEM
Cobalt	Target	12	J	mg/kg	12		1	YES	S3VEM
Copper	Target	420	J	mg/kg	420		1	YES	S3VEM
Iron	Target	31000	J	mg/kg	31000		1	YES	S3VEM
Lead	Target	330	J	mg/kg	330		1	YES	S3VEM
Magnesium	Target	7400	J	mg/kg	7400		1	YES	S3VEM
Manganese	Target	230	J	mg/kg	230		1	YES	S3VEM
Nickel	Target	73	J	mg/kg	73		1	YES	S3VEM
Potassium	Target	3600	J	mg/kg	3600		1	YES	S3VEM
Selenium	Target	7.7	UJ	mg/kg	7.7	U	1	YES	S3VEM
Silver	Target	1.4	J	mg/kg	1.4	J	1	YES	S3VEM
Sodium	Target	12000	J	mg/kg	12000		1	YES	S3VEM
Thallium	Target	5.5	UJ	mg/kg	5.5	U	1	YES	S3VEM
Vanadium	Target	65	J	mg/kg	65		1	YES	S3VEM
Zinc	Target	480	J	mg/kg	480		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project | **GroupID: 49391/68HERH20D0009/BG501** | **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED25A

Sample Number: BG510	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: SED25/SW25	pH:	Sample Date: 04/20/2021	Sample Time: 09:25:00
% Moisture:		% Solids: 77	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	0.26	J	mg/kg	0.26	J*	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG501** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED25A

Sample Number: BG510	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SED25/SW25	pH:	Sample Date: 04/20/2021	Sample Time: 09:25:00
% Moisture:		% Solids: 77	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.12	UJ	mg/kg	0.12	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG501** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED25A

Sample Number: BG510	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SED25/SW25	pH: 0	Sample Date: 04/20/2021	Sample Time: 09:25:00
% Moisture:		% Solids: 77	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	5400		mg/kg	5400		1	YES	S3VEM
Antimony	Target	7.3	U	mg/kg	7.3	U*	1	YES	S3VEM
Arsenic	Target	2.2		mg/kg	2.2		1	YES	S3VEM
Barium	Target	24	U	mg/kg	20	J	1	YES	S3VEM
Beryllium	Target	0.61	U	mg/kg	0.35	J	1	YES	S3VEM
Cadmium	Target	0.14	J	mg/kg	0.14	J	1	YES	S3VEM
Calcium	Target	1200		mg/kg	1200		1	YES	S3VEM
Chromium	Target	19		mg/kg	19		1	YES	S3VEM
Cobalt	Target	5.8	J	mg/kg	5.8	J	1	YES	S3VEM
Copper	Target	9.8		mg/kg	9.8		1	YES	S3VEM
Iron	Target	12000		mg/kg	12000		1	YES	S3VEM
Lead	Target	6.8		mg/kg	6.8		1	YES	S3VEM
Magnesium	Target	2600		mg/kg	2600		1	YES	S3VEM
Manganese	Target	84		mg/kg	84		1	YES	S3VEM
Nickel	Target	40		mg/kg	40		1	YES	S3VEM
Potassium	Target	1000		mg/kg	1000		1	YES	S3VEM
Selenium	Target	4.2	U	mg/kg	4.2	U	1	YES	S3VEM
Silver	Target	1.2	U	mg/kg	1.2	U	1	YES	S3VEM
Sodium	Target	1500		mg/kg	1500		1	YES	S3VEM
Thallium	Target	3.0	U	mg/kg	3.0	U	1	YES	S3VEM
Vanadium	Target	18		mg/kg	18		1	YES	S3VEM
Zinc	Target	25		mg/kg	25		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG501** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED25B

Sample Number: BG511	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: SED25/SW25	pH:	Sample Date: 04/20/2021	Sample Time: 10:05:00
% Moisture:		% Solids: 51	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	0.58	J	mg/kg	0.58	J	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG501** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED25B

Sample Number: BG511	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SED25/SW25	pH:	Sample Date: 04/20/2021	Sample Time: 10:05:00
% Moisture:		% Solids: 51	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.11	J-	mg/kg	0.11	J	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG501** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED25B

Sample Number: BG511	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SED25/SW25	pH: 0	Sample Date: 04/20/2021	Sample Time: 10:05:00
% Moisture:		% Solids: 51	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	22000		mg/kg	22000		1	YES	S3VEM
Antimony	Target	12	U	mg/kg	12	U*	1	YES	S3VEM
Arsenic	Target	8.8		mg/kg	8.8		1	YES	S3VEM
Barium	Target	62		mg/kg	62		1	YES	S3VEM
Beryllium	Target	1.2		mg/kg	1.2		1	YES	S3VEM
Cadmium	Target	0.49	J	mg/kg	0.49	J	1	YES	S3VEM
Calcium	Target	2100		mg/kg	2100		1	YES	S3VEM
Chromium	Target	65		mg/kg	65		1	YES	S3VEM
Cobalt	Target	17		mg/kg	17		1	YES	S3VEM
Copper	Target	38		mg/kg	38		1	YES	S3VEM
Iron	Target	33000		mg/kg	33000		1	YES	S3VEM
Lead	Target	34		mg/kg	34		1	YES	S3VEM
Magnesium	Target	7400		mg/kg	7400		1	YES	S3VEM
Manganese	Target	420		mg/kg	420		1	YES	S3VEM
Nickel	Target	110		mg/kg	110		1	YES	S3VEM
Potassium	Target	3600		mg/kg	3600		1	YES	S3VEM
Selenium	Target	6.7	U	mg/kg	6.7	U	1	YES	S3VEM
Silver	Target	1.9	U	mg/kg	1.9	U	1	YES	S3VEM
Sodium	Target	7700		mg/kg	7700		1	YES	S3VEM
Thallium	Target	4.8	U	mg/kg	4.8	U	1	YES	S3VEM
Vanadium	Target	62		mg/kg	62		1	YES	S3VEM
Zinc	Target	100		mg/kg	100		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG501** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED25C

Sample Number: BG512	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: SED25/SW25	pH:	Sample Date: 04/20/2021	Sample Time: 10:20:00
% Moisture:		% Solids: 32	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	1.3	UJ	mg/kg	1.3	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG501** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED25C

Sample Number: BG512	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SED25/SW25	pH:	Sample Date: 04/20/2021	Sample Time: 10:20:00
% Moisture:		% Solids: 32	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	1.5	J-	mg/kg	1.5		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG501** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED25C

Sample Number: BG512	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SED25/SW25	pH: 0	Sample Date: 04/20/2021	Sample Time: 10:20:00
% Moisture:		% Solids: 32	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	19000	J	mg/kg	19000		1	YES	S3VEM
Antimony	Target	2.6	J	mg/kg	2.6	J*	1	YES	S3VEM
Arsenic	Target	18	J	mg/kg	18		1	YES	S3VEM
Barium	Target	110	J	mg/kg	110		1	YES	S3VEM
Beryllium	Target	1.5	UJ	mg/kg	1.0	J	1	YES	S3VEM
Cadmium	Target	1.4	J	mg/kg	1.4	J	1	YES	S3VEM
Calcium	Target	4300	J	mg/kg	4300		1	YES	S3VEM
Chromium	Target	59	J	mg/kg	59		1	YES	S3VEM
Cobalt	Target	16	J	mg/kg	16		1	YES	S3VEM
Copper	Target	110	J	mg/kg	110		1	YES	S3VEM
Iron	Target	48000	J	mg/kg	48000		1	YES	S3VEM
Lead	Target	180	J	mg/kg	180		1	YES	S3VEM
Magnesium	Target	8400	J	mg/kg	8400		1	YES	S3VEM
Manganese	Target	360	J	mg/kg	360		1	YES	S3VEM
Nickel	Target	69	J	mg/kg	69		1	YES	S3VEM
Potassium	Target	4000	J	mg/kg	4000		1	YES	S3VEM
Selenium	Target	11	UJ	mg/kg	11	U	1	YES	S3VEM
Silver	Target	0.68	J	mg/kg	0.68	J	1	YES	S3VEM
Sodium	Target	19000	J	mg/kg	19000		1	YES	S3VEM
Thallium	Target	7.7	UJ	mg/kg	7.7	U	1	YES	S3VEM
Vanadium	Target	63	J	mg/kg	63		1	YES	S3VEM
Zinc	Target	270	J	mg/kg	270		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG501** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED26A

Sample Number: BG513	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: SED25/SW25	pH:	Sample Date: 04/20/2021	Sample Time: 09:30:00
% Moisture:		% Solids: 79	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	0.58	U	mg/kg	0.58	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG501** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED26A

Sample Number: BG513	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SED25/SW25	pH:	Sample Date: 04/20/2021	Sample Time: 09:30:00
% Moisture:		% Solids: 79	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.13	UJ	mg/kg	0.13	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG501** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED26A

Sample Number: BG513	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SED25/SW25	pH: 0	Sample Date: 04/20/2021	Sample Time: 09:30:00
% Moisture:		% Solids: 79	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	4400		mg/kg	4400		1	YES	S3VEM
Antimony	Target	7.1	U	mg/kg	7.1	U*	1	YES	S3VEM
Arsenic	Target	1.4		mg/kg	1.4		1	YES	S3VEM
Barium	Target	24	U	mg/kg	15	J	1	YES	S3VEM
Beryllium	Target	0.59	U	mg/kg	0.29	J	1	YES	S3VEM
Cadmium	Target	0.11	J	mg/kg	0.11	J	1	YES	S3VEM
Calcium	Target	910		mg/kg	910		1	YES	S3VEM
Chromium	Target	14		mg/kg	14		1	YES	S3VEM
Cobalt	Target	4.9	J	mg/kg	4.9	J	1	YES	S3VEM
Copper	Target	8.2		mg/kg	8.2		1	YES	S3VEM
Iron	Target	10000		mg/kg	10000		1	YES	S3VEM
Lead	Target	4.5		mg/kg	4.5		1	YES	S3VEM
Magnesium	Target	2200		mg/kg	2200		1	YES	S3VEM
Manganese	Target	67		mg/kg	67		1	YES	S3VEM
Nickel	Target	37		mg/kg	37		1	YES	S3VEM
Potassium	Target	860		mg/kg	860		1	YES	S3VEM
Selenium	Target	4.1	U	mg/kg	4.1	U	1	YES	S3VEM
Silver	Target	1.2	U	mg/kg	1.2	U	1	YES	S3VEM
Sodium	Target	1200		mg/kg	1200		1	YES	S3VEM
Thallium	Target	2.9	U	mg/kg	2.9	U	1	YES	S3VEM
Vanadium	Target	16		mg/kg	16		1	YES	S3VEM
Zinc	Target	21		mg/kg	21		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG501** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED06A

Sample Number: BG573	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: SED06	pH:	Sample Date: 04/20/2021	Sample Time: 14:10:00
% Moisture:		% Solids: 81	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	0.52	U	mg/kg	0.52	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG501** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED06A

Sample Number: BG573	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SED06	pH:	Sample Date: 04/20/2021	Sample Time: 14:10:00
% Moisture:		% Solids: 81	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.11	UJ	mg/kg	0.11	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG501** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED06A

Sample Number: BG573	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SED06	pH: 0	Sample Date: 04/20/2021	Sample Time: 14:10:00
% Moisture:		% Solids: 81	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	2200		mg/kg	2200		1	YES	S3VEM
Antimony	Target	7.2	U	mg/kg	7.2	U*	1	YES	S3VEM
Arsenic	Target	1.6		mg/kg	1.6		1	YES	S3VEM
Barium	Target	24	U	mg/kg	6.2	J	1	YES	S3VEM
Beryllium	Target	0.60	U	mg/kg	0.12	J	1	YES	S3VEM
Cadmium	Target	0.60	U	mg/kg	0.60	U	1	YES	S3VEM
Calcium	Target	600	U	mg/kg	400	J	1	YES	S3VEM
Chromium	Target	5.5		mg/kg	5.5		1	YES	S3VEM
Cobalt	Target	1.6	J	mg/kg	1.6	J	1	YES	S3VEM
Copper	Target	1.7	J	mg/kg	1.7	J	1	YES	S3VEM
Iron	Target	4100		mg/kg	4100		1	YES	S3VEM
Lead	Target	2.2		mg/kg	2.2		1	YES	S3VEM
Magnesium	Target	1100		mg/kg	1100		1	YES	S3VEM
Manganese	Target	41		mg/kg	41		1	YES	S3VEM
Nickel	Target	3.9	J	mg/kg	3.9	J	1	YES	S3VEM
Potassium	Target	600		mg/kg	600		1	YES	S3VEM
Selenium	Target	4.2	U	mg/kg	4.2	U	1	YES	S3VEM
Silver	Target	1.2	U	mg/kg	1.2	U	1	YES	S3VEM
Sodium	Target	1800		mg/kg	1800		1	YES	S3VEM
Thallium	Target	3.0	U	mg/kg	3.0	U	1	YES	S3VEM
Vanadium	Target	6.7		mg/kg	6.7		1	YES	S3VEM
Zinc	Target	8.7		mg/kg	8.7		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG501** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED06B

Sample Number: BG574	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: SED06	pH:	Sample Date: 04/20/2021	Sample Time: 14:20:00
% Moisture:		% Solids: 81	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	0.54	U	mg/kg	0.54	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG501** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED06B

Sample Number: BG574	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SED06	pH:	Sample Date: 04/20/2021	Sample Time: 14:20:00
% Moisture:		% Solids: 81	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.12	UJ	mg/kg	0.12	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG501** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED06B

Sample Number: BG574	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SED06	pH: 0	Sample Date: 04/20/2021	Sample Time: 14:20:00
% Moisture:		% Solids: 81	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	1800		mg/kg	1800		1	YES	S3VEM
Antimony	Target	7.0	U	mg/kg	7.0	U*	1	YES	S3VEM
Arsenic	Target	1.5		mg/kg	1.5		1	YES	S3VEM
Barium	Target	23	U	mg/kg	5.1	J	1	YES	S3VEM
Beryllium	Target	0.58	U	mg/kg	0.10	J	1	YES	S3VEM
Cadmium	Target	0.066	J	mg/kg	0.066	J	1	YES	S3VEM
Calcium	Target	580	U	mg/kg	360	J	1	YES	S3VEM
Chromium	Target	4.9		mg/kg	4.9		1	YES	S3VEM
Cobalt	Target	1.5	J	mg/kg	1.5	J	1	YES	S3VEM
Copper	Target	1.7	J	mg/kg	1.7	J	1	YES	S3VEM
Iron	Target	3500		mg/kg	3500		1	YES	S3VEM
Lead	Target	2.6		mg/kg	2.6		1	YES	S3VEM
Magnesium	Target	910		mg/kg	910		1	YES	S3VEM
Manganese	Target	38		mg/kg	38		1	YES	S3VEM
Nickel	Target	3.8	J	mg/kg	3.8	J	1	YES	S3VEM
Potassium	Target	500	J	mg/kg	500	J	1	YES	S3VEM
Selenium	Target	4.1	U	mg/kg	4.1	U	1	YES	S3VEM
Silver	Target	1.2	U	mg/kg	1.2	U	1	YES	S3VEM
Sodium	Target	1800		mg/kg	1800		1	YES	S3VEM
Thallium	Target	2.9	U	mg/kg	2.9	U	1	YES	S3VEM
Vanadium	Target	6.1		mg/kg	6.1		1	YES	S3VEM
Zinc	Target	8.5		mg/kg	8.5		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG501** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED06C

Sample Number: BG575	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: SED06	pH:	Sample Date: 04/20/2021	Sample Time: 14:30:00
% Moisture:		% Solids: 76	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	0.59	U	mg/kg	0.59	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG501** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED06C

Sample Number: BG575	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SED06	pH:	Sample Date: 04/20/2021	Sample Time: 14:30:00
% Moisture:		% Solids: 76	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.064	J-	mg/kg	0.064	J	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG501** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED06C

Sample Number: BG575	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SED06	pH: 0	Sample Date: 04/20/2021	Sample Time: 14:30:00
% Moisture:		% Solids: 76	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	1100		mg/kg	1100		1	YES	S3VEM
Antimony	Target	7.8	U	mg/kg	7.8	U*	1	YES	S3VEM
Arsenic	Target	0.80	J	mg/kg	0.80	J	1	YES	S3VEM
Barium	Target	26	U	mg/kg	4.3	J	1	YES	S3VEM
Beryllium	Target	0.65	U	mg/kg	0.069	J	1	YES	S3VEM
Cadmium	Target	0.17	J	mg/kg	0.17	J	1	YES	S3VEM
Calcium	Target	650	U	mg/kg	430	J	1	YES	S3VEM
Chromium	Target	5.5		mg/kg	5.5		1	YES	S3VEM
Cobalt	Target	1.0	J	mg/kg	1.0	J	1	YES	S3VEM
Copper	Target	8.0		mg/kg	8.0		1	YES	S3VEM
Iron	Target	2100		mg/kg	2100		1	YES	S3VEM
Lead	Target	12		mg/kg	12		1	YES	S3VEM
Magnesium	Target	650	U	mg/kg	640	J	1	YES	S3VEM
Manganese	Target	20		mg/kg	20		1	YES	S3VEM
Nickel	Target	3.2	J	mg/kg	3.2	J	1	YES	S3VEM
Potassium	Target	340	J	mg/kg	340	J	1	YES	S3VEM
Selenium	Target	4.6	U	mg/kg	4.6	U	1	YES	S3VEM
Silver	Target	1.3	U	mg/kg	1.3	U	1	YES	S3VEM
Sodium	Target	1700		mg/kg	1700		1	YES	S3VEM
Thallium	Target	3.3	U	mg/kg	3.3	U	1	YES	S3VEM
Vanadium	Target	3.9	J	mg/kg	3.9	J	1	YES	S3VEM
Zinc	Target	22		mg/kg	22		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG501** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: LCS01	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Spike	39	J+	mg/kg	39		1	YES	S3VEM
Antimony	Spike	12		mg/kg	12		1	YES	S3VEM
Arsenic	Spike	1.6		mg/kg	1.6		1	YES	S3VEM
Barium	Spike	41	J+	mg/kg	41		1	YES	S3VEM
Beryllium	Spike	0.99	J+	mg/kg	0.99		1	YES	S3VEM
Cadmium	Spike	1.0		mg/kg	1.0		1	YES	S3VEM
Calcium	Spike	1000	J+	mg/kg	1000		1	YES	S3VEM
Chromium	Spike	2.1		mg/kg	2.1		1	YES	S3VEM
Cobalt	Spike	10		mg/kg	10		1	YES	S3VEM
Copper	Spike	4.8		mg/kg	4.8		1	YES	S3VEM
Iron	Spike	21	J+	mg/kg	21		1	YES	S3VEM
Lead	Spike	2.0	J+	mg/kg	2.0		1	YES	S3VEM
Magnesium	Spike	960	J+	mg/kg	960		1	YES	S3VEM
Manganese	Spike	3.1	J+	mg/kg	3.1		1	YES	S3VEM
Nickel	Spike	8.3		mg/kg	8.3		1	YES	S3VEM
Potassium	Spike	940		mg/kg	940		1	YES	S3VEM
Selenium	Spike	6.8		mg/kg	6.8		1	YES	S3VEM
Silver	Spike	1.9		mg/kg	1.9		1	YES	S3VEM
Sodium	Spike	960		mg/kg	960		1	YES	S3VEM
Thallium	Spike	4.5		mg/kg	4.5		1	YES	S3VEM
Vanadium	Spike	9.9		mg/kg	9.9		1	YES	S3VEM
Zinc	Spike	12		mg/kg	12		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG501** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: PBS01	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	0.50	U	mg/kg	0.50	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG501** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: PBS01	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	-0.013	J-	mg/kg	-0.013	J	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG501** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: PBS01	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	20	U	mg/kg	20	U	1	YES	S3VEM
Antimony	Target	6.0	U	mg/kg	6.0	U	1	YES	S3VEM
Arsenic	Target	1.0	U	mg/kg	1.0	U	1	YES	S3VEM
Barium	Target	20	U	mg/kg	20	U	1	YES	S3VEM
Beryllium	Target	0.50	U	mg/kg	0.50	U	1	YES	S3VEM
Cadmium	Target	0.50	U	mg/kg	0.50	U	1	YES	S3VEM
Calcium	Target	500	U	mg/kg	500	U	1	YES	S3VEM
Chromium	Target	1.0	U	mg/kg	1.0	U	1	YES	S3VEM
Cobalt	Target	5.0	U	mg/kg	5.0	U	1	YES	S3VEM
Copper	Target	2.5	U	mg/kg	2.5	U	1	YES	S3VEM
Iron	Target	10	U	mg/kg	10	U	1	YES	S3VEM
Lead	Target	1.0	U	mg/kg	1.0	U	1	YES	S3VEM
Magnesium	Target	500	U	mg/kg	500	U	1	YES	S3VEM
Manganese	Target	1.5	U	mg/kg	1.5	U	1	YES	S3VEM
Nickel	Target	4.0	U	mg/kg	4.0	U	1	YES	S3VEM
Potassium	Target	500	U	mg/kg	500	U	1	YES	S3VEM
Selenium	Target	3.5	U	mg/kg	3.5	U	1	YES	S3VEM
Silver	Target	1.0	U	mg/kg	1.0	U	1	YES	S3VEM
Sodium	Target	500	U	mg/kg	500	U	1	YES	S3VEM
Thallium	Target	2.5	U	mg/kg	2.5	U	1	YES	S3VEM
Vanadium	Target	5.0	U	mg/kg	5.0	U	1	YES	S3VEM
Zinc	Target	6.0	U	mg/kg	6.0	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG501** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: PBS02	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	0.50	U	mg/kg	0.50	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG501** **Lab Name: Bonner Analytical Testing Co.**

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG502D	Sediment	04/20/2021	1	7429-90-5	Aluminum	10000		J+	38	mg/kg	6100-SED22B
BG502D	Sediment	04/20/2021	1	7440-36-0	Antimony	11	U	U	11	mg/kg	6100-SED22B
BG502D	Sediment	04/20/2021	1	7440-38-2	Arsenic	8.3			1.9	mg/kg	6100-SED22B
BG502D	Sediment	04/20/2021	1	7440-39-3	Barium	38	J	U	38	mg/kg	6100-SED22B
BG502D	Sediment	04/20/2021	1	7440-41-7	Beryllium	0.96	J	U	0.96	mg/kg	6100-SED22B
BG502D	Sediment	04/20/2021	1	7440-43-9	Cadmium	0.51	J	J	0.96	mg/kg	6100-SED22B
BG502D	Sediment	04/20/2021	1	7440-70-2	Calcium	2400		J+	960	mg/kg	6100-SED22B
BG502D	Sediment	04/20/2021	1	7440-47-3	Chromium	30			1.9	mg/kg	6100-SED22B
BG502D	Sediment	04/20/2021	1	7440-48-4	Cobalt	6.6	J	J	9.6	mg/kg	6100-SED22B
BG502D	Sediment	04/20/2021	1	7440-50-8	Copper	9.7			4.8	mg/kg	6100-SED22B
BG502D	Sediment	04/20/2021	1	7439-89-6	Iron	23000		J+	19	mg/kg	6100-SED22B
BG502D	Sediment	04/20/2021	1	7439-92-1	Lead	10		J+	1.9	mg/kg	6100-SED22B
BG502D	Sediment	04/20/2021	1	7439-95-4	Magnesium	4600		J+	960	mg/kg	6100-SED22B
BG502D	Sediment	04/20/2021	1	7439-96-5	Manganese	180		J+	2.9	mg/kg	6100-SED22B
BG502D	Sediment	04/20/2021	1	7440-02-0	Nickel	20			7.6	mg/kg	6100-SED22B
BG502D	Sediment	04/20/2021	1	7440-09-7	Potassium	2800			960	mg/kg	6100-SED22B
BG502D	Sediment	04/20/2021	1	7782-49-2	Selenium	6.7	U	U	6.7	mg/kg	6100-SED22B
BG502D	Sediment	04/20/2021	1	7440-22-4	Silver	1.9	U	U	1.9	mg/kg	6100-SED22B
BG502D	Sediment	04/20/2021	1	7440-23-5	Sodium	5900			960	mg/kg	6100-SED22B
BG502D	Sediment	04/20/2021	1	7440-28-0	Thallium	4.8	U	U	4.8	mg/kg	6100-SED22B
BG502D	Sediment	04/20/2021	1	7440-62-2	Vanadium	37			9.6	mg/kg	6100-SED22B
BG502D	Sediment	04/20/2021	1	7440-66-6	Zinc	48			11	mg/kg	6100-SED22B
BG501	Sediment	04/20/2021	1	7429-90-5	Aluminum	12000		J	41	mg/kg	6100-SED22A
BG501	Sediment	04/20/2021	1	7440-36-0	Antimony	12	U*	UJ	12	mg/kg	6100-SED22A
BG501	Sediment	04/20/2021	1	7440-38-2	Arsenic	9.5		J	2.1	mg/kg	6100-SED22A
BG501	Sediment	04/20/2021	1	7440-39-3	Barium	41	J	UJ	41	mg/kg	6100-SED22A
BG501	Sediment	04/20/2021	1	7440-41-7	Beryllium	1.0	J	UJ	1.0	mg/kg	6100-SED22A
BG501	Sediment	04/20/2021	1	7440-43-9	Cadmium	0.58	J	J	1.0	mg/kg	6100-SED22A
BG501	Sediment	04/20/2021	1	7440-70-2	Calcium	2800		J	1000	mg/kg	6100-SED22A
BG501	Sediment	04/20/2021	1	7440-47-3	Chromium	35		J	2.1	mg/kg	6100-SED22A
BG501	Sediment	04/20/2021	1	7440-48-4	Cobalt	7.5	J	J	10	mg/kg	6100-SED22A
BG501	Sediment	04/20/2021	1	7440-50-8	Copper	11		J	5.1	mg/kg	6100-SED22A
BG501	Sediment	04/20/2021	1	7439-89-6	Iron	28000		J	21	mg/kg	6100-SED22A
BG501	Sediment	04/20/2021	1	7439-92-1	Lead	11		J	2.1	mg/kg	6100-SED22A
BG501	Sediment	04/20/2021	1	7439-95-4	Magnesium	5100		J	1000	mg/kg	6100-SED22A
BG501	Sediment	04/20/2021	1	7439-96-5	Manganese	220		J	3.1	mg/kg	6100-SED22A
BG501	Sediment	04/20/2021	1	7440-02-0	Nickel	24		J	8.2	mg/kg	6100-SED22A
BG501	Sediment	04/20/2021	1	7440-09-7	Potassium	3200		J	1000	mg/kg	6100-SED22A
BG501	Sediment	04/20/2021	1	7782-49-2	Selenium	7.2	U	UJ	7.2	mg/kg	6100-SED22A
BG501	Sediment	04/20/2021	1	7440-22-4	Silver	2.1	U	UJ	2.1	mg/kg	6100-SED22A
BG501	Sediment	04/20/2021	1	7440-23-5	Sodium	4000		J	1000	mg/kg	6100-SED22A
BG501	Sediment	04/20/2021	1	7440-28-0	Thallium	5.1	U	UJ	5.1	mg/kg	6100-SED22A
BG501	Sediment	04/20/2021	1	7440-62-2	Vanadium	40		J	10	mg/kg	6100-SED22A
BG501	Sediment	04/20/2021	1	7440-66-6	Zinc	52		J	12	mg/kg	6100-SED22A
BG502	Sediment	04/20/2021	1	7429-90-5	Aluminum	10000		J	38	mg/kg	6100-SED22B
BG502	Sediment	04/20/2021	1	7440-36-0	Antimony	11	U*	UJ	11	mg/kg	6100-SED22B
BG502	Sediment	04/20/2021	1	7440-38-2	Arsenic	8.0		J	1.9	mg/kg	6100-SED22B
BG502	Sediment	04/20/2021	1	7440-39-3	Barium	38	J	UJ	38	mg/kg	6100-SED22B
BG502	Sediment	04/20/2021	1	7440-41-7	Beryllium	0.96	J	UJ	0.96	mg/kg	6100-SED22B
BG502	Sediment	04/20/2021	1	7440-43-9	Cadmium	0.50	J	J	0.96	mg/kg	6100-SED22B
BG502	Sediment	04/20/2021	1	7440-70-2	Calcium	2600		J	960	mg/kg	6100-SED22B
BG502	Sediment	04/20/2021	1	7440-47-3	Chromium	29		J	1.9	mg/kg	6100-SED22B
BG502	Sediment	04/20/2021	1	7440-48-4	Cobalt	6.5	J	J	9.6	mg/kg	6100-SED22B
BG502	Sediment	04/20/2021	1	7440-50-8	Copper	9.6		J	4.8	mg/kg	6100-SED22B
BG502	Sediment	04/20/2021	1	7439-89-6	Iron	23000		J	19	mg/kg	6100-SED22B
BG502	Sediment	04/20/2021	1	7439-92-1	Lead	9.5		J	1.9	mg/kg	6100-SED22B
BG502	Sediment	04/20/2021	1	7439-95-4	Magnesium	4700		J	960	mg/kg	6100-SED22B
BG502	Sediment	04/20/2021	1	7439-96-5	Manganese	180		J	2.9	mg/kg	6100-SED22B
BG502	Sediment	04/20/2021	1	7440-02-0	Nickel	20		J	7.6	mg/kg	6100-SED22B
BG502	Sediment	04/20/2021	1	7440-09-7	Potassium	2800		J	960	mg/kg	6100-SED22B
BG502	Sediment	04/20/2021	1	7782-49-2	Selenium	6.7	U	UJ	6.7	mg/kg	6100-SED22B
BG502	Sediment	04/20/2021	1	7440-22-4	Silver	1.9	U	UJ	1.9	mg/kg	6100-SED22B
BG502	Sediment	04/20/2021	1	7440-23-5	Sodium	6000		J	960	mg/kg	6100-SED22B
BG502	Sediment	04/20/2021	1	7440-28-0	Thallium	4.8	U	UJ	4.8	mg/kg	6100-SED22B
BG502	Sediment	04/20/2021	1	7440-62-2	Vanadium	36		J	9.6	mg/kg	6100-SED22B
BG502	Sediment	04/20/2021	1	7440-66-6	Zinc	48		J	11	mg/kg	6100-SED22B

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG503	Sediment	04/20/2021	1	7429-90-5	Aluminum	15000		J	41	mg/kg	6100-SED22C
BG503	Sediment	04/20/2021	1	7440-36-0	Antimony	12	U*	UJ	12	mg/kg	6100-SED22C
BG503	Sediment	04/20/2021	1	7440-38-2	Arsenic	12		J	2.0	mg/kg	6100-SED22C
BG503	Sediment	04/20/2021	1	7440-39-3	Barium	41	J	UJ	41	mg/kg	6100-SED22C
BG503	Sediment	04/20/2021	1	7440-41-7	Beryllium	1.0	J	UJ	1.0	mg/kg	6100-SED22C
BG503	Sediment	04/20/2021	1	7440-43-9	Cadmium	0.67	J	J	1.0	mg/kg	6100-SED22C
BG503	Sediment	04/20/2021	1	7440-70-2	Calcium	3000		J	1000	mg/kg	6100-SED22C
BG503	Sediment	04/20/2021	1	7440-47-3	Chromium	40		J	2.0	mg/kg	6100-SED22C
BG503	Sediment	04/20/2021	1	7440-48-4	Cobalt	9.0	J	J	10	mg/kg	6100-SED22C
BG503	Sediment	04/20/2021	1	7440-50-8	Copper	14		J	5.1	mg/kg	6100-SED22C
BG503	Sediment	04/20/2021	1	7439-89-6	Iron	32000		J	20	mg/kg	6100-SED22C
BG503	Sediment	04/20/2021	1	7439-92-1	Lead	12		J	2.0	mg/kg	6100-SED22C
BG503	Sediment	04/20/2021	1	7439-95-4	Magnesium	6300		J	1000	mg/kg	6100-SED22C
BG503	Sediment	04/20/2021	1	7439-96-5	Manganese	280		J	3.0	mg/kg	6100-SED22C
BG503	Sediment	04/20/2021	1	7440-02-0	Nickel	31		J	8.1	mg/kg	6100-SED22C
BG503	Sediment	04/20/2021	1	7440-09-7	Potassium	3800		J	1000	mg/kg	6100-SED22C
BG503	Sediment	04/20/2021	1	7782-49-2	Selenium	7.1	U	UJ	7.1	mg/kg	6100-SED22C
BG503	Sediment	04/20/2021	1	7440-22-4	Silver	2.0	U	UJ	2.0	mg/kg	6100-SED22C
BG503	Sediment	04/20/2021	1	7440-23-5	Sodium	8600		J	1000	mg/kg	6100-SED22C
BG503	Sediment	04/20/2021	1	7440-28-0	Thallium	5.1	U	UJ	5.1	mg/kg	6100-SED22C
BG503	Sediment	04/20/2021	1	7440-62-2	Vanadium	42		J	10	mg/kg	6100-SED22C
BG503	Sediment	04/20/2021	1	7440-66-6	Zinc	61		J	12	mg/kg	6100-SED22C
BG504	Sediment	04/20/2021	1	7429-90-5	Aluminum	2300			23	mg/kg	6100-SED23A
BG504	Sediment	04/20/2021	1	7440-36-0	Antimony	6.9	U*	U	6.9	mg/kg	6100-SED23A
BG504	Sediment	04/20/2021	1	7440-38-2	Arsenic	1.5			1.1	mg/kg	6100-SED23A
BG504	Sediment	04/20/2021	1	7440-39-3	Barium	23	J	U	23	mg/kg	6100-SED23A
BG504	Sediment	04/20/2021	1	7440-41-7	Beryllium	0.57	J	U	0.57	mg/kg	6100-SED23A
BG504	Sediment	04/20/2021	1	7440-43-9	Cadmium	0.57	U	U	0.57	mg/kg	6100-SED23A
BG504	Sediment	04/20/2021	1	7440-70-2	Calcium	570	J	U	570	mg/kg	6100-SED23A
BG504	Sediment	04/20/2021	1	7440-47-3	Chromium	6.0			1.1	mg/kg	6100-SED23A
BG504	Sediment	04/20/2021	1	7440-48-4	Cobalt	4.6	J	J	5.7	mg/kg	6100-SED23A
BG504	Sediment	04/20/2021	1	7440-50-8	Copper	1.5	J	J	2.9	mg/kg	6100-SED23A
BG504	Sediment	04/20/2021	1	7439-89-6	Iron	4000			11	mg/kg	6100-SED23A
BG504	Sediment	04/20/2021	1	7439-92-1	Lead	2.2			1.1	mg/kg	6100-SED23A
BG504	Sediment	04/20/2021	1	7439-95-4	Magnesium	930			570	mg/kg	6100-SED23A
BG504	Sediment	04/20/2021	1	7439-96-5	Manganese	56			1.7	mg/kg	6100-SED23A
BG504	Sediment	04/20/2021	1	7440-02-0	Nickel	8.7			4.6	mg/kg	6100-SED23A
BG504	Sediment	04/20/2021	1	7440-09-7	Potassium	530	J	J	570	mg/kg	6100-SED23A
BG504	Sediment	04/20/2021	1	7782-49-2	Selenium	4.0	U	U	4.0	mg/kg	6100-SED23A
BG504	Sediment	04/20/2021	1	7440-22-4	Silver	1.1	U	U	1.1	mg/kg	6100-SED23A
BG504	Sediment	04/20/2021	1	7440-23-5	Sodium	570	J	U	570	mg/kg	6100-SED23A
BG504	Sediment	04/20/2021	1	7440-28-0	Thallium	2.9	U	U	2.9	mg/kg	6100-SED23A
BG504	Sediment	04/20/2021	1	7440-62-2	Vanadium	6.5			5.7	mg/kg	6100-SED23A
BG504	Sediment	04/20/2021	1	7440-66-6	Zinc	8.7			6.9	mg/kg	6100-SED23A
BG505	Sediment	04/20/2021	1	7429-90-5	Aluminum	11000			32	mg/kg	6100-SED23B
BG505	Sediment	04/20/2021	1	7440-36-0	Antimony	9.6	U*	U	9.6	mg/kg	6100-SED23B
BG505	Sediment	04/20/2021	1	7440-38-2	Arsenic	6.5			1.6	mg/kg	6100-SED23B
BG505	Sediment	04/20/2021	1	7440-39-3	Barium	32	J	U	32	mg/kg	6100-SED23B
BG505	Sediment	04/20/2021	1	7440-41-7	Beryllium	0.80	J	U	0.80	mg/kg	6100-SED23B
BG505	Sediment	04/20/2021	1	7440-43-9	Cadmium	0.31	J	J	0.80	mg/kg	6100-SED23B
BG505	Sediment	04/20/2021	1	7440-70-2	Calcium	2800			800	mg/kg	6100-SED23B
BG505	Sediment	04/20/2021	1	7440-47-3	Chromium	28			1.6	mg/kg	6100-SED23B
BG505	Sediment	04/20/2021	1	7440-48-4	Cobalt	6.3	J	J	8.0	mg/kg	6100-SED23B
BG505	Sediment	04/20/2021	1	7440-50-8	Copper	8.4			4.0	mg/kg	6100-SED23B
BG505	Sediment	04/20/2021	1	7439-89-6	Iron	21000			16	mg/kg	6100-SED23B
BG505	Sediment	04/20/2021	1	7439-92-1	Lead	8.7			1.6	mg/kg	6100-SED23B
BG505	Sediment	04/20/2021	1	7439-95-4	Magnesium	4300			800	mg/kg	6100-SED23B
BG505	Sediment	04/20/2021	1	7439-96-5	Manganese	200			2.4	mg/kg	6100-SED23B
BG505	Sediment	04/20/2021	1	7440-02-0	Nickel	18			6.4	mg/kg	6100-SED23B
BG505	Sediment	04/20/2021	1	7440-09-7	Potassium	2900			800	mg/kg	6100-SED23B
BG505	Sediment	04/20/2021	1	7782-49-2	Selenium	5.6	U	U	5.6	mg/kg	6100-SED23B
BG505	Sediment	04/20/2021	1	7440-22-4	Silver	1.6	U	U	1.6	mg/kg	6100-SED23B
BG505	Sediment	04/20/2021	1	7440-23-5	Sodium	2800			800	mg/kg	6100-SED23B
BG505	Sediment	04/20/2021	1	7440-28-0	Thallium	4.0	U	U	4.0	mg/kg	6100-SED23B
BG505	Sediment	04/20/2021	1	7440-62-2	Vanadium	32			8.0	mg/kg	6100-SED23B
BG505	Sediment	04/20/2021	1	7440-66-6	Zinc	45			9.6	mg/kg	6100-SED23B

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG506	Sediment	04/20/2021	1	7429-90-5	Aluminum	11000			31	mg/kg	6100-SED23C
BG506	Sediment	04/20/2021	1	7440-36-0	Antimony	9.2	U*	U	9.2	mg/kg	6100-SED23C
BG506	Sediment	04/20/2021	1	7440-38-2	Arsenic	7.6			1.5	mg/kg	6100-SED23C
BG506	Sediment	04/20/2021	1	7440-39-3	Barium	31	J	U	31	mg/kg	6100-SED23C
BG506	Sediment	04/20/2021	1	7440-41-7	Beryllium	0.77	J	U	0.77	mg/kg	6100-SED23C
BG506	Sediment	04/20/2021	1	7440-43-9	Cadmium	0.31	J	J	0.77	mg/kg	6100-SED23C
BG506	Sediment	04/20/2021	1	7440-70-2	Calcium	2700			770	mg/kg	6100-SED23C
BG506	Sediment	04/20/2021	1	7440-47-3	Chromium	28			1.5	mg/kg	6100-SED23C
BG506	Sediment	04/20/2021	1	7440-48-4	Cobalt	6.6	J	J	7.7	mg/kg	6100-SED23C
BG506	Sediment	04/20/2021	1	7440-50-8	Copper	8.4			3.8	mg/kg	6100-SED23C
BG506	Sediment	04/20/2021	1	7439-89-6	Iron	22000			15	mg/kg	6100-SED23C
BG506	Sediment	04/20/2021	1	7439-92-1	Lead	8.8			1.5	mg/kg	6100-SED23C
BG506	Sediment	04/20/2021	1	7439-95-4	Magnesium	4500			770	mg/kg	6100-SED23C
BG506	Sediment	04/20/2021	1	7439-96-5	Manganese	230			2.3	mg/kg	6100-SED23C
BG506	Sediment	04/20/2021	1	7440-02-0	Nickel	20			6.1	mg/kg	6100-SED23C
BG506	Sediment	04/20/2021	1	7440-09-7	Potassium	2900			770	mg/kg	6100-SED23C
BG506	Sediment	04/20/2021	1	7782-49-2	Selenium	5.4	U	U	5.4	mg/kg	6100-SED23C
BG506	Sediment	04/20/2021	1	7440-22-4	Silver	1.5	U	U	1.5	mg/kg	6100-SED23C
BG506	Sediment	04/20/2021	1	7440-23-5	Sodium	4500			770	mg/kg	6100-SED23C
BG506	Sediment	04/20/2021	1	7440-28-0	Thallium	3.8	U	U	3.8	mg/kg	6100-SED23C
BG506	Sediment	04/20/2021	1	7440-62-2	Vanadium	32			7.7	mg/kg	6100-SED23C
BG506	Sediment	04/20/2021	1	7440-66-6	Zinc	47			9.2	mg/kg	6100-SED23C
BG507	Sediment	04/20/2021	1	7429-90-5	Aluminum	15000			30	mg/kg	6100-SED24A
BG507	Sediment	04/20/2021	1	7440-36-0	Antimony	8.9	U*	U	8.9	mg/kg	6100-SED24A
BG507	Sediment	04/20/2021	1	7440-38-2	Arsenic	7.8			1.5	mg/kg	6100-SED24A
BG507	Sediment	04/20/2021	1	7440-39-3	Barium	30			30	mg/kg	6100-SED24A
BG507	Sediment	04/20/2021	1	7440-41-7	Beryllium	0.80			0.74	mg/kg	6100-SED24A
BG507	Sediment	04/20/2021	1	7440-43-9	Cadmium	0.30	J	J	0.74	mg/kg	6100-SED24A
BG507	Sediment	04/20/2021	1	7440-70-2	Calcium	1600			740	mg/kg	6100-SED24A
BG507	Sediment	04/20/2021	1	7440-47-3	Chromium	38			1.5	mg/kg	6100-SED24A
BG507	Sediment	04/20/2021	1	7440-48-4	Cobalt	11			7.4	mg/kg	6100-SED24A
BG507	Sediment	04/20/2021	1	7440-50-8	Copper	27			3.7	mg/kg	6100-SED24A
BG507	Sediment	04/20/2021	1	7439-89-6	Iron	25000			15	mg/kg	6100-SED24A
BG507	Sediment	04/20/2021	1	7439-92-1	Lead	18			1.5	mg/kg	6100-SED24A
BG507	Sediment	04/20/2021	1	7439-95-4	Magnesium	5100			740	mg/kg	6100-SED24A
BG507	Sediment	04/20/2021	1	7439-96-5	Manganese	230			2.2	mg/kg	6100-SED24A
BG507	Sediment	04/20/2021	1	7440-02-0	Nickel	73			5.9	mg/kg	6100-SED24A
BG507	Sediment	04/20/2021	1	7440-09-7	Potassium	2400			740	mg/kg	6100-SED24A
BG507	Sediment	04/20/2021	1	7782-49-2	Selenium	5.2	U	U	5.2	mg/kg	6100-SED24A
BG507	Sediment	04/20/2021	1	7440-22-4	Silver	1.5	U	U	1.5	mg/kg	6100-SED24A
BG507	Sediment	04/20/2021	1	7440-23-5	Sodium	4200			740	mg/kg	6100-SED24A
BG507	Sediment	04/20/2021	1	7440-28-0	Thallium	3.7	U	U	3.7	mg/kg	6100-SED24A
BG507	Sediment	04/20/2021	1	7440-62-2	Vanadium	42			7.4	mg/kg	6100-SED24A
BG507	Sediment	04/20/2021	1	7440-66-6	Zinc	58			8.9	mg/kg	6100-SED24A
BG508	Sediment	04/20/2021	1	7429-90-5	Aluminum	14000			30	mg/kg	6100-SED24B
BG508	Sediment	04/20/2021	1	7440-36-0	Antimony	9.1	U*	U	9.1	mg/kg	6100-SED24B
BG508	Sediment	04/20/2021	1	7440-38-2	Arsenic	8.8			1.5	mg/kg	6100-SED24B
BG508	Sediment	04/20/2021	1	7440-39-3	Barium	62			30	mg/kg	6100-SED24B
BG508	Sediment	04/20/2021	1	7440-41-7	Beryllium	0.76	J	U	0.76	mg/kg	6100-SED24B
BG508	Sediment	04/20/2021	1	7440-43-9	Cadmium	0.61	J	J	0.76	mg/kg	6100-SED24B
BG508	Sediment	04/20/2021	1	7440-70-2	Calcium	1700			760	mg/kg	6100-SED24B
BG508	Sediment	04/20/2021	1	7440-47-3	Chromium	37			1.5	mg/kg	6100-SED24B
BG508	Sediment	04/20/2021	1	7440-48-4	Cobalt	9.5			7.6	mg/kg	6100-SED24B
BG508	Sediment	04/20/2021	1	7440-50-8	Copper	35			3.8	mg/kg	6100-SED24B
BG508	Sediment	04/20/2021	1	7439-89-6	Iron	24000			15	mg/kg	6100-SED24B
BG508	Sediment	04/20/2021	1	7439-92-1	Lead	55			1.5	mg/kg	6100-SED24B
BG508	Sediment	04/20/2021	1	7439-95-4	Magnesium	5200			760	mg/kg	6100-SED24B
BG508	Sediment	04/20/2021	1	7439-96-5	Manganese	210			2.3	mg/kg	6100-SED24B
BG508	Sediment	04/20/2021	1	7440-02-0	Nickel	55			6.1	mg/kg	6100-SED24B
BG508	Sediment	04/20/2021	1	7440-09-7	Potassium	2700			760	mg/kg	6100-SED24B
BG508	Sediment	04/20/2021	1	7782-49-2	Selenium	5.3	U	U	5.3	mg/kg	6100-SED24B
BG508	Sediment	04/20/2021	1	7440-22-4	Silver	1.5	U	U	1.5	mg/kg	6100-SED24B
BG508	Sediment	04/20/2021	1	7440-23-5	Sodium	6100			760	mg/kg	6100-SED24B
BG508	Sediment	04/20/2021	1	7440-28-0	Thallium	3.8	U	U	3.8	mg/kg	6100-SED24B
BG508	Sediment	04/20/2021	1	7440-62-2	Vanadium	40			7.6	mg/kg	6100-SED24B
BG508	Sediment	04/20/2021	1	7440-66-6	Zinc	140			9.1	mg/kg	6100-SED24B

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG509	Sediment	04/20/2021	1	7429-90-5	Aluminum	14000		J	44	mg/kg	6100-SED24C
BG509	Sediment	04/20/2021	1	7440-36-0	Antimony	13	U*	UJ	13	mg/kg	6100-SED24C
BG509	Sediment	04/20/2021	1	7440-38-2	Arsenic	18		J	2.2	mg/kg	6100-SED24C
BG509	Sediment	04/20/2021	1	7440-39-3	Barium	130		J	44	mg/kg	6100-SED24C
BG509	Sediment	04/20/2021	1	7440-41-7	Beryllium	1.1	J	UJ	1.1	mg/kg	6100-SED24C
BG509	Sediment	04/20/2021	1	7440-43-9	Cadmium	2.4		J	1.1	mg/kg	6100-SED24C
BG509	Sediment	04/20/2021	1	7440-70-2	Calcium	3800		J	1100	mg/kg	6100-SED24C
BG509	Sediment	04/20/2021	1	7440-47-3	Chromium	76		J	2.2	mg/kg	6100-SED24C
BG509	Sediment	04/20/2021	1	7440-48-4	Cobalt	12		J	11	mg/kg	6100-SED24C
BG509	Sediment	04/20/2021	1	7440-50-8	Copper	420		J	5.5	mg/kg	6100-SED24C
BG509	Sediment	04/20/2021	1	7439-89-6	Iron	31000		J	22	mg/kg	6100-SED24C
BG509	Sediment	04/20/2021	1	7439-92-1	Lead	330		J	2.2	mg/kg	6100-SED24C
BG509	Sediment	04/20/2021	1	7439-95-4	Magnesium	7400		J	1100	mg/kg	6100-SED24C
BG509	Sediment	04/20/2021	1	7439-96-5	Manganese	230		J	3.3	mg/kg	6100-SED24C
BG509	Sediment	04/20/2021	1	7440-02-0	Nickel	73		J	8.8	mg/kg	6100-SED24C
BG509	Sediment	04/20/2021	1	7440-09-7	Potassium	3600		J	1100	mg/kg	6100-SED24C
BG509	Sediment	04/20/2021	1	7782-49-2	Selenium	7.7	U	UJ	7.7	mg/kg	6100-SED24C
BG509	Sediment	04/20/2021	1	7440-22-4	Silver	1.4	J	J	2.2	mg/kg	6100-SED24C
BG509	Sediment	04/20/2021	1	7440-23-5	Sodium	12000		J	1100	mg/kg	6100-SED24C
BG509	Sediment	04/20/2021	1	7440-28-0	Thallium	5.5	U	UJ	5.5	mg/kg	6100-SED24C
BG509	Sediment	04/20/2021	1	7440-62-2	Vanadium	65		J	11	mg/kg	6100-SED24C
BG509	Sediment	04/20/2021	1	7440-66-6	Zinc	480		J	13	mg/kg	6100-SED24C
BG510	Sediment	04/20/2021	1	7429-90-5	Aluminum	5400			24	mg/kg	6100-SED25A
BG510	Sediment	04/20/2021	1	7440-36-0	Antimony	7.3	U*	U	7.3	mg/kg	6100-SED25A
BG510	Sediment	04/20/2021	1	7440-38-2	Arsenic	2.2			1.2	mg/kg	6100-SED25A
BG510	Sediment	04/20/2021	1	7440-39-3	Barium	24	J	U	24	mg/kg	6100-SED25A
BG510	Sediment	04/20/2021	1	7440-41-7	Beryllium	0.61	J	U	0.61	mg/kg	6100-SED25A
BG510	Sediment	04/20/2021	1	7440-43-9	Cadmium	0.14	J	J	0.61	mg/kg	6100-SED25A
BG510	Sediment	04/20/2021	1	7440-70-2	Calcium	1200			610	mg/kg	6100-SED25A
BG510	Sediment	04/20/2021	1	7440-47-3	Chromium	19			1.2	mg/kg	6100-SED25A
BG510	Sediment	04/20/2021	1	7440-48-4	Cobalt	5.8	J	J	6.1	mg/kg	6100-SED25A
BG510	Sediment	04/20/2021	1	7440-50-8	Copper	9.8			3.0	mg/kg	6100-SED25A
BG510	Sediment	04/20/2021	1	7439-89-6	Iron	12000			12	mg/kg	6100-SED25A
BG510	Sediment	04/20/2021	1	7439-92-1	Lead	6.8			1.2	mg/kg	6100-SED25A
BG510	Sediment	04/20/2021	1	7439-95-4	Magnesium	2600			610	mg/kg	6100-SED25A
BG510	Sediment	04/20/2021	1	7439-96-5	Manganese	84			1.8	mg/kg	6100-SED25A
BG510	Sediment	04/20/2021	1	7440-02-0	Nickel	40			4.9	mg/kg	6100-SED25A
BG510	Sediment	04/20/2021	1	7440-09-7	Potassium	1000			610	mg/kg	6100-SED25A
BG510	Sediment	04/20/2021	1	7782-49-2	Selenium	4.2	U	U	4.2	mg/kg	6100-SED25A
BG510	Sediment	04/20/2021	1	7440-22-4	Silver	1.2	U	U	1.2	mg/kg	6100-SED25A
BG510	Sediment	04/20/2021	1	7440-23-5	Sodium	1500			610	mg/kg	6100-SED25A
BG510	Sediment	04/20/2021	1	7440-28-0	Thallium	3.0	U	U	3.0	mg/kg	6100-SED25A
BG510	Sediment	04/20/2021	1	7440-62-2	Vanadium	18			6.1	mg/kg	6100-SED25A
BG510	Sediment	04/20/2021	1	7440-66-6	Zinc	25			7.3	mg/kg	6100-SED25A
BG511	Sediment	04/20/2021	1	7429-90-5	Aluminum	22000			38	mg/kg	6100-SED25B
BG511	Sediment	04/20/2021	1	7440-36-0	Antimony	12	U*	U	12	mg/kg	6100-SED25B
BG511	Sediment	04/20/2021	1	7440-38-2	Arsenic	8.8			1.9	mg/kg	6100-SED25B
BG511	Sediment	04/20/2021	1	7440-39-3	Barium	62			38	mg/kg	6100-SED25B
BG511	Sediment	04/20/2021	1	7440-41-7	Beryllium	1.2			0.96	mg/kg	6100-SED25B
BG511	Sediment	04/20/2021	1	7440-43-9	Cadmium	0.49	J	J	0.96	mg/kg	6100-SED25B
BG511	Sediment	04/20/2021	1	7440-70-2	Calcium	2100			960	mg/kg	6100-SED25B
BG511	Sediment	04/20/2021	1	7440-47-3	Chromium	65			1.9	mg/kg	6100-SED25B
BG511	Sediment	04/20/2021	1	7440-48-4	Cobalt	17			9.6	mg/kg	6100-SED25B
BG511	Sediment	04/20/2021	1	7440-50-8	Copper	38			4.8	mg/kg	6100-SED25B
BG511	Sediment	04/20/2021	1	7439-89-6	Iron	33000			19	mg/kg	6100-SED25B
BG511	Sediment	04/20/2021	1	7439-92-1	Lead	34			1.9	mg/kg	6100-SED25B
BG511	Sediment	04/20/2021	1	7439-95-4	Magnesium	7400			960	mg/kg	6100-SED25B
BG511	Sediment	04/20/2021	1	7439-96-5	Manganese	420			2.9	mg/kg	6100-SED25B
BG511	Sediment	04/20/2021	1	7440-02-0	Nickel	110			7.7	mg/kg	6100-SED25B
BG511	Sediment	04/20/2021	1	7440-09-7	Potassium	3600			960	mg/kg	6100-SED25B
BG511	Sediment	04/20/2021	1	7782-49-2	Selenium	6.7	U	U	6.7	mg/kg	6100-SED25B
BG511	Sediment	04/20/2021	1	7440-22-4	Silver	1.9	U	U	1.9	mg/kg	6100-SED25B
BG511	Sediment	04/20/2021	1	7440-23-5	Sodium	7700			960	mg/kg	6100-SED25B
BG511	Sediment	04/20/2021	1	7440-28-0	Thallium	4.8	U	U	4.8	mg/kg	6100-SED25B
BG511	Sediment	04/20/2021	1	7440-62-2	Vanadium	62			9.6	mg/kg	6100-SED25B
BG511	Sediment	04/20/2021	1	7440-66-6	Zinc	100			12	mg/kg	6100-SED25B

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG512	Sediment	04/20/2021	1	7429-90-5	Aluminum	19000		J	62	mg/kg	6100-SED25C
BG512	Sediment	04/20/2021	1	7440-36-0	Antimony	2.6	J*	J	18	mg/kg	6100-SED25C
BG512	Sediment	04/20/2021	1	7440-38-2	Arsenic	18		J	3.1	mg/kg	6100-SED25C
BG512	Sediment	04/20/2021	1	7440-39-3	Barium	110		J	62	mg/kg	6100-SED25C
BG512	Sediment	04/20/2021	1	7440-41-7	Beryllium	1.5	J	UJ	1.5	mg/kg	6100-SED25C
BG512	Sediment	04/20/2021	1	7440-43-9	Cadmium	1.4	J	J	1.5	mg/kg	6100-SED25C
BG512	Sediment	04/20/2021	1	7440-70-2	Calcium	4300		J	1500	mg/kg	6100-SED25C
BG512	Sediment	04/20/2021	1	7440-47-3	Chromium	59		J	3.1	mg/kg	6100-SED25C
BG512	Sediment	04/20/2021	1	7440-48-4	Cobalt	16		J	15	mg/kg	6100-SED25C
BG512	Sediment	04/20/2021	1	7440-50-8	Copper	110		J	7.7	mg/kg	6100-SED25C
BG512	Sediment	04/20/2021	1	7439-89-6	Iron	48000		J	31	mg/kg	6100-SED25C
BG512	Sediment	04/20/2021	1	7439-92-1	Lead	180		J	3.1	mg/kg	6100-SED25C
BG512	Sediment	04/20/2021	1	7439-95-4	Magnesium	8400		J	1500	mg/kg	6100-SED25C
BG512	Sediment	04/20/2021	1	7439-96-5	Manganese	360		J	4.6	mg/kg	6100-SED25C
BG512	Sediment	04/20/2021	1	7440-02-0	Nickel	69		J	12	mg/kg	6100-SED25C
BG512	Sediment	04/20/2021	1	7440-09-7	Potassium	4000		J	1500	mg/kg	6100-SED25C
BG512	Sediment	04/20/2021	1	7782-49-2	Selenium	11	U	UJ	11	mg/kg	6100-SED25C
BG512	Sediment	04/20/2021	1	7440-22-4	Silver	0.68	J	J	3.1	mg/kg	6100-SED25C
BG512	Sediment	04/20/2021	1	7440-23-5	Sodium	19000		J	1500	mg/kg	6100-SED25C
BG512	Sediment	04/20/2021	1	7440-28-0	Thallium	7.7	U	UJ	7.7	mg/kg	6100-SED25C
BG512	Sediment	04/20/2021	1	7440-62-2	Vanadium	63		J	15	mg/kg	6100-SED25C
BG512	Sediment	04/20/2021	1	7440-66-6	Zinc	270		J	18	mg/kg	6100-SED25C
BG513	Sediment	04/20/2021	1	7429-90-5	Aluminum	4400			24	mg/kg	6100-SED26A
BG513	Sediment	04/20/2021	1	7440-36-0	Antimony	7.1	U*	U	7.1	mg/kg	6100-SED26A
BG513	Sediment	04/20/2021	1	7440-38-2	Arsenic	1.4			1.2	mg/kg	6100-SED26A
BG513	Sediment	04/20/2021	1	7440-39-3	Barium	24	J	U	24	mg/kg	6100-SED26A
BG513	Sediment	04/20/2021	1	7440-41-7	Beryllium	0.59	J	U	0.59	mg/kg	6100-SED26A
BG513	Sediment	04/20/2021	1	7440-43-9	Cadmium	0.11	J	J	0.59	mg/kg	6100-SED26A
BG513	Sediment	04/20/2021	1	7440-70-2	Calcium	910			590	mg/kg	6100-SED26A
BG513	Sediment	04/20/2021	1	7440-47-3	Chromium	14			1.2	mg/kg	6100-SED26A
BG513	Sediment	04/20/2021	1	7440-48-4	Cobalt	4.9	J	J	5.9	mg/kg	6100-SED26A
BG513	Sediment	04/20/2021	1	7440-50-8	Copper	8.2			2.9	mg/kg	6100-SED26A
BG513	Sediment	04/20/2021	1	7439-89-6	Iron	10000			12	mg/kg	6100-SED26A
BG513	Sediment	04/20/2021	1	7439-92-1	Lead	4.5			1.2	mg/kg	6100-SED26A
BG513	Sediment	04/20/2021	1	7439-95-4	Magnesium	2200			590	mg/kg	6100-SED26A
BG513	Sediment	04/20/2021	1	7439-96-5	Manganese	67			1.8	mg/kg	6100-SED26A
BG513	Sediment	04/20/2021	1	7440-02-0	Nickel	37			4.7	mg/kg	6100-SED26A
BG513	Sediment	04/20/2021	1	7440-09-7	Potassium	860			590	mg/kg	6100-SED26A
BG513	Sediment	04/20/2021	1	7782-49-2	Selenium	4.1	U	U	4.1	mg/kg	6100-SED26A
BG513	Sediment	04/20/2021	1	7440-22-4	Silver	1.2	U	U	1.2	mg/kg	6100-SED26A
BG513	Sediment	04/20/2021	1	7440-23-5	Sodium	1200			590	mg/kg	6100-SED26A
BG513	Sediment	04/20/2021	1	7440-28-0	Thallium	2.9	U	U	2.9	mg/kg	6100-SED26A
BG513	Sediment	04/20/2021	1	7440-62-2	Vanadium	16			5.9	mg/kg	6100-SED26A
BG513	Sediment	04/20/2021	1	7440-66-6	Zinc	21			7.1	mg/kg	6100-SED26A
BG573	Sediment	04/20/2021	1	7429-90-5	Aluminum	2200			24	mg/kg	6100-SED06A
BG573	Sediment	04/20/2021	1	7440-36-0	Antimony	7.2	U*	U	7.2	mg/kg	6100-SED06A
BG573	Sediment	04/20/2021	1	7440-38-2	Arsenic	1.6			1.2	mg/kg	6100-SED06A
BG573	Sediment	04/20/2021	1	7440-39-3	Barium	24	J	U	24	mg/kg	6100-SED06A
BG573	Sediment	04/20/2021	1	7440-41-7	Beryllium	0.60	J	U	0.60	mg/kg	6100-SED06A
BG573	Sediment	04/20/2021	1	7440-43-9	Cadmium	0.60	U	U	0.60	mg/kg	6100-SED06A
BG573	Sediment	04/20/2021	1	7440-70-2	Calcium	600	J	U	600	mg/kg	6100-SED06A
BG573	Sediment	04/20/2021	1	7440-47-3	Chromium	5.5			1.2	mg/kg	6100-SED06A
BG573	Sediment	04/20/2021	1	7440-48-4	Cobalt	1.6	J	J	6.0	mg/kg	6100-SED06A
BG573	Sediment	04/20/2021	1	7440-50-8	Copper	1.7	J	J	3.0	mg/kg	6100-SED06A
BG573	Sediment	04/20/2021	1	7439-89-6	Iron	4100			12	mg/kg	6100-SED06A
BG573	Sediment	04/20/2021	1	7439-92-1	Lead	2.2			1.2	mg/kg	6100-SED06A
BG573	Sediment	04/20/2021	1	7439-95-4	Magnesium	1100			600	mg/kg	6100-SED06A
BG573	Sediment	04/20/2021	1	7439-96-5	Manganese	41			1.8	mg/kg	6100-SED06A
BG573	Sediment	04/20/2021	1	7440-02-0	Nickel	3.9	J	J	4.8	mg/kg	6100-SED06A
BG573	Sediment	04/20/2021	1	7440-09-7	Potassium	600			600	mg/kg	6100-SED06A
BG573	Sediment	04/20/2021	1	7782-49-2	Selenium	4.2	U	U	4.2	mg/kg	6100-SED06A
BG573	Sediment	04/20/2021	1	7440-22-4	Silver	1.2	U	U	1.2	mg/kg	6100-SED06A
BG573	Sediment	04/20/2021	1	7440-23-5	Sodium	1800			600	mg/kg	6100-SED06A
BG573	Sediment	04/20/2021	1	7440-28-0	Thallium	3.0	U	U	3.0	mg/kg	6100-SED06A
BG573	Sediment	04/20/2021	1	7440-62-2	Vanadium	6.7			6.0	mg/kg	6100-SED06A
BG573	Sediment	04/20/2021	1	7440-66-6	Zinc	8.7			7.2	mg/kg	6100-SED06A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG574	Sediment	04/20/2021	1	7429-90-5	Aluminum	1800			23	mg/kg	6100-SED06B
BG574	Sediment	04/20/2021	1	7440-36-0	Antimony	7.0	U*	U	7.0	mg/kg	6100-SED06B
BG574	Sediment	04/20/2021	1	7440-38-2	Arsenic	1.5			1.2	mg/kg	6100-SED06B
BG574	Sediment	04/20/2021	1	7440-39-3	Barium	23	J	U	23	mg/kg	6100-SED06B
BG574	Sediment	04/20/2021	1	7440-41-7	Beryllium	0.58	J	U	0.58	mg/kg	6100-SED06B
BG574	Sediment	04/20/2021	1	7440-43-9	Cadmium	0.066	J	J	0.58	mg/kg	6100-SED06B
BG574	Sediment	04/20/2021	1	7440-70-2	Calcium	580	J	U	580	mg/kg	6100-SED06B
BG574	Sediment	04/20/2021	1	7440-47-3	Chromium	4.9			1.2	mg/kg	6100-SED06B
BG574	Sediment	04/20/2021	1	7440-48-4	Cobalt	1.5	J	J	5.8	mg/kg	6100-SED06B
BG574	Sediment	04/20/2021	1	7440-50-8	Copper	1.7	J	J	2.9	mg/kg	6100-SED06B
BG574	Sediment	04/20/2021	1	7439-89-6	Iron	3500			12	mg/kg	6100-SED06B
BG574	Sediment	04/20/2021	1	7439-92-1	Lead	2.6			1.2	mg/kg	6100-SED06B
BG574	Sediment	04/20/2021	1	7439-95-4	Magnesium	910			580	mg/kg	6100-SED06B
BG574	Sediment	04/20/2021	1	7439-96-5	Manganese	38			1.7	mg/kg	6100-SED06B
BG574	Sediment	04/20/2021	1	7440-02-0	Nickel	3.8	J	J	4.7	mg/kg	6100-SED06B
BG574	Sediment	04/20/2021	1	7440-09-7	Potassium	500	J	J	580	mg/kg	6100-SED06B
BG574	Sediment	04/20/2021	1	7782-49-2	Selenium	4.1	U	U	4.1	mg/kg	6100-SED06B
BG574	Sediment	04/20/2021	1	7440-22-4	Silver	1.2	U	U	1.2	mg/kg	6100-SED06B
BG574	Sediment	04/20/2021	1	7440-23-5	Sodium	1800			580	mg/kg	6100-SED06B
BG574	Sediment	04/20/2021	1	7440-28-0	Thallium	2.9	U	U	2.9	mg/kg	6100-SED06B
BG574	Sediment	04/20/2021	1	7440-62-2	Vanadium	6.1			5.8	mg/kg	6100-SED06B
BG574	Sediment	04/20/2021	1	7440-66-6	Zinc	8.5			7.0	mg/kg	6100-SED06B
BG575	Sediment	04/20/2021	1	7429-90-5	Aluminum	1100			26	mg/kg	6100-SED06C
BG575	Sediment	04/20/2021	1	7440-36-0	Antimony	7.8	U*	U	7.8	mg/kg	6100-SED06C
BG575	Sediment	04/20/2021	1	7440-38-2	Arsenic	0.80	J	J	1.3	mg/kg	6100-SED06C
BG575	Sediment	04/20/2021	1	7440-39-3	Barium	26	J	U	26	mg/kg	6100-SED06C
BG575	Sediment	04/20/2021	1	7440-41-7	Beryllium	0.65	J	U	0.65	mg/kg	6100-SED06C
BG575	Sediment	04/20/2021	1	7440-43-9	Cadmium	0.17	J	J	0.65	mg/kg	6100-SED06C
BG575	Sediment	04/20/2021	1	7440-70-2	Calcium	650	J	U	650	mg/kg	6100-SED06C
BG575	Sediment	04/20/2021	1	7440-47-3	Chromium	5.5			1.3	mg/kg	6100-SED06C
BG575	Sediment	04/20/2021	1	7440-48-4	Cobalt	1.0	J	J	6.5	mg/kg	6100-SED06C
BG575	Sediment	04/20/2021	1	7440-50-8	Copper	8.0			3.3	mg/kg	6100-SED06C
BG575	Sediment	04/20/2021	1	7439-89-6	Iron	2100			13	mg/kg	6100-SED06C
BG575	Sediment	04/20/2021	1	7439-92-1	Lead	12			1.3	mg/kg	6100-SED06C
BG575	Sediment	04/20/2021	1	7439-95-4	Magnesium	650	J	U	650	mg/kg	6100-SED06C
BG575	Sediment	04/20/2021	1	7439-96-5	Manganese	20			2.0	mg/kg	6100-SED06C
BG575	Sediment	04/20/2021	1	7440-02-0	Nickel	3.2	J	J	5.2	mg/kg	6100-SED06C
BG575	Sediment	04/20/2021	1	7440-09-7	Potassium	340	J	J	650	mg/kg	6100-SED06C
BG575	Sediment	04/20/2021	1	7782-49-2	Selenium	4.6	U	U	4.6	mg/kg	6100-SED06C
BG575	Sediment	04/20/2021	1	7440-22-4	Silver	1.3	U	U	1.3	mg/kg	6100-SED06C
BG575	Sediment	04/20/2021	1	7440-23-5	Sodium	1700			650	mg/kg	6100-SED06C
BG575	Sediment	04/20/2021	1	7440-28-0	Thallium	3.3	U	U	3.3	mg/kg	6100-SED06C
BG575	Sediment	04/20/2021	1	7440-62-2	Vanadium	3.9	J	J	6.5	mg/kg	6100-SED06C
BG575	Sediment	04/20/2021	1	7440-66-6	Zinc	22			7.8	mg/kg	6100-SED06C
LCS01		04/29/2021	1	7429-90-5	Aluminum	39		J+	20	mg/kg	
LCS01		04/29/2021	1	7440-36-0	Antimony	12			6.0	mg/kg	
LCS01		04/29/2021	1	7440-38-2	Arsenic	1.6			1.0	mg/kg	
LCS01		04/29/2021	1	7440-39-3	Barium	41		J+	20	mg/kg	
LCS01		04/29/2021	1	7440-41-7	Beryllium	0.99		J+	0.50	mg/kg	
LCS01		04/29/2021	1	7440-43-9	Cadmium	1.0			0.50	mg/kg	
LCS01		04/29/2021	1	7440-70-2	Calcium	1000		J+	500	mg/kg	
LCS01		04/29/2021	1	7440-47-3	Chromium	2.1			1.0	mg/kg	
LCS01		04/29/2021	1	7440-48-4	Cobalt	10			5.0	mg/kg	
LCS01		04/29/2021	1	7440-50-8	Copper	4.8			2.5	mg/kg	
LCS01		04/29/2021	1	7439-89-6	Iron	21		J+	10	mg/kg	
LCS01		04/29/2021	1	7439-92-1	Lead	2.0		J+	1.0	mg/kg	
LCS01		04/29/2021	1	7439-95-4	Magnesium	960		J+	500	mg/kg	
LCS01		04/29/2021	1	7439-96-5	Manganese	3.1		J+	1.5	mg/kg	
LCS01		04/29/2021	1	7440-02-0	Nickel	8.3			4.0	mg/kg	
LCS01		04/29/2021	1	7440-09-7	Potassium	940			500	mg/kg	
LCS01		04/29/2021	1	7782-49-2	Selenium	6.8			3.5	mg/kg	
LCS01		04/29/2021	1	7440-22-4	Silver	1.9			1.0	mg/kg	
LCS01		04/29/2021	1	7440-23-5	Sodium	960			500	mg/kg	
LCS01		04/29/2021	1	7440-28-0	Thallium	4.5			2.5	mg/kg	
LCS01		04/29/2021	1	7440-62-2	Vanadium	9.9			5.0	mg/kg	
LCS01		04/29/2021	1	7440-66-6	Zinc	12			6.0	mg/kg	

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG502S	Sediment	04/20/2021	1	7440-36-0	Antimony	14	*		11	mg/kg	6100-SED22B
BG502S	Sediment	04/20/2021	1	7440-38-2	Arsenic	20			1.9	mg/kg	6100-SED22B
BG502S	Sediment	04/20/2021	1	7440-39-3	Barium	730		J+	38	mg/kg	6100-SED22B
BG502S	Sediment	04/20/2021	1	7440-41-7	Beryllium	18		J+	0.96	mg/kg	6100-SED22B
BG502S	Sediment	04/20/2021	1	7440-43-9	Cadmium	17			0.96	mg/kg	6100-SED22B
BG502S	Sediment	04/20/2021	1	7440-47-3	Chromium	110			1.9	mg/kg	6100-SED22B
BG502S	Sediment	04/20/2021	1	7440-48-4	Cobalt	180			9.6	mg/kg	6100-SED22B
BG502S	Sediment	04/20/2021	1	7440-50-8	Copper	93			4.8	mg/kg	6100-SED22B
BG502S	Sediment	04/20/2021	1	7439-92-1	Lead	17		J+	1.9	mg/kg	6100-SED22B
BG502S	Sediment	04/20/2021	1	7439-96-5	Manganese	370		J+	2.9	mg/kg	6100-SED22B
BG502S	Sediment	04/20/2021	1	7440-02-0	Nickel	210			7.6	mg/kg	6100-SED22B
BG502S	Sediment	04/20/2021	1	7782-49-2	Selenium	31			6.7	mg/kg	6100-SED22B
BG502S	Sediment	04/20/2021	1	7440-22-4	Silver	16			1.9	mg/kg	6100-SED22B
BG502S	Sediment	04/20/2021	1	7440-28-0	Thallium	15			4.8	mg/kg	6100-SED22B
BG502S	Sediment	04/20/2021	1	7440-62-2	Vanadium	210			9.6	mg/kg	6100-SED22B
BG502S	Sediment	04/20/2021	1	7440-66-6	Zinc	240			11	mg/kg	6100-SED22B
PBS01		04/29/2021	1	7429-90-5	Aluminum	20	U	U	20	mg/kg	
PBS01		04/29/2021	1	7440-36-0	Antimony	6.0	U	U	6.0	mg/kg	
PBS01		04/29/2021	1	7440-38-2	Arsenic	1.0	U	U	1.0	mg/kg	
PBS01		04/29/2021	1	7440-39-3	Barium	20	U	U	20	mg/kg	
PBS01		04/29/2021	1	7440-41-7	Beryllium	0.50	U	U	0.50	mg/kg	
PBS01		04/29/2021	1	7440-43-9	Cadmium	0.50	U	U	0.50	mg/kg	
PBS01		04/29/2021	1	7440-70-2	Calcium	500	U	U	500	mg/kg	
PBS01		04/29/2021	1	7440-47-3	Chromium	1.0	U	U	1.0	mg/kg	
PBS01		04/29/2021	1	7440-48-4	Cobalt	5.0	U	U	5.0	mg/kg	
PBS01		04/29/2021	1	7440-50-8	Copper	2.5	U	U	2.5	mg/kg	
PBS01		04/29/2021	1	7439-89-6	Iron	10	U	U	10	mg/kg	
PBS01		04/29/2021	1	7439-92-1	Lead	1.0	U	U	1.0	mg/kg	
PBS01		04/29/2021	1	7439-95-4	Magnesium	500	U	U	500	mg/kg	
PBS01		04/29/2021	1	7439-96-5	Manganese	1.5	U	U	1.5	mg/kg	
PBS01		04/29/2021	1	7440-02-0	Nickel	4.0	U	U	4.0	mg/kg	
PBS01		04/29/2021	1	7440-09-7	Potassium	500	U	U	500	mg/kg	
PBS01		04/29/2021	1	7782-49-2	Selenium	3.5	U	U	3.5	mg/kg	
PBS01		04/29/2021	1	7440-22-4	Silver	1.0	U	U	1.0	mg/kg	
PBS01		04/29/2021	1	7440-23-5	Sodium	500	U	U	500	mg/kg	
PBS01		04/29/2021	1	7440-28-0	Thallium	2.5	U	U	2.5	mg/kg	
PBS01		04/29/2021	1	7440-62-2	Vanadium	5.0	U	U	5.0	mg/kg	
PBS01		04/29/2021	1	7440-66-6	Zinc	6.0	U	U	6.0	mg/kg	
BG502A	Sediment	04/20/2021	1	7440-36-0	Antimony	22			11	mg/kg	6100-SED22B
BG502D	Sediment	04/20/2021	1	7439-97-6	Mercury	0.19	U	UJ	0.19	mg/kg	6100-SED22B
BG501	Sediment	04/20/2021	1	7439-97-6	Mercury	0.21	U	UJ	0.21	mg/kg	6100-SED22A
BG502	Sediment	04/20/2021	1	7439-97-6	Mercury	0.19	U	UJ	0.19	mg/kg	6100-SED22B
BG503	Sediment	04/20/2021	1	7439-97-6	Mercury	0.20	U	UJ	0.20	mg/kg	6100-SED22C
BG504	Sediment	04/20/2021	1	7439-97-6	Mercury	0.11	U	UJ	0.11	mg/kg	6100-SED23A
BG505	Sediment	04/20/2021	1	7439-97-6	Mercury	0.16	U	UJ	0.16	mg/kg	6100-SED23B
BG506	Sediment	04/20/2021	1	7439-97-6	Mercury	0.15	U	UJ	0.15	mg/kg	6100-SED23C
BG507	Sediment	04/20/2021	1	7439-97-6	Mercury	0.065	J	J-	0.14	mg/kg	6100-SED24A
BG508	Sediment	04/20/2021	1	7439-97-6	Mercury	0.37		J-	0.16	mg/kg	6100-SED24B
BG509	Sediment	04/20/2021	4	7439-97-6	Mercury	5.0	D	J-	0.81	mg/kg	6100-SED24C
BG510	Sediment	04/20/2021	1	7439-97-6	Mercury	0.12	U	UJ	0.12	mg/kg	6100-SED25A
BG511	Sediment	04/20/2021	1	7439-97-6	Mercury	0.11	J	J-	0.18	mg/kg	6100-SED25B
BG512	Sediment	04/20/2021	1	7439-97-6	Mercury	1.5		J-	0.30	mg/kg	6100-SED25C
BG513	Sediment	04/20/2021	1	7439-97-6	Mercury	0.13	U	UJ	0.13	mg/kg	6100-SED26A
BG573	Sediment	04/20/2021	1	7439-97-6	Mercury	0.11	U	UJ	0.11	mg/kg	6100-SED06A
BG574	Sediment	04/20/2021	1	7439-97-6	Mercury	0.12	U	UJ	0.12	mg/kg	6100-SED06B
BG575	Sediment	04/20/2021	1	7439-97-6	Mercury	0.064	J	J-	0.13	mg/kg	6100-SED06C
BG502S	Sediment	04/20/2021	1	7439-97-6	Mercury	1.0		J-	0.19	mg/kg	6100-SED22B
PBS01		04/23/2021	1	7439-97-6	Mercury	-0.013	J	J-	0.10	mg/kg	
BG502D	Sediment	04/20/2021	1	57-12-5	Cyanide	0.97	U	U	0.97	mg/kg	6100-SED22B
BG501	Sediment	04/20/2021	1	57-12-5	Cyanide	1.0	U*	UJ	1.0	mg/kg	6100-SED22A
BG502	Sediment	04/20/2021	1	57-12-5	Cyanide	0.97	U*	UJ	0.97	mg/kg	6100-SED22B
BG503	Sediment	04/20/2021	1	57-12-5	Cyanide	0.87	U*	UJ	0.87	mg/kg	6100-SED22C
BG504	Sediment	04/20/2021	1	57-12-5	Cyanide	0.50	U*	U	0.50	mg/kg	6100-SED23A
BG505	Sediment	04/20/2021	1	57-12-5	Cyanide	0.80	U*	U	0.80	mg/kg	6100-SED23B
BG506	Sediment	04/20/2021	1	57-12-5	Cyanide	0.76	U*	U	0.76	mg/kg	6100-SED23C
BG507	Sediment	04/20/2021	1	57-12-5	Cyanide	0.77	U*	U	0.77	mg/kg	6100-SED24A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG508	Sediment	04/20/2021	1	57-12-5	Cyanide	0.76	U*	U	0.76	mg/kg	6100-SED24B
BG509	Sediment	04/20/2021	1	57-12-5	Cyanide	0.47	J*	J	1.1	mg/kg	6100-SED24C
BG510	Sediment	04/20/2021	1	57-12-5	Cyanide	0.26	J*	J	0.62	mg/kg	6100-SED25A
BG511	Sediment	04/20/2021	1	57-12-5	Cyanide	0.58	J	J	0.96	mg/kg	6100-SED25B
BG512	Sediment	04/20/2021	1	57-12-5	Cyanide	1.3	U	UJ	1.3	mg/kg	6100-SED25C
BG513	Sediment	04/20/2021	1	57-12-5	Cyanide	0.58	U	U	0.58	mg/kg	6100-SED26A
BG573	Sediment	04/20/2021	1	57-12-5	Cyanide	0.52	U	U	0.52	mg/kg	6100-SED06A
BG574	Sediment	04/20/2021	1	57-12-5	Cyanide	0.54	U	U	0.54	mg/kg	6100-SED06B
BG575	Sediment	04/20/2021	1	57-12-5	Cyanide	0.59	U	U	0.59	mg/kg	6100-SED06C
BG502S	Sediment	04/20/2021	1	57-12-5	Cyanide	0.94	J*	J	0.99	mg/kg	6100-SED22B
PBS01		04/26/2021	1	57-12-5	Cyanide	0.50	U	U	0.50	mg/kg	
PBS02		04/26/2021	1	57-12-5	Cyanide	0.50	U	U	0.50	mg/kg	
BG502A	Sediment	04/20/2021	1	57-12-5	Cyanide	4.5			0.97	mg/kg	6100-SED22B

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
LSASD/HWSB/HWSS
2890 Woodbridge Avenue, Edison, NJ 08837

EXECUTIVE NARRATIVE

Case No.: 49391
Site: Coney Island Creek
Number of Samples: 7 (Sediment)
Analysis: Metals (ICP-AES), Hg and CN

SDG No.: BG514
Laboratory: Bonner Analytical Testing Co.
Sampling dates: 04/23/2021
Validation SOP: HW-3a and -3c (Rev 1)

QAPP
Contractor: Weston Solutions, Inc
Reference: DCN: SAT-V.6102.0022, April 1, 2021

SUMMARY OF DEFINITIONS:

Critical: Results have an unacceptable level of uncertainty and should not be used for making decisions. Data have been qualified "R" rejected.
Major: A level of uncertainty exists that may not meet the data quality objectives for the project. A bias is likely to be present in the results. Data has been qualified "J" estimated. "J+" and "J-" represent likely direction of the bias.
Minor: The level of uncertainty is acceptable. No significant bias in the data was observed.

Critical Findings:
None

Major Findings:
Sample BG514 has analytes that have been qualified J, J+ or J-.

Minor Findings:
"-M" is appended to all deliverable files of this SDG only to flag that the data are Inorganic. One or more analytes in one or more samples are qualified "J" due to results between MDL and CRQL.

COMMENT:	Per request in ARF, summary reports were created using RSL- Industrial Soil as project action levels (PALs). **Metals:** one or more analytes exceeded the PALs for one or more samples.

Reviewer Name(s): Jianwei Huang

Approver's Signature: **Date: 6/10/2021**

Name: **Narendra Kumar**

Affiliation: USEPA/R2/HWSB/HWSS

Data Qualifier Definitions (National Functional Guidelines)			
Qualifier Symbol	**Explanation**		
	INORGANICS	**ORGANICS**	**CHLORINATED DIOXIN/FURAN**
U	The analyte was analyzed for, but was not detected above the level of the reported quantitation limit.	The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted Contract Required Quantitation Limit (CRQL) for sample and method	The analyte was analyzed for but not detected. The value preceding the "U" may represent the adjusted Contract Required Quantitation Limit (see DLM02.X, Exhibit D, Section 1.2 and Table 2), or the sample specific estimated detection limit (EDL, see Method 8290A, Section 11.9.5).
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to an issue with the quality of the data generated because certain QC criteria were not met, or the concentration of the analyte was below the adjusted CRQL).
J+	The result is an estimated quantity, but the result may be biased high.	The result is an estimated quantity, but the result may be biased high.	
J–	The result is an estimated quantity, but the result may be biased low.	The result is an estimated quantity, but the result may be biased low.	
UJ	The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.	The analyte was not detected at a level greater than or equal to the adjusted CRQL. However, the reported adjusted CRQL is approximate and may be inaccurate or imprecise.	The analyte was not detected (see definition of "U" flag, above). The reported value should be considered approximate.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
N		The analysis indicates the presence of an analyte for which there is presumptive evidence to make a “tentative identification”.	
NJ		The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	
C		This qualifier applies to pesticide and Aroclor results when the identification has been confirmed by Gas Chromatograph/Mass Spectrometer (GC/MS).	
X		This qualifier applies to pesticide and Aroclor results when GC/MS analysis was attempted but was unsuccessful.	

DATA ASSESSMENT

ANALYSIS: METALS ICP-AES

The current SOP HW-3a (Rev 1) September 2016, USEPA Region II for the evaluation of ICP-AES metals data, and all related Change Request Forms (CRF) for this SOP, generated through Statement of Work SFAM01.1, and any future editorial revisions of SFAM01.1 has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi- Automated Screening Results Report.

1. HOLDING TIME AND PRESERVATION

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time or pH (aqueous samples are not within the acceptable range, the data may not be valid. Those analytes detected in the samples whose holding time (180 days) or pH (≤2) have not been met, will be qualified as estimated, "J"; the non-detects will be flagged as unusable, "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. CALIBRATION

Method requirements for satisfactory instrument calibration are established to ensure that the instrument is capable of producing acceptable quantitative data for the metals on the Inorganic Target Analyte List (TAL). Initial Calibration Verification (ICV) demonstrates that the instrument is capable of acceptable performance at the beginning of the analytical run. Continuing Calibration Verification (CCV) demonstrates that the initial calibration is still valid by checking the performance of the instrument on a continuing basis.

A) INITIAL CALIBRATION

A blank and at least five calibration standards shall be used to establish each analytical curve. At least one of these standards shall be at or below the CRQL. The calibration curve shall be fitted using linear regression or weighted linear regression. The curve may be forced through zero. The curve must have a correlation coefficient ≥ 0.995. The percent differences calculated for all of the non-zero standards must be within ±30% of the true value of the standard. The y-intercept of the curve must be less than the CRQL. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) INITIAL AND CONTINUING CALIBRATION VERIFICATION

Immediately after each system has been calibrated, the accuracy of the initial calibration must be verified and documented for each target analyte by the analysis of an ICV solution(s).
The CCV standard shall be analyzed at a frequency of every two hours during an analytical run. The CCV standard shall also be analyzed at the beginning of the run, and again after the last analytical sample. The percent recovery acceptable limits for ICV/CCV are 90 – 110%. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

3. BLANK CONTAMINATION

Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Calibration blanks (ICB and CCB) are used to ensure a stable instrument baseline before and during the analysis of analytical samples. The preparation blank is used to assess the level of contamination introduced to the analytical samples throughout the sample preparation process. Field and rinse blanks measure cross-contamination of samples during field operations. Qualifications were applied to the samples and analytes as shown below.

The following samples have analyte results less than CRQLs. The associated CCB analyte results are less than CRQLs. Detects are qualified as U. Sample results are reported at CRQLs.

Beryllium BG514, BG579, BG580, BG581, BG582, BG583, BG584

4. **INTERFERENCE CHECK SAMPLE**

The Interference Check Sample (ICS) verifies the analytical instrument's ability to overcome interferences typical of those found in samples. The laboratory should have analyzed and reported ICS results for all elements being reported from the analytical run and for all interferents (target and non-target) for these reported elements. The ICS consists of two solutions: Solution A and Solution AB. Solution A consists of the interferents, and Solution AB consists of the analytes mixed with the interferents. Results for the analysis of ICS Solution must fall within the control limits of ± 20% or ±CRQL (whichever is greater) of the true value for the analytes and interferents included in the solution. If results that are ≥ MDL are observed for analytes that are not present in the ICS solution, the possibility of false positives exists. If negative results are observed for analytes that are not present in the ICS solution, and their absolute value is ≥ MDL, the possibility of false negatives in the samples exists. In general, ICP sample data can be accepted if the concentrations of Al, Ca, Fe, and Mg in the sample are found to be less than or equal to their respective concentrations in the ICS. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

5. SPIKE SAMPLE ANALYSIS

The spiked sample analysis is designed to provide information about the effect of each sample matrix on the sample preparation procedures and the measurement methodology. The spike Percent Recovery (%R) shall be within the established acceptance limits of 75 – 125%. However, spike recovery limits do not apply when the sample concentration is ≥ 4x the spike added. For a matrix spike analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the matrix spike sample.

The following sample is associated with Matrix Spike sample that has spike analyte %R within 30 - 74% and Post-digestion spike analyte %R greater than or equal to 75%. Detects are qualified as J. Non-detects are qualified as UJ.

Antimony BG514

6. DUPLICATE SAMPLE ANALYSIS

The objective of duplicate sample analysis is to demonstrate acceptable method precision by the laboratory at the time of analysis. A control limit of 35% for the Relative Percent Difference (RPD) shall be used for original and duplicate sample values ≥ five times (5x) the Contract Required Quantitation Limit (CRQL). A control limit of the CRQL shall be used if either the sample or duplicate

value is < 5x the CRQL. For a duplicate sample analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the duplicate sample.

No problems were found for this criterion.

7. FIELD DUPLICATE: BG514/BG583

Field duplicates may be taken and analyzed as an indication of overall precision. These analyses measure both field and laboratory precision. A control limit of 50% for the Relative Percent Difference (RPD) shall be used for original and duplicate sample values ≥ five times (5x) the Contract Required Quantitation Limit (CRQL). A control limit of 2x the CRQL shall be used if either the sample or duplicate value is < 5x the CRQL. For field duplicates analysis that does not meet the technical criteria, the action was applied to only the field sample and it's duplicate.

No problems were found for this criterion.

8. LABORATORY CONTROL SAMPLE

The Laboratory Control Sample (LCS) serves as a monitor of the overall performance of each step during the analysis, including the sample preparation. Aqueous/water, soil/sediment, wipe, and filter LCSs shall be analyzed for each analyte utilizing the same sample preparations, analytical methods, and Quality Assurance/Quality Control (QA/QC) procedures as employed for the samples. All LCS Percent Recoveries (%R) must fall within the control limits of 70-130%, except for Sb and Ag which must fall within the control limits of 50-150%. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

9. ICP SERIAL DILUTION

The serial dilution of samples quantitated by Inductively Coupled Plasma determines whether or not significant physical or chemical interferences exist due to sample matrix. If the analyte concentration is sufficiently high [concentration in the original sample is > 50 times (50x) the Method Detection Limit (MDL)], the Percent Difference (%D) between the original determination and the serial dilution analysis (a five-fold dilution) after correction for dilution shall be less than 15. For a serial dilution analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the serial dilution sample.

No problems were found for this criterion.

10. PERCENT SOLIDS

The laboratory is required to perform the percent solids determination prior to sample preparation and analysis. All results of a sample with percent solids less than 50% are qualified estimated, "J". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

ANALYSIS: MERCURY

The current SOP HW-3c (Rev 1) September 2016, USEPA Region II for the evaluation of Mercury data, and all related Change Request Forms (CRF) for this SOP, generated through Statement of Work SFAM01.1, and any future editorial revisions of SFAM01.1 has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report.

1. HOLDING TIME AND PRESERVATION

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time, pH (aqueous samples), or cooler temperature are not within the acceptable range, the data may not be valid. Those analytes detected in the samples whose holding time (28 days) and pH (≤2) have not been met, will be qualified as estimated, "J"; the non-detects (sample quantitation limits) will be flagged as unusable, "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. CALIBRATION

Method requirements for satisfactory instrument calibration are established to ensure that the instrument is capable of producing acceptable quantitative data for mercury. Initial Calibration Verification (ICV) demonstrates that the instrument is capable of acceptable performance at the beginning of the analytical run. Continuing Calibration Verification (CCV) demonstrates that the initial calibration is still valid by checking the performance of the instrument on a continuing basis.

A) INITIAL CALIBRATION

A blank and at least five calibration standards shall be employed to establish the analytical curve. At least one of the calibration standards shall be at or below the Contract Required Quantitation Limit (CRQL). The calibration curve shall be fitted using linear regression or weighted linear regression. The curve may be forced through zero. The calibration curves for mercury shall possess a correlation coefficient of ≥ 0.995 to ensure the linearity over the calibrated range. The percent differences calculated for all of the non-zero standards must fall within ±30% of the true value of the standard. The y-intercept of the curve must be less than the CRQL. All sample results shall be reported from an analysis within the calibrated range. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) INITIAL AND CONTINUING CALIBRATION VERIFICATION

Immediately after each system has been calibrated, the accuracy of the initial calibration must be verified and documented for mercury by the analysis of an ICV solution(s). The CCV standard shall be analyzed at a frequency of every hour during an analytical run. The CCV standard shall also be analyzed at the beginning of the run, and again after the last analytical sample. The percent recovery acceptable limits for ICV/CCV are 85 – 115%. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

3. BLANK CONTAMINATION

Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure cross-contamination of samples during field operations. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

4. SPIKE SAMPLE ANALYSIS

The spiked sample analysis is designed to provide information about the effect of each sample matrix on the sample preparation procedures and the measurement methodology. The spike Percent Recovery (%R) shall be within the established acceptance limits of 75 – 125%. However, spike recovery limits do not apply when the sample concentration is ≥ 4x the spike added. For a matrix spike analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the matrix spike sample.

The following sample is associated with Matrix Spike sample that has spike analyte %R greater than the primary upper limit (130%). Detects are qualified J+. Non-detects are not qualified.

Mercury BG514

5. DUPLICATE SAMPLE ANALYSIS

The objective of duplicate sample analysis is to demonstrate acceptable method precision by the laboratory at the time of analysis. A control limit of 35% for the Relative Percent Difference (RPD) shall be used for original and duplicate sample values ≥ five times (5x) the Contract Required Quantitation Limit (CRQL). A control limit of the CRQL shall be used if either the sample or duplicate value is < 5x the CRQL. For a duplicate sample analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the duplicate sample.

No problems were found for this criterion.

6. FIELD DUPLICATE: BG514/BG583

Field duplicates may be taken and analyzed as an indication of overall precision. These analyses measure both field and laboratory precision. A control limit of 20% for the Relative Percent Difference (RPD) shall be used for original and duplicate sample values ≥ five times (5x) the Contract Required Quantitation Limit (CRQL). A control limit of the CRQL shall be used if either the sample or duplicate value is < 5x the CRQL. For field duplicates analysis that does not meet the technical criteria, the action was applied to only the field sample and it's duplicate.

No problems were found for this criterion.

7. PERCENT SOLIDS

The laboratory is required to perform the percent solids determination prior to sample preparation and analysis. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

ANALYSIS: CYANIDE

The current SOP HW-3c (Rev 1) September 2016, USEPA Region II for the evaluation of Cyanide data, and all related Change Request Forms (CRF) for this SOP, generated through Statement of Work SFAM01.1, and any future editorial revisions of SFAM01.1 has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report.

1. HOLDING TIME AND PRESERVATION

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time, pH (aqueous samples), or cooler temperature are not within the acceptable range, the data may not be valid. Those analytes detected in the samples whose holding time (14 days) and pH (≥12) have not been met, will be qualified as estimated, "J"; the non-detects (sample quantitation limits) will be flagged as unusable, "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. CALIBRATION

Method requirements for satisfactory instrument calibration are established to ensure that the instrument is capable of producing acceptable quantitative data for cyanide. Initial Calibration Verification (ICV) demonstrates that the instrument is capable of acceptable performance at the beginning of the analytical run. Continuing Calibration Verification (CCV) demonstrates that the initial calibration is still valid by checking the performance of the instrument on a continuing basis.

A) INITIAL CALIBRATION

A blank and at least five calibration standards shall be employed to establish the analytical curve. At least one of the calibration standards shall be at or below the Contract Required Quantitation Limit (CRQL). The calibration curve shall be fitted using linear regression or weighted linear regression. The curve may be forced through zero. The calibration curve for cyanide shall possess a correlation coefficient of ≥ 0.995 to ensure the linearity over the calibrated range. The percent differences calculated for all of the non-zero standards must be within ±30% of the true value of the standard. The y-intercept of the curve must be less than the CRQL. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) INITIAL AND CONTINUING CALIBRATION VERIFICATION

Immediately after each system has been calibrated, the accuracy of the initial calibration must be verified and documented for cyanide by the analysis of an ICV solution(s).
The CCV standard shall be analyzed at a frequency of every hour during an analytical run. The CCV standard shall also be analyzed at the beginning of the run, and again after the last analytical sample. The percent recovery acceptable limits for ICV/CCV are 85 – 115%. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

3. BLANK CONTAMINATION

Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure cross-contamination of samples during field operations. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

4. SPIKE SAMPLE ANALYSIS

The spiked sample analysis is designed to provide information about the effect of each sample matrix on the sample preparation procedures and the measurement methodology. The spike Percent Recovery (%R) shall be within the established acceptance limits of 75 – 125%. However, spike recovery limits do not apply when the sample concentration is ≥ 4x the spike added. For a matrix spike analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the matrix spike sample.

The following sample is associated with Matrix Spike sample that has spike analyte %R less than 30% and Post-digestion spike analyte %R greater than or equal to 75%. Detects are qualified as J. Non-detects are qualified as UJ.

Cyanide BG514

5. DUPLICATE SAMPLE ANALYSIS

The objective of duplicate sample analysis is to demonstrate acceptable method precision by the laboratory at the time of analysis. A control limit of 20% for the Relative Percent Difference (RPD) shall be used for original and duplicate sample values ≥ five times (5x) the Contract Required Quantitation Limit (CRQL). A control limit of the CRQL shall be used if either the sample or duplicate value is < 5x the CRQL. For a duplicate sample analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the duplicate sample.

No problems were found for this criterion.

6. FIELD DUPLICATE: BG514/BG583

Field duplicates may be taken and analyzed as an indication of overall precision. These analyses measure both field and laboratory precision. A control limit of 20% for the Relative Percent Difference (RPD) shall be used for original and duplicate sample values ≥ five times (5x) the Contract Required Quantitation Limit (CRQL). A control limit of the CRQL shall be used if either the sample or duplicate value is < 5x the CRQL. For field duplicates analysis that does not meet the technical criteria, the action was applied to only the field sample and it's duplicate.

No problems were found for this criterion.

7. PERCENT SOLIDS

The laboratory is required to perform the percent solids determination prior to sample preparation and analysis. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG514** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED26B

Sample Number: BG514	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: SED09/SW09	pH:	Sample Date: 04/23/2021	Sample Time: 09:35:00
% Moisture:		% Solids: 58	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	0.86	UJ	mg/kg	0.86	U*	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG514** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED26B

Sample Number: BG514	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SED09/SW09	pH:	Sample Date: 04/23/2021	Sample Time: 09:35:00
% Moisture:		% Solids: 58	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	2.6	J+	mg/kg	2.6	D	5	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG514** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED26B

Sample Number: BG514	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SED09/SW09	pH:	Sample Date: 04/23/2021	Sample Time: 09:35:00
% Moisture:		% Solids: 58	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	6300		mg/kg	6300		1	YES	S3VEM
Antimony	Target	10	UJ	mg/kg	10	U*	1	YES	S3VEM
Arsenic	Target	6.9		mg/kg	6.9		1	YES	S3VEM
Barium	Target	140		mg/kg	140		1	YES	S3VEM
Beryllium	Target	0.86	U	mg/kg	0.27	J	1	YES	S3VEM
Cadmium	Target	5.6		mg/kg	5.6		1	YES	S3VEM
Calcium	Target	4800		mg/kg	4800		1	YES	S3VEM
Chromium	Target	79		mg/kg	79		1	YES	S3VEM
Cobalt	Target	5.2	J	mg/kg	5.2	J	1	YES	S3VEM
Copper	Target	440		mg/kg	440		1	YES	S3VEM
Iron	Target	15000		mg/kg	15000		1	YES	S3VEM
Lead	Target	900		mg/kg	900		1	YES	S3VEM
Magnesium	Target	3900		mg/kg	3900		1	YES	S3VEM
Manganese	Target	93		mg/kg	93		1	YES	S3VEM
Nickel	Target	44		mg/kg	44		1	YES	S3VEM
Potassium	Target	1300		mg/kg	1300		1	YES	S3VEM
Selenium	Target	1.1	J	mg/kg	1.1	J	1	YES	S3VEM
Silver	Target	4.1		mg/kg	4.1		1	YES	S3VEM
Sodium	Target	5500		mg/kg	5500		1	YES	S3VEM
Thallium	Target	4.3	U	mg/kg	4.3	U	1	YES	S3VEM
Vanadium	Target	56		mg/kg	56		1	YES	S3VEM
Zinc	Target	790		mg/kg	790		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG514** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: BG514A	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 04/23/2021	Sample Time: 09:35:00
% Moisture:		% Solids: 58	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Spike	3.9		mg/kg	3.9		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG514** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: BG514A	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 04/23/2021	Sample Time: 09:35:00
% Moisture:		% Solids: 58	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Spike	20		mg/kg	20		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG514** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: BG514D	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 04/23/2021	Sample Time: 09:35:00
% Moisture:		% Solids: 58	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	0.86	U	mg/kg	0.86	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG514** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: BG514D	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 04/23/2021	Sample Time: 09:35:00
% Moisture:		% Solids: 58	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	2.0		mg/kg	2.0	D	5	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG514** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: BG514D	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 04/23/2021	Sample Time: 09:35:00
% Moisture:		% Solids: 58	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	6200	J+	mg/kg	6200		1	YES	S3VEM
Antimony	Target	10	U	mg/kg	10	U	1	YES	S3VEM
Arsenic	Target	6.7		mg/kg	6.7		1	YES	S3VEM
Barium	Target	120	J+	mg/kg	120		1	YES	S3VEM
Beryllium	Target	0.86	U	mg/kg	0.27	J	1	YES	S3VEM
Cadmium	Target	5.5		mg/kg	5.5		1	YES	S3VEM
Calcium	Target	4400	J+	mg/kg	4400		1	YES	S3VEM
Chromium	Target	74		mg/kg	74		1	YES	S3VEM
Cobalt	Target	5.4	J	mg/kg	5.4	J	1	YES	S3VEM
Copper	Target	370		mg/kg	370		1	YES	S3VEM
Iron	Target	15000	J+	mg/kg	15000		1	YES	S3VEM
Lead	Target	840	J+	mg/kg	840		1	YES	S3VEM
Magnesium	Target	3800	J+	mg/kg	3800		1	YES	S3VEM
Manganese	Target	92	J+	mg/kg	92		1	YES	S3VEM
Nickel	Target	45		mg/kg	45		1	YES	S3VEM
Potassium	Target	1300		mg/kg	1300		1	YES	S3VEM
Selenium	Target	1.1	J	mg/kg	1.1	J	1	YES	S3VEM
Silver	Target	4.4		mg/kg	4.4		1	YES	S3VEM
Sodium	Target	5300	J-	mg/kg	5300		1	YES	S3VEM
Thallium	Target	4.3	U	mg/kg	4.3	U	1	YES	S3VEM
Vanadium	Target	52		mg/kg	52		1	YES	S3VEM
Zinc	Target	750		mg/kg	750		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG514** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: BG514L	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 58	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	6400	J+	mg/kg	6400		5	YES	S3VEM
Antimony	Target	51	U	mg/kg	51	U	5	YES	S3VEM
Arsenic	Target	8.1	J	mg/kg	8.1	J	5	YES	S3VEM
Barium	Target	170	U	mg/kg	140	J	5	YES	S3VEM
Beryllium	Target	4.3	U	mg/kg	0.23	J	5	YES	S3VEM
Cadmium	Target	6.0		mg/kg	6.0		5	YES	S3VEM
Calcium	Target	4900	J+	mg/kg	4900		5	YES	S3VEM
Chromium	Target	82		mg/kg	82		5	YES	S3VEM
Cobalt	Target	5.6	J	mg/kg	5.6	J	5	YES	S3VEM
Copper	Target	420		mg/kg	420		5	YES	S3VEM
Iron	Target	15000	J+	mg/kg	15000		5	YES	S3VEM
Lead	Target	850	J+	mg/kg	850		5	YES	S3VEM
Magnesium	Target	4300	U	mg/kg	4000	J	5	YES	S3VEM
Manganese	Target	95	J+	mg/kg	95		5	YES	S3VEM
Nickel	Target	40		mg/kg	40		5	YES	S3VEM
Potassium	Target	1300	J	mg/kg	1300	J	5	YES	S3VEM
Selenium	Target	30	U	mg/kg	30	U	5	YES	S3VEM
Silver	Target	4.3	J	mg/kg	4.3	J	5	YES	S3VEM
Sodium	Target	5300	J-	mg/kg	5300		5	YES	S3VEM
Thallium	Target	21	U	mg/kg	21	U	5	YES	S3VEM
Vanadium	Target	58		mg/kg	58		5	YES	S3VEM
Zinc	Target	720		mg/kg	720		5	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG514** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: BG514S	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 04/23/2021	Sample Time: 09:35:00
% Moisture:		% Solids: 58	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Spike	0.68	J	mg/kg	0.68	J*	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG514** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: BG514S	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 04/23/2021	Sample Time: 09:35:00
% Moisture:		% Solids: 58	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Spike	6.6		mg/kg	6.6	D	5	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG514** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: BG514S	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 04/23/2021	Sample Time: 09:35:00
% Moisture:		% Solids: 58	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Spike	19		mg/kg	19	*	1	YES	S3VEM
Arsenic	Spike	19		mg/kg	19		1	YES	S3VEM
Barium	Spike	760	J+	mg/kg	760		1	YES	S3VEM
Beryllium	Spike	16	J+	mg/kg	16		1	YES	S3VEM
Cadmium	Spike	21		mg/kg	21		1	YES	S3VEM
Chromium	Spike	140		mg/kg	140		1	YES	S3VEM
Cobalt	Spike	160		mg/kg	160		1	YES	S3VEM
Copper	Spike	460		mg/kg	460		1	YES	S3VEM
Lead	Spike	880	J+	mg/kg	880		1	YES	S3VEM
Manganese	Spike	250	J+	mg/kg	250		1	YES	S3VEM
Nickel	Spike	220		mg/kg	220		1	YES	S3VEM
Selenium	Spike	29		mg/kg	29		1	YES	S3VEM
Silver	Spike	19		mg/kg	19		1	YES	S3VEM
Thallium	Spike	15		mg/kg	15		1	YES	S3VEM
Vanadium	Spike	210		mg/kg	210		1	YES	S3VEM
Zinc	Spike	940		mg/kg	940		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG514** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED08A

Sample Number: BG579	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: SED08	pH:	Sample Date: 04/23/2021	Sample Time: 11:00:00
% Moisture:		% Solids: 71	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	0.68	U	mg/kg	0.68	U*	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG514** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED08A

Sample Number: BG579	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SED08	pH:	Sample Date: 04/23/2021	Sample Time: 11:00:00
% Moisture:		% Solids: 71	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.76		mg/kg	0.76		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG514** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED08A

Sample Number: BG579	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SED08	pH:	Sample Date: 04/23/2021	Sample Time: 11:00:00
% Moisture:		% Solids: 71	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	4100		mg/kg	4100		1	YES	S3VEM
Antimony	Target	8.2	U	mg/kg	8.2	U*	1	YES	S3VEM
Arsenic	Target	5.2		mg/kg	5.2		1	YES	S3VEM
Barium	Target	81		mg/kg	81		1	YES	S3VEM
Beryllium	Target	0.68	U	mg/kg	0.22	J	1	YES	S3VEM
Cadmium	Target	4.3		mg/kg	4.3		1	YES	S3VEM
Calcium	Target	2900		mg/kg	2900		1	YES	S3VEM
Chromium	Target	62		mg/kg	62		1	YES	S3VEM
Cobalt	Target	3.7	J	mg/kg	3.7	J	1	YES	S3VEM
Copper	Target	220		mg/kg	220		1	YES	S3VEM
Iron	Target	8400		mg/kg	8400		1	YES	S3VEM
Lead	Target	490		mg/kg	490		1	YES	S3VEM
Magnesium	Target	2300		mg/kg	2300		1	YES	S3VEM
Manganese	Target	63		mg/kg	63		1	YES	S3VEM
Nickel	Target	28		mg/kg	28		1	YES	S3VEM
Potassium	Target	1000		mg/kg	1000		1	YES	S3VEM
Selenium	Target	0.81	J	mg/kg	0.81	J	1	YES	S3VEM
Silver	Target	2.4		mg/kg	2.4		1	YES	S3VEM
Sodium	Target	3600		mg/kg	3600		1	YES	S3VEM
Thallium	Target	3.4	U	mg/kg	3.4	U	1	YES	S3VEM
Vanadium	Target	39		mg/kg	39		1	YES	S3VEM
Zinc	Target	410		mg/kg	410		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG514** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED08B

Sample Number: BG580	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: SED08	pH:	Sample Date: 04/23/2021	Sample Time: 11:10:00
% Moisture:		% Solids: 86	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	0.57	U	mg/kg	0.57	U*	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG514** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED08B

Sample Number: BG580	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SED08	pH:	Sample Date: 04/23/2021	Sample Time: 11:10:00
% Moisture:		% Solids: 86	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.12		mg/kg	0.12		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG514** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED08B

Sample Number: BG580	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SED08	pH:	Sample Date: 04/23/2021	Sample Time: 11:10:00
% Moisture:		% Solids: 86	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	1100		mg/kg	1100		1	YES	S3VEM
Antimony	Target	6.3	U	mg/kg	6.3	U*	1	YES	S3VEM
Arsenic	Target	1.5		mg/kg	1.5		1	YES	S3VEM
Barium	Target	22		mg/kg	22		1	YES	S3VEM
Beryllium	Target	0.52	U	mg/kg	0.050	J	1	YES	S3VEM
Cadmium	Target	0.45	J	mg/kg	0.45	J	1	YES	S3VEM
Calcium	Target	4000		mg/kg	4000		1	YES	S3VEM
Chromium	Target	7.2		mg/kg	7.2		1	YES	S3VEM
Cobalt	Target	1.2	J	mg/kg	1.2	J	1	YES	S3VEM
Copper	Target	22		mg/kg	22		1	YES	S3VEM
Iron	Target	4200		mg/kg	4200		1	YES	S3VEM
Lead	Target	46		mg/kg	46		1	YES	S3VEM
Magnesium	Target	690		mg/kg	690		1	YES	S3VEM
Manganese	Target	25		mg/kg	25		1	YES	S3VEM
Nickel	Target	4.5		mg/kg	4.5		1	YES	S3VEM
Potassium	Target	280	J	mg/kg	280	J	1	YES	S3VEM
Selenium	Target	3.7	U	mg/kg	3.7	U	1	YES	S3VEM
Silver	Target	1.0	U	mg/kg	1.0	U	1	YES	S3VEM
Sodium	Target	1600		mg/kg	1600		1	YES	S3VEM
Thallium	Target	2.6	U	mg/kg	2.6	U	1	YES	S3VEM
Vanadium	Target	4.3	J	mg/kg	4.3	J	1	YES	S3VEM
Zinc	Target	89		mg/kg	89		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG514** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED08C

Sample Number: BG581	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: SED08	pH:	Sample Date: 04/23/2021	Sample Time: 11:20:00
% Moisture:		% Solids: 70	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	0.29	J	mg/kg	0.29	J*	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG514** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED08C

Sample Number: BG581	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SED08	pH:	Sample Date: 04/23/2021	Sample Time: 11:20:00
% Moisture:		% Solids: 70	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	1.3		mg/kg	1.3		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG514** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED08C

Sample Number: BG581	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SED08	pH:	Sample Date: 04/23/2021	Sample Time: 11:20:00
% Moisture:		% Solids: 70	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	4100		mg/kg	4100		1	YES	S3VEM
Antimony	Target	8.2	U	mg/kg	8.2	U*	1	YES	S3VEM
Arsenic	Target	7.8		mg/kg	7.8		1	YES	S3VEM
Barium	Target	110		mg/kg	110		1	YES	S3VEM
Beryllium	Target	0.68	U	mg/kg	0.22	J	1	YES	S3VEM
Cadmium	Target	3.6		mg/kg	3.6		1	YES	S3VEM
Calcium	Target	1400		mg/kg	1400		1	YES	S3VEM
Chromium	Target	44		mg/kg	44		1	YES	S3VEM
Cobalt	Target	3.3	J	mg/kg	3.3	J	1	YES	S3VEM
Copper	Target	190		mg/kg	190		1	YES	S3VEM
Iron	Target	7400		mg/kg	7400		1	YES	S3VEM
Lead	Target	350		mg/kg	350		1	YES	S3VEM
Magnesium	Target	2000		mg/kg	2000		1	YES	S3VEM
Manganese	Target	57		mg/kg	57		1	YES	S3VEM
Nickel	Target	20		mg/kg	20		1	YES	S3VEM
Potassium	Target	1000		mg/kg	1000		1	YES	S3VEM
Selenium	Target	4.8	U	mg/kg	4.8	U	1	YES	S3VEM
Silver	Target	2.2		mg/kg	2.2		1	YES	S3VEM
Sodium	Target	3500		mg/kg	3500		1	YES	S3VEM
Thallium	Target	3.4	U	mg/kg	3.4	U	1	YES	S3VEM
Vanadium	Target	34		mg/kg	34		1	YES	S3VEM
Zinc	Target	480		mg/kg	480		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG514** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED09A

Sample Number: BG582	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: SED09/SW09	pH:	Sample Date: 04/23/2021	Sample Time: 09:15:00
% Moisture:		% Solids: 62	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	0.81	U	mg/kg	0.81	U*	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG514** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED09A

Sample Number: BG582	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SED09/SW09	pH:	Sample Date: 04/23/2021	Sample Time: 09:15:00
% Moisture:		% Solids: 62	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	1.8		mg/kg	1.8		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG514** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED09A

Sample Number: BG582	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SED09/SW09	pH:	Sample Date: 04/23/2021	Sample Time: 09:15:00
% Moisture:		% Solids: 62	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	5200		mg/kg	5200		1	YES	S3VEM
Antimony	Target	1.2	J	mg/kg	1.2	J*	1	YES	S3VEM
Arsenic	Target	8.8		mg/kg	8.8		1	YES	S3VEM
Barium	Target	200		mg/kg	200		1	YES	S3VEM
Beryllium	Target	0.71	U	mg/kg	0.27	J	1	YES	S3VEM
Cadmium	Target	6.4		mg/kg	6.4		1	YES	S3VEM
Calcium	Target	2800		mg/kg	2800		1	YES	S3VEM
Chromium	Target	49		mg/kg	49		1	YES	S3VEM
Cobalt	Target	4.7	J	mg/kg	4.7	J	1	YES	S3VEM
Copper	Target	380		mg/kg	380		1	YES	S3VEM
Iron	Target	14000		mg/kg	14000		1	YES	S3VEM
Lead	Target	720		mg/kg	720		1	YES	S3VEM
Magnesium	Target	2800		mg/kg	2800		1	YES	S3VEM
Manganese	Target	82		mg/kg	82		1	YES	S3VEM
Nickel	Target	38		mg/kg	38		1	YES	S3VEM
Potassium	Target	1100		mg/kg	1100		1	YES	S3VEM
Selenium	Target	1.4	J	mg/kg	1.4	J	1	YES	S3VEM
Silver	Target	3.7		mg/kg	3.7		1	YES	S3VEM
Sodium	Target	4400		mg/kg	4400		1	YES	S3VEM
Thallium	Target	3.5	U	mg/kg	3.5	U	1	YES	S3VEM
Vanadium	Target	67		mg/kg	67		1	YES	S3VEM
Zinc	Target	920		mg/kg	920		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG514** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED09B

Sample Number: BG583	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: SED09/SW09	pH:	Sample Date: 04/23/2021	Sample Time: 09:30:00
% Moisture:		% Solids: 57	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	0.82	U	mg/kg	0.82	U*	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG514** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED09B

Sample Number: BG583	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SED09/SW09	pH:	Sample Date: 04/23/2021	Sample Time: 09:30:00
% Moisture:		% Solids: 57	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	2.6		mg/kg	2.6	D	2	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG514** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED09B

Sample Number: BG583	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SED09/SW09	pH:	Sample Date: 04/23/2021	Sample Time: 09:30:00
% Moisture:		% Solids: 57	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	7600		mg/kg	7600		1	YES	S3VEM
Antimony	Target	1.9	J	mg/kg	1.9	J*	1	YES	S3VEM
Arsenic	Target	7.0		mg/kg	7.0		1	YES	S3VEM
Barium	Target	120		mg/kg	120		1	YES	S3VEM
Beryllium	Target	0.88	U	mg/kg	0.33	J	1	YES	S3VEM
Cadmium	Target	6.5		mg/kg	6.5		1	YES	S3VEM
Calcium	Target	5300		mg/kg	5300		1	YES	S3VEM
Chromium	Target	90		mg/kg	90		1	YES	S3VEM
Cobalt	Target	6.3	J	mg/kg	6.3	J	1	YES	S3VEM
Copper	Target	440		mg/kg	440		1	YES	S3VEM
Iron	Target	15000		mg/kg	15000		1	YES	S3VEM
Lead	Target	1000		mg/kg	1000		1	YES	S3VEM
Magnesium	Target	4600		mg/kg	4600		1	YES	S3VEM
Manganese	Target	96		mg/kg	96		1	YES	S3VEM
Nickel	Target	54		mg/kg	54		1	YES	S3VEM
Potassium	Target	1600		mg/kg	1600		1	YES	S3VEM
Selenium	Target	1.2	J	mg/kg	1.2	J	1	YES	S3VEM
Silver	Target	4.9		mg/kg	4.9		1	YES	S3VEM
Sodium	Target	6400		mg/kg	6400		1	YES	S3VEM
Thallium	Target	4.4	U	mg/kg	4.4	U	1	YES	S3VEM
Vanadium	Target	47		mg/kg	47		1	YES	S3VEM
Zinc	Target	870		mg/kg	870		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG514** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED09C

Sample Number: BG584	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: SED09/SW09	pH:	Sample Date: 04/23/2021	Sample Time: 09:40:00
% Moisture:		% Solids: 52	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	0.93	U	mg/kg	0.93	U*	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG514** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED09C

Sample Number: BG584	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SED09/SW09	pH:	Sample Date: 04/23/2021	Sample Time: 09:40:00
% Moisture:		% Solids: 52	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	2.6		mg/kg	2.6	D	2	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG514** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED09C

Sample Number: BG584	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SED09/SW09	pH:	Sample Date: 04/23/2021	Sample Time: 09:40:00
% Moisture:		% Solids: 52	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	8400		mg/kg	8400		1	YES	S3VEM
Antimony	Target	11	U	mg/kg	11	U*	1	YES	S3VEM
Arsenic	Target	8.7		mg/kg	8.7		1	YES	S3VEM
Barium	Target	120		mg/kg	120		1	YES	S3VEM
Beryllium	Target	0.93	U	mg/kg	0.37	J	1	YES	S3VEM
Cadmium	Target	6.4		mg/kg	6.4		1	YES	S3VEM
Calcium	Target	7100		mg/kg	7100		1	YES	S3VEM
Chromium	Target	95		mg/kg	95		1	YES	S3VEM
Cobalt	Target	6.9	J	mg/kg	6.9	J	1	YES	S3VEM
Copper	Target	460		mg/kg	460		1	YES	S3VEM
Iron	Target	18000		mg/kg	18000		1	YES	S3VEM
Lead	Target	860		mg/kg	860		1	YES	S3VEM
Magnesium	Target	5900		mg/kg	5900		1	YES	S3VEM
Manganese	Target	120		mg/kg	120		1	YES	S3VEM
Nickel	Target	52		mg/kg	52		1	YES	S3VEM
Potassium	Target	1800		mg/kg	1800		1	YES	S3VEM
Selenium	Target	1.2	J	mg/kg	1.2	J	1	YES	S3VEM
Silver	Target	5.8		mg/kg	5.8		1	YES	S3VEM
Sodium	Target	7500		mg/kg	7500		1	YES	S3VEM
Thallium	Target	4.7	U	mg/kg	4.7	U	1	YES	S3VEM
Vanadium	Target	45		mg/kg	45		1	YES	S3VEM
Zinc	Target	1000		mg/kg	1000		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG514** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: LCS01	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Spike	38	J+	mg/kg	38		1	YES	S3VEM
Antimony	Spike	12		mg/kg	12		1	YES	S3VEM
Arsenic	Spike	1.7		mg/kg	1.7		1	YES	S3VEM
Barium	Spike	39	J+	mg/kg	39		1	YES	S3VEM
Beryllium	Spike	0.95	J+	mg/kg	0.95		1	YES	S3VEM
Cadmium	Spike	1.0		mg/kg	1.0		1	YES	S3VEM
Calcium	Spike	1000	J+	mg/kg	1000		1	YES	S3VEM
Chromium	Spike	2.0		mg/kg	2.0		1	YES	S3VEM
Cobalt	Spike	10		mg/kg	10		1	YES	S3VEM
Copper	Spike	4.6		mg/kg	4.6		1	YES	S3VEM
Iron	Spike	20	J+	mg/kg	20		1	YES	S3VEM
Lead	Spike	2.1	J+	mg/kg	2.1		1	YES	S3VEM
Magnesium	Spike	930	J+	mg/kg	930		1	YES	S3VEM
Manganese	Spike	3.1	J+	mg/kg	3.1		1	YES	S3VEM
Nickel	Spike	8.4		mg/kg	8.4		1	YES	S3VEM
Potassium	Spike	910		mg/kg	910		1	YES	S3VEM
Selenium	Spike	6.7		mg/kg	6.7		1	YES	S3VEM
Silver	Spike	1.8		mg/kg	1.8		1	YES	S3VEM
Sodium	Spike	930		mg/kg	930		1	YES	S3VEM
Thallium	Spike	4.6		mg/kg	4.6		1	YES	S3VEM
Vanadium	Spike	9.5		mg/kg	9.5		1	YES	S3VEM
Zinc	Spike	12		mg/kg	12		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG514** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: PBS01	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	0.50	U	mg/kg	0.50	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG514** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: PBS01	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.10	U	mg/kg	0.10	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG514** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: PBS01	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	20	U	mg/kg	20	U	1	YES	S3VEM
Antimony	Target	6.0	U	mg/kg	6.0	U	1	YES	S3VEM
Arsenic	Target	1.0	U	mg/kg	1.0	U	1	YES	S3VEM
Barium	Target	20	U	mg/kg	20	U	1	YES	S3VEM
Beryllium	Target	0.50	U	mg/kg	0.50	U	1	YES	S3VEM
Cadmium	Target	0.50	U	mg/kg	0.50	U	1	YES	S3VEM
Calcium	Target	500	U	mg/kg	500	U	1	YES	S3VEM
Chromium	Target	1.0	U	mg/kg	1.0	U	1	YES	S3VEM
Cobalt	Target	5.0	U	mg/kg	5.0	U	1	YES	S3VEM
Copper	Target	2.5	U	mg/kg	2.5	U	1	YES	S3VEM
Iron	Target	10	U	mg/kg	10	U	1	YES	S3VEM
Lead	Target	0.20	J	mg/kg	0.20	J	1	YES	S3VEM
Magnesium	Target	500	U	mg/kg	500	U	1	YES	S3VEM
Manganese	Target	1.5	U	mg/kg	1.5	U	1	YES	S3VEM
Nickel	Target	4.0	U	mg/kg	4.0	U	1	YES	S3VEM
Potassium	Target	500	U	mg/kg	500	U	1	YES	S3VEM
Selenium	Target	3.5	U	mg/kg	3.5	U	1	YES	S3VEM
Silver	Target	1.0	U	mg/kg	1.0	U	1	YES	S3VEM
Sodium	Target	-8.3	J	mg/kg	-8.3	J	1	YES	S3VEM
Thallium	Target	2.5	U	mg/kg	2.5	U	1	YES	S3VEM
Vanadium	Target	5.0	U	mg/kg	5.0	U	1	YES	S3VEM
Zinc	Target	6.0	U	mg/kg	6.0	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG514** **Lab Name: Bonner Analytical Testing Co.**

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG514D	Sediment	04/23/2021	1	7429-90-5	Aluminum	6200		J+	34	mg/kg	6100-SED26B
BG514D	Sediment	04/23/2021	1	7440-36-0	Antimony	10	U	U	10	mg/kg	6100-SED26B
BG514D	Sediment	04/23/2021	1	7440-38-2	Arsenic	6.7			1.7	mg/kg	6100-SED26B
BG514D	Sediment	04/23/2021	1	7440-39-3	Barium	120		J+	34	mg/kg	6100-SED26B
BG514D	Sediment	04/23/2021	1	7440-41-7	Beryllium	0.86	J	U	0.86	mg/kg	6100-SED26B
BG514D	Sediment	04/23/2021	1	7440-43-9	Cadmium	5.5			0.86	mg/kg	6100-SED26B
BG514D	Sediment	04/23/2021	1	7440-70-2	Calcium	4400		J+	860	mg/kg	6100-SED26B
BG514D	Sediment	04/23/2021	1	7440-47-3	Chromium	74			1.7	mg/kg	6100-SED26B
BG514D	Sediment	04/23/2021	1	7440-48-4	Cobalt	5.4	J	J	8.6	mg/kg	6100-SED26B
BG514D	Sediment	04/23/2021	1	7440-50-8	Copper	370			4.3	mg/kg	6100-SED26B
BG514D	Sediment	04/23/2021	1	7439-89-6	Iron	15000		J+	17	mg/kg	6100-SED26B
BG514D	Sediment	04/23/2021	1	7439-92-1	Lead	840		J+	1.7	mg/kg	6100-SED26B
BG514D	Sediment	04/23/2021	1	7439-95-4	Magnesium	3800		J+	860	mg/kg	6100-SED26B
BG514D	Sediment	04/23/2021	1	7439-96-5	Manganese	92		J+	2.6	mg/kg	6100-SED26B
BG514D	Sediment	04/23/2021	1	7440-02-0	Nickel	45			6.9	mg/kg	6100-SED26B
BG514D	Sediment	04/23/2021	1	7440-09-7	Potassium	1300			860	mg/kg	6100-SED26B
BG514D	Sediment	04/23/2021	1	7782-49-2	Selenium	1.1	J	J	6.0	mg/kg	6100-SED26B
BG514D	Sediment	04/23/2021	1	7440-22-4	Silver	4.4			1.7	mg/kg	6100-SED26B
BG514D	Sediment	04/23/2021	1	7440-23-5	Sodium	5300		J-	860	mg/kg	6100-SED26B
BG514D	Sediment	04/23/2021	1	7440-28-0	Thallium	4.3	U	U	4.3	mg/kg	6100-SED26B
BG514D	Sediment	04/23/2021	1	7440-62-2	Vanadium	52			8.6	mg/kg	6100-SED26B
BG514D	Sediment	04/23/2021	1	7440-66-6	Zinc	750			10	mg/kg	6100-SED26B
BG514	Sediment	04/23/2021	1	7429-90-5	Aluminum	6300			34	mg/kg	6100-SED26B
BG514	Sediment	04/23/2021	1	7440-36-0	Antimony	10	U*	UJ	10	mg/kg	6100-SED26B
BG514	Sediment	04/23/2021	1	7440-38-2	Arsenic	6.9			1.7	mg/kg	6100-SED26B
BG514	Sediment	04/23/2021	1	7440-39-3	Barium	140			34	mg/kg	6100-SED26B
BG514	Sediment	04/23/2021	1	7440-41-7	Beryllium	0.86	J	U	0.86	mg/kg	6100-SED26B
BG514	Sediment	04/23/2021	1	7440-43-9	Cadmium	5.6			0.86	mg/kg	6100-SED26B
BG514	Sediment	04/23/2021	1	7440-70-2	Calcium	4800			860	mg/kg	6100-SED26B
BG514	Sediment	04/23/2021	1	7440-47-3	Chromium	79			1.7	mg/kg	6100-SED26B
BG514	Sediment	04/23/2021	1	7440-48-4	Cobalt	5.2	J	J	8.6	mg/kg	6100-SED26B
BG514	Sediment	04/23/2021	1	7440-50-8	Copper	440			4.3	mg/kg	6100-SED26B
BG514	Sediment	04/23/2021	1	7439-89-6	Iron	15000			17	mg/kg	6100-SED26B
BG514	Sediment	04/23/2021	1	7439-92-1	Lead	900			1.7	mg/kg	6100-SED26B
BG514	Sediment	04/23/2021	1	7439-95-4	Magnesium	3900			860	mg/kg	6100-SED26B
BG514	Sediment	04/23/2021	1	7439-96-5	Manganese	93			2.6	mg/kg	6100-SED26B
BG514	Sediment	04/23/2021	1	7440-02-0	Nickel	44			6.9	mg/kg	6100-SED26B
BG514	Sediment	04/23/2021	1	7440-09-7	Potassium	1300			860	mg/kg	6100-SED26B
BG514	Sediment	04/23/2021	1	7782-49-2	Selenium	1.1	J	J	6.0	mg/kg	6100-SED26B
BG514	Sediment	04/23/2021	1	7440-22-4	Silver	4.1			1.7	mg/kg	6100-SED26B
BG514	Sediment	04/23/2021	1	7440-23-5	Sodium	5500			860	mg/kg	6100-SED26B
BG514	Sediment	04/23/2021	1	7440-28-0	Thallium	4.3	U	U	4.3	mg/kg	6100-SED26B
BG514	Sediment	04/23/2021	1	7440-62-2	Vanadium	56			8.6	mg/kg	6100-SED26B
BG514	Sediment	04/23/2021	1	7440-66-6	Zinc	790			10	mg/kg	6100-SED26B
BG579	Sediment	04/23/2021	1	7429-90-5	Aluminum	4100			27	mg/kg	6100-SED08A
BG579	Sediment	04/23/2021	1	7440-36-0	Antimony	8.2	U*	U	8.2	mg/kg	6100-SED08A
BG579	Sediment	04/23/2021	1	7440-38-2	Arsenic	5.2			1.4	mg/kg	6100-SED08A
BG579	Sediment	04/23/2021	1	7440-39-3	Barium	81			27	mg/kg	6100-SED08A
BG579	Sediment	04/23/2021	1	7440-41-7	Beryllium	0.68	J	U	0.68	mg/kg	6100-SED08A
BG579	Sediment	04/23/2021	1	7440-43-9	Cadmium	4.3			0.68	mg/kg	6100-SED08A
BG579	Sediment	04/23/2021	1	7440-70-2	Calcium	2900			680	mg/kg	6100-SED08A
BG579	Sediment	04/23/2021	1	7440-47-3	Chromium	62			1.4	mg/kg	6100-SED08A
BG579	Sediment	04/23/2021	1	7440-48-4	Cobalt	3.7	J	J	6.8	mg/kg	6100-SED08A
BG579	Sediment	04/23/2021	1	7440-50-8	Copper	220			3.4	mg/kg	6100-SED08A
BG579	Sediment	04/23/2021	1	7439-89-6	Iron	8400			14	mg/kg	6100-SED08A
BG579	Sediment	04/23/2021	1	7439-92-1	Lead	490			1.4	mg/kg	6100-SED08A
BG579	Sediment	04/23/2021	1	7439-95-4	Magnesium	2300			680	mg/kg	6100-SED08A
BG579	Sediment	04/23/2021	1	7439-96-5	Manganese	63			2.0	mg/kg	6100-SED08A
BG579	Sediment	04/23/2021	1	7440-02-0	Nickel	28			5.4	mg/kg	6100-SED08A
BG579	Sediment	04/23/2021	1	7440-09-7	Potassium	1000			680	mg/kg	6100-SED08A
BG579	Sediment	04/23/2021	1	7782-49-2	Selenium	0.81	J	J	4.8	mg/kg	6100-SED08A
BG579	Sediment	04/23/2021	1	7440-22-4	Silver	2.4			1.4	mg/kg	6100-SED08A
BG579	Sediment	04/23/2021	1	7440-23-5	Sodium	3600			680	mg/kg	6100-SED08A
BG579	Sediment	04/23/2021	1	7440-28-0	Thallium	3.4	U	U	3.4	mg/kg	6100-SED08A
BG579	Sediment	04/23/2021	1	7440-62-2	Vanadium	39			6.8	mg/kg	6100-SED08A
BG579	Sediment	04/23/2021	1	7440-66-6	Zinc	410			8.2	mg/kg	6100-SED08A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG580	Sediment	04/23/2021	1	7429-90-5	Aluminum	1100			21	mg/kg	6100-SED08B
BG580	Sediment	04/23/2021	1	7440-36-0	Antimony	6.3	U*	U	6.3	mg/kg	6100-SED08B
BG580	Sediment	04/23/2021	1	7440-38-2	Arsenic	1.5			1.0	mg/kg	6100-SED08B
BG580	Sediment	04/23/2021	1	7440-39-3	Barium	22			21	mg/kg	6100-SED08B
BG580	Sediment	04/23/2021	1	7440-41-7	Beryllium	0.52	J	U	0.52	mg/kg	6100-SED08B
BG580	Sediment	04/23/2021	1	7440-43-9	Cadmium	0.45	J	J	0.52	mg/kg	6100-SED08B
BG580	Sediment	04/23/2021	1	7440-70-2	Calcium	4000			520	mg/kg	6100-SED08B
BG580	Sediment	04/23/2021	1	7440-47-3	Chromium	7.2			1.0	mg/kg	6100-SED08B
BG580	Sediment	04/23/2021	1	7440-48-4	Cobalt	1.2	J	J	5.2	mg/kg	6100-SED08B
BG580	Sediment	04/23/2021	1	7440-50-8	Copper	22			2.6	mg/kg	6100-SED08B
BG580	Sediment	04/23/2021	1	7439-89-6	Iron	4200			10	mg/kg	6100-SED08B
BG580	Sediment	04/23/2021	1	7439-92-1	Lead	46			1.0	mg/kg	6100-SED08B
BG580	Sediment	04/23/2021	1	7439-95-4	Magnesium	690			520	mg/kg	6100-SED08B
BG580	Sediment	04/23/2021	1	7439-96-5	Manganese	25			1.6	mg/kg	6100-SED08B
BG580	Sediment	04/23/2021	1	7440-02-0	Nickel	4.5			4.2	mg/kg	6100-SED08B
BG580	Sediment	04/23/2021	1	7440-09-7	Potassium	280	J	J	520	mg/kg	6100-SED08B
BG580	Sediment	04/23/2021	1	7782-49-2	Selenium	3.7	U	U	3.7	mg/kg	6100-SED08B
BG580	Sediment	04/23/2021	1	7440-22-4	Silver	1.0	U	U	1.0	mg/kg	6100-SED08B
BG580	Sediment	04/23/2021	1	7440-23-5	Sodium	1600			520	mg/kg	6100-SED08B
BG580	Sediment	04/23/2021	1	7440-28-0	Thallium	2.6	U	U	2.6	mg/kg	6100-SED08B
BG580	Sediment	04/23/2021	1	7440-62-2	Vanadium	4.3	J	J	5.2	mg/kg	6100-SED08B
BG580	Sediment	04/23/2021	1	7440-66-6	Zinc	89			6.3	mg/kg	6100-SED08B
BG581	Sediment	04/23/2021	1	7429-90-5	Aluminum	4100			27	mg/kg	6100-SED08C
BG581	Sediment	04/23/2021	1	7440-36-0	Antimony	8.2	U*	U	8.2	mg/kg	6100-SED08C
BG581	Sediment	04/23/2021	1	7440-38-2	Arsenic	7.8			1.4	mg/kg	6100-SED08C
BG581	Sediment	04/23/2021	1	7440-39-3	Barium	110			27	mg/kg	6100-SED08C
BG581	Sediment	04/23/2021	1	7440-41-7	Beryllium	0.68	J	U	0.68	mg/kg	6100-SED08C
BG581	Sediment	04/23/2021	1	7440-43-9	Cadmium	3.6			0.68	mg/kg	6100-SED08C
BG581	Sediment	04/23/2021	1	7440-70-2	Calcium	1400			680	mg/kg	6100-SED08C
BG581	Sediment	04/23/2021	1	7440-47-3	Chromium	44			1.4	mg/kg	6100-SED08C
BG581	Sediment	04/23/2021	1	7440-48-4	Cobalt	3.3	J	J	6.8	mg/kg	6100-SED08C
BG581	Sediment	04/23/2021	1	7440-50-8	Copper	190			3.4	mg/kg	6100-SED08C
BG581	Sediment	04/23/2021	1	7439-89-6	Iron	7400			14	mg/kg	6100-SED08C
BG581	Sediment	04/23/2021	1	7439-92-1	Lead	350			1.4	mg/kg	6100-SED08C
BG581	Sediment	04/23/2021	1	7439-95-4	Magnesium	2000			680	mg/kg	6100-SED08C
BG581	Sediment	04/23/2021	1	7439-96-5	Manganese	57			2.1	mg/kg	6100-SED08C
BG581	Sediment	04/23/2021	1	7440-02-0	Nickel	20			5.5	mg/kg	6100-SED08C
BG581	Sediment	04/23/2021	1	7440-09-7	Potassium	1000			680	mg/kg	6100-SED08C
BG581	Sediment	04/23/2021	1	7782-49-2	Selenium	4.8	U	U	4.8	mg/kg	6100-SED08C
BG581	Sediment	04/23/2021	1	7440-22-4	Silver	2.2			1.4	mg/kg	6100-SED08C
BG581	Sediment	04/23/2021	1	7440-23-5	Sodium	3500			680	mg/kg	6100-SED08C
BG581	Sediment	04/23/2021	1	7440-28-0	Thallium	3.4	U	U	3.4	mg/kg	6100-SED08C
BG581	Sediment	04/23/2021	1	7440-62-2	Vanadium	34			6.8	mg/kg	6100-SED08C
BG581	Sediment	04/23/2021	1	7440-66-6	Zinc	480			8.2	mg/kg	6100-SED08C
BG582	Sediment	04/23/2021	1	7429-90-5	Aluminum	5200			28	mg/kg	6100-SED09A
BG582	Sediment	04/23/2021	1	7440-36-0	Antimony	1.2	J*	J	8.5	mg/kg	6100-SED09A
BG582	Sediment	04/23/2021	1	7440-38-2	Arsenic	8.8			1.4	mg/kg	6100-SED09A
BG582	Sediment	04/23/2021	1	7440-39-3	Barium	200			28	mg/kg	6100-SED09A
BG582	Sediment	04/23/2021	1	7440-41-7	Beryllium	0.71	J	U	0.71	mg/kg	6100-SED09A
BG582	Sediment	04/23/2021	1	7440-43-9	Cadmium	6.4			0.71	mg/kg	6100-SED09A
BG582	Sediment	04/23/2021	1	7440-70-2	Calcium	2800			710	mg/kg	6100-SED09A
BG582	Sediment	04/23/2021	1	7440-47-3	Chromium	49			1.4	mg/kg	6100-SED09A
BG582	Sediment	04/23/2021	1	7440-48-4	Cobalt	4.7	J	J	7.1	mg/kg	6100-SED09A
BG582	Sediment	04/23/2021	1	7440-50-8	Copper	380			3.5	mg/kg	6100-SED09A
BG582	Sediment	04/23/2021	1	7439-89-6	Iron	14000			14	mg/kg	6100-SED09A
BG582	Sediment	04/23/2021	1	7439-92-1	Lead	720			1.4	mg/kg	6100-SED09A
BG582	Sediment	04/23/2021	1	7439-95-4	Magnesium	2800			710	mg/kg	6100-SED09A
BG582	Sediment	04/23/2021	1	7439-96-5	Manganese	82			2.1	mg/kg	6100-SED09A
BG582	Sediment	04/23/2021	1	7440-02-0	Nickel	38			5.7	mg/kg	6100-SED09A
BG582	Sediment	04/23/2021	1	7440-09-7	Potassium	1100			710	mg/kg	6100-SED09A
BG582	Sediment	04/23/2021	1	7782-49-2	Selenium	1.4	J	J	5.0	mg/kg	6100-SED09A
BG582	Sediment	04/23/2021	1	7440-22-4	Silver	3.7			1.4	mg/kg	6100-SED09A
BG582	Sediment	04/23/2021	1	7440-23-5	Sodium	4400			710	mg/kg	6100-SED09A
BG582	Sediment	04/23/2021	1	7440-28-0	Thallium	3.5	U	U	3.5	mg/kg	6100-SED09A
BG582	Sediment	04/23/2021	1	7440-62-2	Vanadium	67			7.1	mg/kg	6100-SED09A
BG582	Sediment	04/23/2021	1	7440-66-6	Zinc	920			8.5	mg/kg	6100-SED09A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG583	Sediment	04/23/2021	1	7429-90-5	Aluminum	7600			35	mg/kg	6100-SED09B
BG583	Sediment	04/23/2021	1	7440-36-0	Antimony	1.9	J*	J	11	mg/kg	6100-SED09B
BG583	Sediment	04/23/2021	1	7440-38-2	Arsenic	7.0			1.8	mg/kg	6100-SED09B
BG583	Sediment	04/23/2021	1	7440-39-3	Barium	120			35	mg/kg	6100-SED09B
BG583	Sediment	04/23/2021	1	7440-41-7	Beryllium	0.88	J	U	0.88	mg/kg	6100-SED09B
BG583	Sediment	04/23/2021	1	7440-43-9	Cadmium	6.5			0.88	mg/kg	6100-SED09B
BG583	Sediment	04/23/2021	1	7440-70-2	Calcium	5300			880	mg/kg	6100-SED09B
BG583	Sediment	04/23/2021	1	7440-47-3	Chromium	90			1.8	mg/kg	6100-SED09B
BG583	Sediment	04/23/2021	1	7440-48-4	Cobalt	6.3	J	J	8.8	mg/kg	6100-SED09B
BG583	Sediment	04/23/2021	1	7440-50-8	Copper	440			4.4	mg/kg	6100-SED09B
BG583	Sediment	04/23/2021	1	7439-89-6	Iron	15000			18	mg/kg	6100-SED09B
BG583	Sediment	04/23/2021	1	7439-92-1	Lead	1000			1.8	mg/kg	6100-SED09B
BG583	Sediment	04/23/2021	1	7439-95-4	Magnesium	4600			880	mg/kg	6100-SED09B
BG583	Sediment	04/23/2021	1	7439-96-5	Manganese	96			2.6	mg/kg	6100-SED09B
BG583	Sediment	04/23/2021	1	7440-02-0	Nickel	54			7.0	mg/kg	6100-SED09B
BG583	Sediment	04/23/2021	1	7440-09-7	Potassium	1600			880	mg/kg	6100-SED09B
BG583	Sediment	04/23/2021	1	7782-49-2	Selenium	1.2	J	J	6.1	mg/kg	6100-SED09B
BG583	Sediment	04/23/2021	1	7440-22-4	Silver	4.9			1.8	mg/kg	6100-SED09B
BG583	Sediment	04/23/2021	1	7440-23-5	Sodium	6400			880	mg/kg	6100-SED09B
BG583	Sediment	04/23/2021	1	7440-28-0	Thallium	4.4	U	U	4.4	mg/kg	6100-SED09B
BG583	Sediment	04/23/2021	1	7440-62-2	Vanadium	47			8.8	mg/kg	6100-SED09B
BG583	Sediment	04/23/2021	1	7440-66-6	Zinc	870			11	mg/kg	6100-SED09B
BG584	Sediment	04/23/2021	1	7429-90-5	Aluminum	8400			37	mg/kg	6100-SED09C
BG584	Sediment	04/23/2021	1	7440-36-0	Antimony	11	U*	U	11	mg/kg	6100-SED09C
BG584	Sediment	04/23/2021	1	7440-38-2	Arsenic	8.7			1.9	mg/kg	6100-SED09C
BG584	Sediment	04/23/2021	1	7440-39-3	Barium	120			37	mg/kg	6100-SED09C
BG584	Sediment	04/23/2021	1	7440-41-7	Beryllium	0.93	J	U	0.93	mg/kg	6100-SED09C
BG584	Sediment	04/23/2021	1	7440-43-9	Cadmium	6.4			0.93	mg/kg	6100-SED09C
BG584	Sediment	04/23/2021	1	7440-70-2	Calcium	7100			930	mg/kg	6100-SED09C
BG584	Sediment	04/23/2021	1	7440-47-3	Chromium	95			1.9	mg/kg	6100-SED09C
BG584	Sediment	04/23/2021	1	7440-48-4	Cobalt	6.9	J	J	9.3	mg/kg	6100-SED09C
BG584	Sediment	04/23/2021	1	7440-50-8	Copper	460			4.7	mg/kg	6100-SED09C
BG584	Sediment	04/23/2021	1	7439-89-6	Iron	18000			19	mg/kg	6100-SED09C
BG584	Sediment	04/23/2021	1	7439-92-1	Lead	860			1.9	mg/kg	6100-SED09C
BG584	Sediment	04/23/2021	1	7439-95-4	Magnesium	5900			930	mg/kg	6100-SED09C
BG584	Sediment	04/23/2021	1	7439-96-5	Manganese	120			2.8	mg/kg	6100-SED09C
BG584	Sediment	04/23/2021	1	7440-02-0	Nickel	52			7.5	mg/kg	6100-SED09C
BG584	Sediment	04/23/2021	1	7440-09-7	Potassium	1800			930	mg/kg	6100-SED09C
BG584	Sediment	04/23/2021	1	7782-49-2	Selenium	1.2	J	J	6.5	mg/kg	6100-SED09C
BG584	Sediment	04/23/2021	1	7440-22-4	Silver	5.8			1.9	mg/kg	6100-SED09C
BG584	Sediment	04/23/2021	1	7440-23-5	Sodium	7500			930	mg/kg	6100-SED09C
BG584	Sediment	04/23/2021	1	7440-28-0	Thallium	4.7	U	U	4.7	mg/kg	6100-SED09C
BG584	Sediment	04/23/2021	1	7440-62-2	Vanadium	45			9.3	mg/kg	6100-SED09C
BG584	Sediment	04/23/2021	1	7440-66-6	Zinc	1000			11	mg/kg	6100-SED09C
LCS01		04/29/2021	1	7429-90-5	Aluminum	38		J+	20	mg/kg	
LCS01		04/29/2021	1	7440-36-0	Antimony	12			6.0	mg/kg	
LCS01		04/29/2021	1	7440-38-2	Arsenic	1.7			1.0	mg/kg	
LCS01		04/29/2021	1	7440-39-3	Barium	39		J+	20	mg/kg	
LCS01		04/29/2021	1	7440-41-7	Beryllium	0.95		J+	0.50	mg/kg	
LCS01		04/29/2021	1	7440-43-9	Cadmium	1.0			0.50	mg/kg	
LCS01		04/29/2021	1	7440-70-2	Calcium	1000		J+	500	mg/kg	
LCS01		04/29/2021	1	7440-47-3	Chromium	2.0			1.0	mg/kg	
LCS01		04/29/2021	1	7440-48-4	Cobalt	10			5.0	mg/kg	
LCS01		04/29/2021	1	7440-50-8	Copper	4.6			2.5	mg/kg	
LCS01		04/29/2021	1	7439-89-6	Iron	20		J+	10	mg/kg	
LCS01		04/29/2021	1	7439-92-1	Lead	2.1		J+	1.0	mg/kg	
LCS01		04/29/2021	1	7439-95-4	Magnesium	930		J+	500	mg/kg	
LCS01		04/29/2021	1	7439-96-5	Manganese	3.1		J+	1.5	mg/kg	
LCS01		04/29/2021	1	7440-02-0	Nickel	8.4			4.0	mg/kg	
LCS01		04/29/2021	1	7440-09-7	Potassium	910			500	mg/kg	
LCS01		04/29/2021	1	7782-49-2	Selenium	6.7			3.5	mg/kg	
LCS01		04/29/2021	1	7440-22-4	Silver	1.8			1.0	mg/kg	
LCS01		04/29/2021	1	7440-23-5	Sodium	930			500	mg/kg	
LCS01		04/29/2021	1	7440-28-0	Thallium	4.6			2.5	mg/kg	
LCS01		04/29/2021	1	7440-62-2	Vanadium	9.5			5.0	mg/kg	
LCS01		04/29/2021	1	7440-66-6	Zinc	12			6.0	mg/kg	

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG514S	Sediment	04/23/2021	1	7440-36-0	Antimony	19	*		10	mg/kg	6100-SED26B
BG514S	Sediment	04/23/2021	1	7440-38-2	Arsenic	19			1.7	mg/kg	6100-SED26B
BG514S	Sediment	04/23/2021	1	7440-39-3	Barium	760		J+	34	mg/kg	6100-SED26B
BG514S	Sediment	04/23/2021	1	7440-41-7	Beryllium	16		J+	0.86	mg/kg	6100-SED26B
BG514S	Sediment	04/23/2021	1	7440-43-9	Cadmium	21			0.86	mg/kg	6100-SED26B
BG514S	Sediment	04/23/2021	1	7440-47-3	Chromium	140			1.7	mg/kg	6100-SED26B
BG514S	Sediment	04/23/2021	1	7440-48-4	Cobalt	160			8.6	mg/kg	6100-SED26B
BG514S	Sediment	04/23/2021	1	7440-50-8	Copper	460			4.3	mg/kg	6100-SED26B
BG514S	Sediment	04/23/2021	1	7439-92-1	Lead	880		J+	1.7	mg/kg	6100-SED26B
BG514S	Sediment	04/23/2021	1	7439-96-5	Manganese	250		J+	2.6	mg/kg	6100-SED26B
BG514S	Sediment	04/23/2021	1	7440-02-0	Nickel	220			6.9	mg/kg	6100-SED26B
BG514S	Sediment	04/23/2021	1	7782-49-2	Selenium	29			6.0	mg/kg	6100-SED26B
BG514S	Sediment	04/23/2021	1	7440-22-4	Silver	19			1.7	mg/kg	6100-SED26B
BG514S	Sediment	04/23/2021	1	7440-28-0	Thallium	15			4.3	mg/kg	6100-SED26B
BG514S	Sediment	04/23/2021	1	7440-62-2	Vanadium	210			8.6	mg/kg	6100-SED26B
BG514S	Sediment	04/23/2021	1	7440-66-6	Zinc	940			10	mg/kg	6100-SED26B
PBS01		04/29/2021	1	7429-90-5	Aluminum	20	U	U	20	mg/kg	
PBS01		04/29/2021	1	7440-36-0	Antimony	6.0	U	U	6.0	mg/kg	
PBS01		04/29/2021	1	7440-38-2	Arsenic	1.0	U	U	1.0	mg/kg	
PBS01		04/29/2021	1	7440-39-3	Barium	20	U	U	20	mg/kg	
PBS01		04/29/2021	1	7440-41-7	Beryllium	0.50	U	U	0.50	mg/kg	
PBS01		04/29/2021	1	7440-43-9	Cadmium	0.50	U	U	0.50	mg/kg	
PBS01		04/29/2021	1	7440-70-2	Calcium	500	U	U	500	mg/kg	
PBS01		04/29/2021	1	7440-47-3	Chromium	1.0	U	U	1.0	mg/kg	
PBS01		04/29/2021	1	7440-48-4	Cobalt	5.0	U	U	5.0	mg/kg	
PBS01		04/29/2021	1	7440-50-8	Copper	2.5	U	U	2.5	mg/kg	
PBS01		04/29/2021	1	7439-89-6	Iron	10	U	U	10	mg/kg	
PBS01		04/29/2021	1	7439-92-1	Lead	0.20	J	J	1.0	mg/kg	
PBS01		04/29/2021	1	7439-95-4	Magnesium	500	U	U	500	mg/kg	
PBS01		04/29/2021	1	7439-96-5	Manganese	1.5	U	U	1.5	mg/kg	
PBS01		04/29/2021	1	7440-02-0	Nickel	4.0	U	U	4.0	mg/kg	
PBS01		04/29/2021	1	7440-09-7	Potassium	500	U	U	500	mg/kg	
PBS01		04/29/2021	1	7782-49-2	Selenium	3.5	U	U	3.5	mg/kg	
PBS01		04/29/2021	1	7440-22-4	Silver	1.0	U	U	1.0	mg/kg	
PBS01		04/29/2021	1	7440-23-5	Sodium	-8.3	J	J	500	mg/kg	
PBS01		04/29/2021	1	7440-28-0	Thallium	2.5	U	U	2.5	mg/kg	
PBS01		04/29/2021	1	7440-62-2	Vanadium	5.0	U	U	5.0	mg/kg	
PBS01		04/29/2021	1	7440-66-6	Zinc	6.0	U	U	6.0	mg/kg	
BG514A	Sediment	04/23/2021	1	7440-36-0	Antimony	20			10	mg/kg	6100-SED26B
BG514D	Sediment	04/23/2021	5	7439-97-6	Mercury	2.0	D		0.85	mg/kg	6100-SED26B
BG514	Sediment	04/23/2021	5	7439-97-6	Mercury	2.6	D	J+	0.85	mg/kg	6100-SED26B
BG579	Sediment	04/23/2021	1	7439-97-6	Mercury	0.76			0.14	mg/kg	6100-SED08A
BG580	Sediment	04/23/2021	1	7439-97-6	Mercury	0.12			0.11	mg/kg	6100-SED08B
BG581	Sediment	04/23/2021	1	7439-97-6	Mercury	1.3			0.14	mg/kg	6100-SED08C
BG582	Sediment	04/23/2021	1	7439-97-6	Mercury	1.8			0.15	mg/kg	6100-SED09A
BG583	Sediment	04/23/2021	2	7439-97-6	Mercury	2.6	D		0.35	mg/kg	6100-SED09B
BG584	Sediment	04/23/2021	2	7439-97-6	Mercury	2.6	D		0.38	mg/kg	6100-SED09C
BG514S	Sediment	04/23/2021	5	7439-97-6	Mercury	6.6	D		0.85	mg/kg	6100-SED26B
PBS01		04/28/2021	1	7439-97-6	Mercury	0.10	U	U	0.10	mg/kg	
BG514D	Sediment	04/23/2021	1	57-12-5	Cyanide	0.86	U	U	0.86	mg/kg	6100-SED26B
BG514	Sediment	04/23/2021	1	57-12-5	Cyanide	0.86	U*	UJ	0.86	mg/kg	6100-SED26B
BG579	Sediment	04/23/2021	1	57-12-5	Cyanide	0.68	U*	U	0.68	mg/kg	6100-SED08A
BG580	Sediment	04/23/2021	1	57-12-5	Cyanide	0.57	U*	U	0.57	mg/kg	6100-SED08B
BG581	Sediment	04/23/2021	1	57-12-5	Cyanide	0.29	J*	J	0.66	mg/kg	6100-SED08C
BG582	Sediment	04/23/2021	1	57-12-5	Cyanide	0.81	U*	U	0.81	mg/kg	6100-SED09A
BG583	Sediment	04/23/2021	1	57-12-5	Cyanide	0.82	U*	U	0.82	mg/kg	6100-SED09B
BG584	Sediment	04/23/2021	1	57-12-5	Cyanide	0.93	U*	U	0.93	mg/kg	6100-SED09C
BG514S	Sediment	04/23/2021	1	57-12-5	Cyanide	0.68	J*	J	0.86	mg/kg	6100-SED26B
PBS01		05/03/2021	1	57-12-5	Cyanide	0.50	U	U	0.50	mg/kg	
BG514A	Sediment	04/23/2021	1	57-12-5	Cyanide	3.9			0.86	mg/kg	6100-SED26B

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
LSASD/HWSB/HWSS
2890 Woodbridge Avenue, Edison, NJ 08837

EXECUTIVE NARRATIVE

Case No.:49391
Site: Coney Island Creek
Number of Samples: 15 (Sediment)
Analysis: Metals (ICP-AES), Hg and Cyanide

SDG No.: BG515
Laboratory: Bonner Analytical Testing Co.
Sampling dates: 4/26/2021
Validation SOP: HW-3a and -3c (Rev 1)

QAPP
Contractor: Weston Solutions, Inc.
Reference: DCN: SAT-V.6102.0022, April 1, 2021

SUMMARY OF DEFINITIONS:

Critical: Results have an unacceptable level of uncertainty and should not be used for making decisions. Data have been qualified "R" rejected.
Major: A level of uncertainty exists that may not meet the data quality objectives for the project. A bias is likely to be present in the results. Data has been qualified "J" estimated. "J+" and "J-" represent likely direction of the bias.
Minor: The level of uncertainty is acceptable. No significant bias in the data was observed.

Critical Findings:
None

Major Findings:
Samples BG515, BG576, BG577, BG578, BG585, BG586, BG594 and BG595 have analytes that have been qualified J, J+ or J-.

Minor Findings:
"-M" is appended to all deliverable files of this SDG only to flag that the data are Inorganic. One or more analytes in one or more samples are qualified "J" due to results between MDL and CRQL.

COMMENT: Per request in ARF, summary reports were created using RSL-Industrial soil.

Reviewer Name(s): Dharmesh Patel

Approver's Signature: **Date: 6/10/2021**

Name: **Narendra Kumar**

Affiliation: USEPA/R2/HWSB/HWSS

Data Qualifier Definitions (National Functional Guidelines)			
Qualifier Symbol	**Explanation**		
	INORGANICS	**ORGANICS**	**CHLORINATED DIOXIN/FURAN**
U	The analyte was analyzed for, but was not detected above the level of the reported quantitation limit.	The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted Contract Required Quantitation Limit (CRQL) for sample and method	The analyte was analyzed for but not detected. The value preceding the "U" may represent the adjusted Contract Required Quantitation Limit (see DLM02.X, Exhibit D, Section 1.2 and Table 2), or the sample specific estimated detection limit (EDL, see Method 8290A, Section 11.9.5).
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to an issue with the quality of the data generated because certain QC criteria were not met, or the concentration of the analyte was below the adjusted CRQL).
J+	The result is an estimated quantity, but the result may be biased high.	The result is an estimated quantity, but the result may be biased high.	
J–	The result is an estimated quantity, but the result may be biased low.	The result is an estimated quantity, but the result may be biased low.	
UJ	The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.	The analyte was not detected at a level greater than or equal to the adjusted CRQL. However, the reported adjusted CRQL is approximate and may be inaccurate or imprecise.	The analyte was not detected (see definition of "U" flag, above). The reported value should be considered approximate.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
N		The analysis indicates the presence of an analyte for which there is presumptive evidence to make a “tentative identification”.	
NJ		The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	
C		This qualifier applies to pesticide and Aroclor results when the identification has been confirmed by Gas Chromatograph/Mass Spectrometer (GC/MS).	
X		This qualifier applies to pesticide and Aroclor results when GC/MS analysis was attempted but was unsuccessful.	

DATA ASSESSMENT

ANALYSIS: METALS ICP-AES

The current SOP HW-3a (Rev 1) September 2016, USEPA Region II for the evaluation of ICP-AES metals data, and all related Change Request Forms (CRF) for this SOP, generated through Statement of Work SFAM01.1, and any future editorial revisions of SFAM01.1 has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi- Automated Screening Results Report.

1. HOLDING TIME AND PRESERVATION

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time or pH (aqueous samples are not within the acceptable range, the data may not be valid. Those analytes detected in the samples whose holding time (180 days) or pH (≤2) have not been met, will be qualified as estimated, "J"; the non-detects will be flagged as unusable, "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. CALIBRATION

Method requirements for satisfactory instrument calibration are established to ensure that the instrument is capable of producing acceptable quantitative data for the metals on the Inorganic Target Analyte List (TAL). Initial Calibration Verification (ICV) demonstrates that the instrument is capable of acceptable performance at the beginning of the analytical run. Continuing Calibration Verification (CCV) demonstrates that the initial calibration is still valid by checking the performance of the instrument on a continuing basis.

A) INITIAL CALIBRATION

A blank and at least five calibration standards shall be used to establish each analytical curve. At least one of these standards shall be at or below the CRQL. The calibration curve shall be fitted using linear regression or weighted linear regression. The curve may be forced through zero. The curve must have a correlation coefficient ≥ 0.995. The percent differences calculated for all of the non-zero standards must be within ±30% of the true value of the standard. The y-intercept of the curve must be less than the CRQL. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) INITIAL AND CONTINUING CALIBRATION VERIFICATION

Immediately after each system has been calibrated, the accuracy of the initial calibration must be verified and documented for each target analyte by the analysis of an ICV solution(s).
The CCV standard shall be analyzed at a frequency of every two hours during an analytical run. The CCV standard shall also be analyzed at the beginning of the run, and again after the last analytical sample. The percent recovery acceptable limits for ICV/CCV are 90 – 110%. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

3. BLANK CONTAMINATION

Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Calibration blanks (ICB and CCB) are used to ensure a stable instrument baseline before and during the analysis of analytical samples. The preparation blank is used to assess the level of contamination introduced to the analytical samples throughout the sample preparation process. Field and rinse blanks measure cross-contamination of samples during field operations. Qualifications were applied to the samples and analytes as shown below.

The following sample has analyte results less than CRQLs. The associated CCB analyte results are less than CRQLs. Detects are qualified as U. Sample results are reported at CRQLs.

Barium BG588

4. **INTERFERENCE CHECK SAMPLE**

The Interference Check Sample (ICS) verifies the analytical instrument's ability to overcome interferences typical of those found in samples. The laboratory should have analyzed and reported ICS results for all elements being reported from the analytical run and for all interferents (target and non-target) for these reported elements. The ICS consists of two solutions: Solution A and Solution AB. Solution A consists of the interferents, and Solution AB consists of the analytes mixed with the interferents. Results for the analysis of ICS Solution must fall within the control limits of ± 20% or ±CRQL (whichever is greater) of the true value for the analytes and interferents included in the solution. If results that are ≥ MDL are observed for analytes that are not present in the ICS solution, the possibility of false positives exists. If negative results are observed for analytes that are not present in the ICS solution, and their absolute value is ≥ MDL, the possibility of false negatives in the samples exists. In general, ICP sample data can be accepted if the concentrations of Al, Ca, Fe, and Mg in the sample are found to be less than or equal to their respective concentrations in the ICS. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

5. SPIKE SAMPLE ANALYSIS

The spiked sample analysis is designed to provide information about the effect of each sample matrix on the sample preparation procedures and the measurement methodology. The spike Percent Recovery (%R) shall be within the established acceptance limits of 75 – 125%. However, spike recovery limits do not apply when the sample concentration is ≥ 4x the spike added. For a matrix spike analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the matrix spike sample.

The following sample has matrix spike recovery in the range of 30 – 74% and the post digestion spike sample has percent recovery greater than or equal to 75%. Detects are qualified as J. Nondetects are qualified as UJ.

Antimony BG576

6. DUPLICATE SAMPLE ANALYSIS

The objective of duplicate sample analysis is to demonstrate acceptable method precision by the laboratory at the time of analysis. A control limit of 35% for the Relative Percent Difference (RPD) shall be used for original and duplicate sample values ≥ five times (5x) the Contract Required

Quantitation Limit (CRQL). A control limit of the CRQL shall be used if either the sample or duplicate value is < 5x the CRQL. For a duplicate sample analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the duplicate sample.

No problems were found for this criterion.

7. FIELD DUPLICATE: BG578/ BG515

Field duplicates may be taken and analyzed as an indication of overall precision. These analyses measure both field and laboratory precision. A control limit of 50% for the Relative Percent Difference (RPD) shall be used for original and duplicate sample values ≥ five times (5x) the Contract Required Quantitation Limit (CRQL). A control limit of 2x the CRQL shall be used if either the sample or duplicate value is < 5x the CRQL. For field duplicates analysis that does not meet the technical criteria, the action was applied to only the field sample and it's duplicate.

No problems were found for this criterion.

8. LABORATORY CONTROL SAMPLE

The Laboratory Control Sample (LCS) serves as a monitor of the overall performance of each step during the analysis, including the sample preparation. Aqueous/water, soil/sediment, wipe, and filter LCSs shall be analyzed for each analyte utilizing the same sample preparations, analytical methods, and Quality Assurance/Quality Control (QA/QC) procedures as employed for the samples. All LCS Percent Recoveries (%R) must fall within the control limits of 70-130%, except for Sb and Ag which must fall within the control limits of 50-150%. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

9. ICP SERIAL DILUTION

The serial dilution of samples quantitated by Inductively Coupled Plasma determines whether or not significant physical or chemical interferences exist due to sample matrix. If the analyte concentration is sufficiently high [concentration in the original sample is > 50 times (50x) the Method Detection Limit (MDL)], the Percent Difference (%D) between the original determination and the serial dilution analysis (a five-fold dilution) after correction for dilution shall be less than 15. For a serial dilution analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the serial dilution sample.

No problems were found for this criterion.

10. PERCENT SOLIDS

The laboratory is required to perform the percent solids determination prior to sample preparation and analysis. All results of a sample with percent solids less than 50% are qualified estimated, "J". Qualifications were applied to the samples and analytes as shown below.

The following sediment samples have percent solids less than 50%. Detects are qualified as J. Nondetects are qualified as UJ.

BG515, BG576, BG577, BG578, BG585, BG586, BG594, BG595

11. OTHER PROBLEM

EXES reported Lead result for sample BG585 as 910 mg/Kg. The Form 1-IN reported as 930 mg/Kg. Upon calculating from the raw data, the lead result for sample BG585 was 925.27 mg/kg. Therefore, the form1-IN result was reported for Lead for sample BG585.

ANALYSIS: MERCURY

The current SOP HW-3c (Rev 1) September 2016, USEPA Region II for the evaluation of Mercury data, and all related Change Request Forms (CRF) for this SOP, generated through Statement of Work SFAM01.1, and any future editorial revisions of SFAM01.1 has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report.

1. HOLDING TIME AND PRESERVATION

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time, pH (aqueous samples), or cooler temperature are not within the acceptable range, the data may not be valid. Those analytes detected in the samples whose holding time (28 days) and pH (≤2) have not been met, will be qualified as estimated, "J"; the non-detects (sample quantitation limits) will be flagged as unusable, "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. CALIBRATION

Method requirements for satisfactory instrument calibration are established to ensure that the instrument is capable of producing acceptable quantitative data for mercury. Initial Calibration Verification (ICV) demonstrates that the instrument is capable of acceptable performance at the beginning of the analytical run. Continuing Calibration Verification (CCV) demonstrates that the initial calibration is still valid by checking the performance of the instrument on a continuing basis.

A) INITIAL CALIBRATION

A blank and at least five calibration standards shall be employed to establish the analytical curve. At least one of the calibration standards shall be at or below the Contract Required Quantitation Limit (CRQL). The calibration curve shall be fitted using linear regression or weighted linear regression. The curve may be forced through zero. The calibration curves for mercury shall possess a correlation coefficient of ≥ 0.995 to ensure the linearity over the calibrated range. The percent differences calculated for all of the non-zero standards must fall within ±30% of the true value of the standard. The y-intercept of the curve must be less than the CRQL. All sample results shall be reported from an analysis within the calibrated range. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) INITIAL AND CONTINUING CALIBRATION VERIFICATION

Immediately after each system has been calibrated, the accuracy of the initial calibration must be verified and documented for mercury by the analysis of an ICV solution(s). The CCV standard shall be analyzed at a frequency of every hour during an analytical run. The CCV standard shall also be

analyzed at the beginning of the run, and again after the last analytical sample. The percent recovery acceptable limits for ICV/CCV are 85 – 115%. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

3. BLANK CONTAMINATION

Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure cross-contamination of samples during field operations. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

4. SPIKE SAMPLE ANALYSIS

The spiked sample analysis is designed to provide information about the effect of each sample matrix on the sample preparation procedures and the measurement methodology. The spike Percent Recovery (%R) shall be within the established acceptance limits of 75 – 125%. However, spike recovery limits do not apply when the sample concentration is ≥ 4x the spike added. For a matrix spike analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the matrix spike sample.

No problems were found for this criterion.

5. DUPLICATE SAMPLE ANALYSIS

The objective of duplicate sample analysis is to demonstrate acceptable method precision by the laboratory at the time of analysis. A control limit of 35% for the Relative Percent Difference (RPD) shall be used for original and duplicate sample values ≥ five times (5x) the Contract Required Quantitation Limit (CRQL). A control limit of the CRQL shall be used if either the sample or duplicate value is < 5x the CRQL. For a duplicate sample analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the duplicate sample.

No problems were found for this criterion.

6. FIELD DUPLICATE: BG578/ BG515

Field duplicates may be taken and analyzed as an indication of overall precision. These analyses measure both field and laboratory precision. A control limit of 20% for the Relative Percent Difference (RPD) shall be used for original and duplicate sample values ≥ five times (5x) the Contract Required Quantitation Limit (CRQL). A control limit of the CRQL shall be used if either the sample or duplicate value is < 5x the CRQL. For field duplicates analysis that does not meet the technical criteria, the action was applied to only the field sample and it's duplicate.

No problems were found for this criterion.

7. PERCENT SOLIDS

The laboratory is required to perform the percent solids determination prior to sample preparation and analysis. Qualifications were applied to the samples and analytes as shown below.

The following sediment samples have percent solids less than 50%. Detects are qualified as J. Nondetects are qualified as UJ.

BG515, BG576, BG577, BG578, BG585, BG586, BG594, BG595

ANALYSIS: CYANIDE

The current SOP HW-3c (Rev 1) September 2016, USEPA Region II for the evaluation of Cyanide data, and all related Change Request Forms (CRF) for this SOP, generated through Statement of Work SFAM01.1, and any future editorial revisions of SFAM01.1 has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report.

1. HOLDING TIME AND PRESERVATION

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time, pH (aqueous samples), or cooler temperature are not within the acceptable range, the data may not be valid. Those analytes detected in the samples whose holding time (14 days) and pH (≥12) have not been met, will be qualified as estimated, "J"; the non-detects (sample quantitation limits) will be flagged as unusable, "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. CALIBRATION

Method requirements for satisfactory instrument calibration are established to ensure that the instrument is capable of producing acceptable quantitative data for cyanide. Initial Calibration Verification (ICV) demonstrates that the instrument is capable of acceptable performance at the beginning of the analytical run. Continuing Calibration Verification (CCV) demonstrates that the initial calibration is still valid by checking the performance of the instrument on a continuing basis.

A) INITIAL CALIBRATION

A blank and at least five calibration standards shall be employed to establish the analytical curve. At least one of the calibration standards shall be at or below the Contract Required Quantitation Limit (CRQL). The calibration curve shall be fitted using linear regression or weighted linear regression. The curve may be forced through zero. The calibration curve for cyanide shall possess a correlation coefficient of ≥ 0.995 to ensure the linearity over the calibrated range. The percent differences calculated for all of the non-zero standards must be within ±30% of the true value of the standard. The y-intercept of the curve must be less than the CRQL. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) INITIAL AND CONTINUING CALIBRATION VERIFICATION

Immediately after each system has been calibrated, the accuracy of the initial calibration must be verified and documented for cyanide by the analysis of an ICV solution(s).

The CCV standard shall be analyzed at a frequency of every hour during an analytical run. The CCV standard shall also be analyzed at the beginning of the run, and again after the last analytical sample. The percent recovery acceptable limits for ICV/CCV are 85 – 115%. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

3. BLANK CONTAMINATION

Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure cross-contamination of samples during field operations. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

4. SPIKE SAMPLE ANALYSIS

The spiked sample analysis is designed to provide information about the effect of each sample matrix on the sample preparation procedures and the measurement methodology. The spike Percent Recovery (%R) shall be within the established acceptance limits of 75 – 125%. However, spike recovery limits do not apply when the sample concentration is ≥ 4x the spike added. For a matrix spike analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the matrix spike sample.

The following sample has matrix spike recovery in the range of 30 – 74% and the post digestion spike sample has percent recovery greater than or equal to 75%. Detects are qualified as J. Nondetects are qualified as UJ.

Cyanide BG576

5. DUPLICATE SAMPLE ANALYSIS

The objective of duplicate sample analysis is to demonstrate acceptable method precision by the laboratory at the time of analysis. A control limit of 20% for the Relative Percent Difference (RPD) shall be used for original and duplicate sample values ≥ five times (5x) the Contract Required Quantitation Limit (CRQL). A control limit of the CRQL shall be used if either the sample or duplicate value is < 5x the CRQL. For a duplicate sample analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the duplicate sample.

No problems were found for this criterion.

6. FIELD DUPLICATE: BG578/ BG515

Field duplicates may be taken and analyzed as an indication of overall precision. These analyses measure both field and laboratory precision. A control limit of 20% for the Relative Percent Difference (RPD) shall be used for original and duplicate sample values ≥ five times (5x) the Contract Required Quantitation Limit (CRQL). A control limit of the CRQL shall be used if either the sample or duplicate value is < 5x the CRQL. For field duplicates analysis that does not meet the technical criteria, the action was applied to only the field sample and it's duplicate.

No problems were found for this criterion.

7. PERCENT SOLIDS

The laboratory is required to perform the percent solids determination prior to sample preparation and analysis. Qualifications were applied to the samples and analytes as shown below.

The following sediment samples have percent solids less than 50%. Detects are qualified as J. Nondetects are qualified as UJ.

BG515, BG576, BG577, BG578, BG585, BG586, BG594, BG595

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG515** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED26C

Sample Number: BG515	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: SED07	pH:	Sample Date: 04/26/2021	Sample Time: 09:25:00
% Moisture:		% Solids: 40	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	0.52	J	mg/kg	0.52	J*	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG515** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED26C

Sample Number: BG515	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SED07	pH:	Sample Date: 04/26/2021	Sample Time: 09:25:00
% Moisture:		% Solids: 40	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	3.5	J	mg/kg	3.5	D	2	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG515** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED26C

Sample Number: BG515	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SED07	pH: 0	Sample Date: 04/26/2021	Sample Time: 09:25:00
% Moisture:		% Solids: 40	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	14000	J	mg/kg	14000		1	YES	S3VEM
Antimony	Target	14	UJ	mg/kg	14	U*	1	YES	S3VEM
Arsenic	Target	18	J	mg/kg	18		1	YES	S3VEM
Barium	Target	230	J	mg/kg	230		1	YES	S3VEM
Beryllium	Target	0.69	J	mg/kg	0.69	J	1	YES	S3VEM
Cadmium	Target	11	J	mg/kg	11		1	YES	S3VEM
Calcium	Target	6800	J	mg/kg	6800		1	YES	S3VEM
Chromium	Target	200	J	mg/kg	200		1	YES	S3VEM
Cobalt	Target	9.6	J	mg/kg	9.6	J	1	YES	S3VEM
Copper	Target	560	J	mg/kg	560		1	YES	S3VEM
Iron	Target	27000	J	mg/kg	27000		1	YES	S3VEM
Lead	Target	890	J	mg/kg	890		1	YES	S3VEM
Magnesium	Target	6700	J	mg/kg	6700		1	YES	S3VEM
Manganese	Target	210	J	mg/kg	210		1	YES	S3VEM
Nickel	Target	66	J	mg/kg	66		1	YES	S3VEM
Potassium	Target	3200	J	mg/kg	3200		1	YES	S3VEM
Selenium	Target	1.5	J	mg/kg	1.5	J	1	YES	S3VEM
Silver	Target	8.4	J	mg/kg	8.4		1	YES	S3VEM
Sodium	Target	11000	J	mg/kg	11000		1	YES	S3VEM
Thallium	Target	6.0	UJ	mg/kg	6.0	U	1	YES	S3VEM
Vanadium	Target	100	J	mg/kg	100		1	YES	S3VEM
Zinc	Target	1000	J	mg/kg	1000		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG515** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED07A

Sample Number: BG576	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: SED07	pH:	Sample Date: 04/26/2021	Sample Time: 08:55:00
% Moisture:		% Solids: 33	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	1.5	UJ	mg/kg	1.5	U*	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG515** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED07A

Sample Number: BG576	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SED07	pH:	Sample Date: 04/26/2021	Sample Time: 08:55:00
% Moisture:		% Solids: 33	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	1.8	J	mg/kg	1.8		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG515** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED07A

Sample Number: BG576	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SED07	pH: 0	Sample Date: 04/26/2021	Sample Time: 08:55:00
% Moisture:		% Solids: 33	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	19000	J	mg/kg	19000		1	YES	S3VEM
Antimony	Target	17	UJ	mg/kg	17	U*	1	YES	S3VEM
Arsenic	Target	12	J	mg/kg	12		1	YES	S3VEM
Barium	Target	130	J	mg/kg	130		1	YES	S3VEM
Beryllium	Target	0.93	J	mg/kg	0.93	J	1	YES	S3VEM
Cadmium	Target	4.3	J	mg/kg	4.3		1	YES	S3VEM
Calcium	Target	7800	J	mg/kg	7800		1	YES	S3VEM
Chromium	Target	110	J	mg/kg	110		1	YES	S3VEM
Cobalt	Target	12	J	mg/kg	12	J	1	YES	S3VEM
Copper	Target	310	J	mg/kg	310		1	YES	S3VEM
Iron	Target	33000	J	mg/kg	33000		1	YES	S3VEM
Lead	Target	450	J	mg/kg	450		1	YES	S3VEM
Magnesium	Target	9900	J	mg/kg	9900		1	YES	S3VEM
Manganese	Target	310	J	mg/kg	310		1	YES	S3VEM
Nickel	Target	52	J	mg/kg	52		1	YES	S3VEM
Potassium	Target	4700	J	mg/kg	4700		1	YES	S3VEM
Selenium	Target	10	UJ	mg/kg	10	U	1	YES	S3VEM
Silver	Target	5.0	J	mg/kg	5.0		1	YES	S3VEM
Sodium	Target	16000	J	mg/kg	16000		1	YES	S3VEM
Thallium	Target	7.1	UJ	mg/kg	7.1	U	1	YES	S3VEM
Vanadium	Target	63	J	mg/kg	63		1	YES	S3VEM
Zinc	Target	670	J	mg/kg	670		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG515** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: BG576A	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 04/26/2021	Sample Time: 08:55:00
% Moisture:		% Solids: 33	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Spike	5.5		mg/kg	5.5		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG515** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: BG576A	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location:	pH: 0	Sample Date: 04/26/2021	Sample Time: 08:55:00
% Moisture:		% Solids: 33	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Spike	31		mg/kg	31		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG515** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: BG576D	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 04/26/2021	Sample Time: 08:55:00
% Moisture:		% Solids: 33	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	1.5	U	mg/kg	1.5	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG515** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: BG576D	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 04/26/2021	Sample Time: 08:55:00
% Moisture:		% Solids: 33	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	1.8		mg/kg	1.8		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG515** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: BG576D	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location:	pH: 0	Sample Date: 04/26/2021	Sample Time: 08:55:00
% Moisture:		% Solids: 33	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	19000		mg/kg	19000		1	YES	S3VEM
Antimony	Target	17	U	mg/kg	17	U	1	YES	S3VEM
Arsenic	Target	13		mg/kg	13		1	YES	S3VEM
Barium	Target	140	J+	mg/kg	140		1	YES	S3VEM
Beryllium	Target	0.96	J	mg/kg	0.96	J	1	YES	S3VEM
Cadmium	Target	4.5		mg/kg	4.5		1	YES	S3VEM
Calcium	Target	8000		mg/kg	8000		1	YES	S3VEM
Chromium	Target	120		mg/kg	120		1	YES	S3VEM
Cobalt	Target	12	J	mg/kg	12	J	1	YES	S3VEM
Copper	Target	320		mg/kg	320		1	YES	S3VEM
Iron	Target	34000	J+	mg/kg	34000		1	YES	S3VEM
Lead	Target	480		mg/kg	480		1	YES	S3VEM
Magnesium	Target	10000		mg/kg	10000		1	YES	S3VEM
Manganese	Target	320	J+	mg/kg	320		1	YES	S3VEM
Nickel	Target	54		mg/kg	54		1	YES	S3VEM
Potassium	Target	4900		mg/kg	4900		1	YES	S3VEM
Selenium	Target	10	U	mg/kg	10	U	1	YES	S3VEM
Silver	Target	5.6		mg/kg	5.6		1	YES	S3VEM
Sodium	Target	17000	J-	mg/kg	17000		1	YES	S3VEM
Thallium	Target	7.1	U	mg/kg	7.1	U	1	YES	S3VEM
Vanadium	Target	65		mg/kg	65		1	YES	S3VEM
Zinc	Target	690		mg/kg	690		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG515** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: BG576L	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location:	pH: 0	Sample Date:	Sample Time:
% Moisture:		% Solids: 33	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	19000		mg/kg	19000		5	YES	S3VEM
Antimony	Target	86	U	mg/kg	86	U	5	YES	S3VEM
Arsenic	Target	12	J	mg/kg	12	J	5	YES	S3VEM
Barium	Target	290	U	mg/kg	130	J	5	YES	S3VEM
Beryllium	Target	1.0	J	mg/kg	1.0	J	5	YES	S3VEM
Cadmium	Target	4.5	J	mg/kg	4.5	J	5	YES	S3VEM
Calcium	Target	8200		mg/kg	8200		5	YES	S3VEM
Chromium	Target	120		mg/kg	120		5	YES	S3VEM
Cobalt	Target	14	J	mg/kg	14	J	5	YES	S3VEM
Copper	Target	300		mg/kg	300		5	YES	S3VEM
Iron	Target	34000	J+	mg/kg	34000		5	YES	S3VEM
Lead	Target	420		mg/kg	420		5	YES	S3VEM
Magnesium	Target	10000		mg/kg	10000		5	YES	S3VEM
Manganese	Target	320	J+	mg/kg	320		5	YES	S3VEM
Nickel	Target	47	J	mg/kg	47	J	5	YES	S3VEM
Potassium	Target	4800	J	mg/kg	4800	J	5	YES	S3VEM
Selenium	Target	50	U	mg/kg	50	U	5	YES	S3VEM
Silver	Target	5.3	J	mg/kg	5.3	J	5	YES	S3VEM
Sodium	Target	16000	J-	mg/kg	16000		5	YES	S3VEM
Thallium	Target	36	U	mg/kg	36	U	5	YES	S3VEM
Vanadium	Target	65	J	mg/kg	65	J	5	YES	S3VEM
Zinc	Target	610		mg/kg	610		5	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG515** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: BG576S	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 04/26/2021	Sample Time: 08:55:00
% Moisture:		% Solids: 33	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Spike	6.6		mg/kg	6.6	*	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG515** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: BG576S	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 04/26/2021	Sample Time: 08:55:00
% Moisture:		% Solids: 33	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Spike	3.2		mg/kg	3.2		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG515** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: BG576S	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location:	pH: 0	Sample Date: 04/26/2021	Sample Time: 08:55:00
% Moisture:		% Solids: 33	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Spike	20		mg/kg	20	*	1	YES	S3VEM
Arsenic	Spike	31		mg/kg	31		1	YES	S3VEM
Barium	Spike	1200	J+	mg/kg	1200		1	YES	S3VEM
Beryllium	Spike	26		mg/kg	26		1	YES	S3VEM
Cadmium	Spike	29		mg/kg	29		1	YES	S3VEM
Chromium	Spike	230		mg/kg	230		1	YES	S3VEM
Cobalt	Spike	260		mg/kg	260		1	YES	S3VEM
Copper	Spike	450		mg/kg	450		1	YES	S3VEM
Lead	Spike	480		mg/kg	480		1	YES	S3VEM
Manganese	Spike	570	J+	mg/kg	570		1	YES	S3VEM
Nickel	Spike	340		mg/kg	340		1	YES	S3VEM
Selenium	Spike	46		mg/kg	46		1	YES	S3VEM
Silver	Spike	29		mg/kg	29		1	YES	S3VEM
Thallium	Spike	23		mg/kg	23		1	YES	S3VEM
Vanadium	Spike	320		mg/kg	320		1	YES	S3VEM
Zinc	Spike	950		mg/kg	950		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG515** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED07B

Sample Number: BG577	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: SED07	pH:	Sample Date: 04/26/2021	Sample Time: 09:05:00
% Moisture:		% Solids: 35	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	0.75	J	mg/kg	0.75	J*	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG515** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED07B

Sample Number: BG577	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SED07	pH:	Sample Date: 04/26/2021	Sample Time: 09:05:00
% Moisture:		% Solids: 35	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	4.3	J	mg/kg	4.3	D	2	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG515** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED07B

Sample Number: BG577	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SED07	pH: 0	Sample Date: 04/26/2021	Sample Time: 09:05:00
% Moisture:		% Solids: 35	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	17000	J	mg/kg	17000		1	YES	S3VEM
Antimony	Target	16	UJ	mg/kg	16	U*	1	YES	S3VEM
Arsenic	Target	17	J	mg/kg	17		1	YES	S3VEM
Barium	Target	210	J	mg/kg	210		1	YES	S3VEM
Beryllium	Target	0.82	J	mg/kg	0.82	J	1	YES	S3VEM
Cadmium	Target	11	J	mg/kg	11		1	YES	S3VEM
Calcium	Target	8500	J	mg/kg	8500		1	YES	S3VEM
Chromium	Target	240	J	mg/kg	240		1	YES	S3VEM
Cobalt	Target	11	J	mg/kg	11	J	1	YES	S3VEM
Copper	Target	630	J	mg/kg	630		1	YES	S3VEM
Iron	Target	32000	J	mg/kg	32000		1	YES	S3VEM
Lead	Target	1100	J	mg/kg	1100		1	YES	S3VEM
Magnesium	Target	8300	J	mg/kg	8300		1	YES	S3VEM
Manganese	Target	270	J	mg/kg	270		1	YES	S3VEM
Nickel	Target	72	J	mg/kg	72		1	YES	S3VEM
Potassium	Target	4000	J	mg/kg	4000		1	YES	S3VEM
Selenium	Target	9.6	UJ	mg/kg	9.6	U	1	YES	S3VEM
Silver	Target	9.3	J	mg/kg	9.3		1	YES	S3VEM
Sodium	Target	15000	J	mg/kg	15000		1	YES	S3VEM
Thallium	Target	6.9	UJ	mg/kg	6.9	U	1	YES	S3VEM
Vanadium	Target	92	J	mg/kg	92		1	YES	S3VEM
Zinc	Target	1000	J	mg/kg	1000		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG515** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED07C

Sample Number: BG578	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: SED07	pH:	Sample Date: 04/26/2021	Sample Time: 09:15:00
% Moisture:		% Solids: 40	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	1.3	J	mg/kg	1.3	*	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG515** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED07C

Sample Number: BG578	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SED07	pH:	Sample Date: 04/26/2021	Sample Time: 09:15:00
% Moisture:		% Solids: 40	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	4.2	J	mg/kg	4.2	D	3	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG515** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED07C

Sample Number: BG578	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SED07	pH: 0	Sample Date: 04/26/2021	Sample Time: 09:15:00
% Moisture:		% Solids: 40	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	14000	J	mg/kg	14000		1	YES	S3VEM
Antimony	Target	15	UJ	mg/kg	15	U*	1	YES	S3VEM
Arsenic	Target	18	J	mg/kg	18		1	YES	S3VEM
Barium	Target	230	J	mg/kg	230		1	YES	S3VEM
Beryllium	Target	0.70	J	mg/kg	0.70	J	1	YES	S3VEM
Cadmium	Target	11	J	mg/kg	11		1	YES	S3VEM
Calcium	Target	7600	J	mg/kg	7600		1	YES	S3VEM
Chromium	Target	210	J	mg/kg	210		1	YES	S3VEM
Cobalt	Target	9.7	J	mg/kg	9.7	J	1	YES	S3VEM
Copper	Target	580	J	mg/kg	580		1	YES	S3VEM
Iron	Target	28000	J	mg/kg	28000		1	YES	S3VEM
Lead	Target	940	J	mg/kg	940		1	YES	S3VEM
Magnesium	Target	6800	J	mg/kg	6800		1	YES	S3VEM
Manganese	Target	210	J	mg/kg	210		1	YES	S3VEM
Nickel	Target	70	J	mg/kg	70		1	YES	S3VEM
Potassium	Target	3200	J	mg/kg	3200		1	YES	S3VEM
Selenium	Target	1.5	J	mg/kg	1.5	J	1	YES	S3VEM
Silver	Target	8.2	J	mg/kg	8.2		1	YES	S3VEM
Sodium	Target	12000	J	mg/kg	12000		1	YES	S3VEM
Thallium	Target	6.3	UJ	mg/kg	6.3	U	1	YES	S3VEM
Vanadium	Target	110	J	mg/kg	110		1	YES	S3VEM
Zinc	Target	1000	J	mg/kg	1000		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG515** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED10A

Sample Number: BG585	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: SED10	pH:	Sample Date: 04/26/2021	Sample Time: 10:20:00
% Moisture:		% Solids: 42	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	1.2	UJ	mg/kg	1.2	U*	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG515** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED10A

Sample Number: BG585	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SED10	pH:	Sample Date: 04/26/2021	Sample Time: 10:20:00
% Moisture:		% Solids: 42	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	1.8	J	mg/kg	1.8		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG515** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED10A

Sample Number: BG585	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SED10	pH: 0	Sample Date: 04/26/2021	Sample Time: 10:20:00
% Moisture:		% Solids: 42	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	12000	J	mg/kg	12000		1	YES	S3VEM
Antimony	Target	2.0	J	mg/kg	2.0	J*	1	YES	S3VEM
Arsenic	Target	13	J	mg/kg	13		1	YES	S3VEM
Barium	Target	150	J	mg/kg	150		1	YES	S3VEM
Beryllium	Target	0.53	J	mg/kg	0.53	J	1	YES	S3VEM
Cadmium	Target	7.0	J	mg/kg	7.0		1	YES	S3VEM
Calcium	Target	25000	J	mg/kg	25000		1	YES	S3VEM
Chromium	Target	120	J	mg/kg	120		1	YES	S3VEM
Cobalt	Target	8.6	J	mg/kg	8.6	J	1	YES	S3VEM
Copper	Target	520	J	mg/kg	520		1	YES	S3VEM
Iron	Target	24000	J	mg/kg	24000		1	YES	S3VEM
Lead	Target	930	J	mg/kg	910		1	YES	S3VEM
Magnesium	Target	11000	J	mg/kg	11000		1	YES	S3VEM
Manganese	Target	220	J	mg/kg	220		1	YES	S3VEM
Nickel	Target	63	J	mg/kg	63		1	YES	S3VEM
Potassium	Target	2400	J	mg/kg	2400		1	YES	S3VEM
Selenium	Target	7.7	UJ	mg/kg	7.7	U	1	YES	S3VEM
Silver	Target	10	J	mg/kg	10		1	YES	S3VEM
Sodium	Target	11000	J	mg/kg	11000		1	YES	S3VEM
Thallium	Target	5.5	UJ	mg/kg	5.5	U	1	YES	S3VEM
Vanadium	Target	56	J	mg/kg	56		1	YES	S3VEM
Zinc	Target	1100	J	mg/kg	1100		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG515** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED10B

Sample Number: BG586	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: SED10	pH:	Sample Date: 04/26/2021	Sample Time: 10:30:00
% Moisture:		% Solids: 36	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	1.3	UJ	mg/kg	1.3	U*	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG515** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED10B

Sample Number: BG586	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SED10	pH:	Sample Date: 04/26/2021	Sample Time: 10:30:00
% Moisture:		% Solids: 36	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	4.0	J	mg/kg	4.0	D	2	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG515** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED10B

Sample Number: BG586	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SED10	pH: 0	Sample Date: 04/26/2021	Sample Time: 10:30:00
% Moisture:		% Solids: 36	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	13000	J	mg/kg	13000		1	YES	S3VEM
Antimony	Target	16	UJ	mg/kg	16	U*	1	YES	S3VEM
Arsenic	Target	12	J	mg/kg	12		1	YES	S3VEM
Barium	Target	240	J	mg/kg	240		1	YES	S3VEM
Beryllium	Target	0.55	J	mg/kg	0.55	J	1	YES	S3VEM
Cadmium	Target	11	J	mg/kg	11		1	YES	S3VEM
Calcium	Target	13000	J	mg/kg	13000		1	YES	S3VEM
Chromium	Target	160	J	mg/kg	160		1	YES	S3VEM
Cobalt	Target	10	J	mg/kg	10	J	1	YES	S3VEM
Copper	Target	800	J	mg/kg	800		1	YES	S3VEM
Iron	Target	31000	J	mg/kg	31000		1	YES	S3VEM
Lead	Target	1600	J	mg/kg	1600		1	YES	S3VEM
Magnesium	Target	9000	J	mg/kg	9000		1	YES	S3VEM
Manganese	Target	170	J	mg/kg	170		1	YES	S3VEM
Nickel	Target	87	J	mg/kg	87		1	YES	S3VEM
Potassium	Target	2500	J	mg/kg	2500		1	YES	S3VEM
Selenium	Target	1.4	J	mg/kg	1.4	J	1	YES	S3VEM
Silver	Target	8.1	J	mg/kg	8.1		1	YES	S3VEM
Sodium	Target	12000	J	mg/kg	12000		1	YES	S3VEM
Thallium	Target	6.6	UJ	mg/kg	6.6	U	1	YES	S3VEM
Vanadium	Target	73	J	mg/kg	73		1	YES	S3VEM
Zinc	Target	1600	J	mg/kg	1600		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG515** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED10C

Sample Number: BG587	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: SED10	pH:	Sample Date: 04/26/2021	Sample Time: 10:40:00
% Moisture:		% Solids: 70	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	0.67	U	mg/kg	0.67	U*	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG515** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED10C

Sample Number: BG587	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SED10	pH:	Sample Date: 04/26/2021	Sample Time: 10:40:00
% Moisture:		% Solids: 70	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.43		mg/kg	0.43		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG515** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED10C

Sample Number: BG587	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SED10	pH: 0	Sample Date: 04/26/2021	Sample Time: 10:40:00
% Moisture:		% Solids: 70	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	5300		mg/kg	5300		1	YES	S3VEM
Antimony	Target	8.1	U	mg/kg	8.1	U*	1	YES	S3VEM
Arsenic	Target	5.1		mg/kg	5.1		1	YES	S3VEM
Barium	Target	45		mg/kg	45		1	YES	S3VEM
Beryllium	Target	0.26	J	mg/kg	0.26	J	1	YES	S3VEM
Cadmium	Target	1.0		mg/kg	1.0		1	YES	S3VEM
Calcium	Target	1200		mg/kg	1200		1	YES	S3VEM
Chromium	Target	23		mg/kg	23		1	YES	S3VEM
Cobalt	Target	3.8	J	mg/kg	3.8	J	1	YES	S3VEM
Copper	Target	75		mg/kg	75		1	YES	S3VEM
Iron	Target	11000		mg/kg	11000		1	YES	S3VEM
Lead	Target	190		mg/kg	190		1	YES	S3VEM
Magnesium	Target	2200		mg/kg	2200		1	YES	S3VEM
Manganese	Target	93		mg/kg	93		1	YES	S3VEM
Nickel	Target	18		mg/kg	18		1	YES	S3VEM
Potassium	Target	1300		mg/kg	1300		1	YES	S3VEM
Selenium	Target	4.7	U	mg/kg	4.7	U	1	YES	S3VEM
Silver	Target	0.66	J	mg/kg	0.66	J	1	YES	S3VEM
Sodium	Target	3000		mg/kg	3000		1	YES	S3VEM
Thallium	Target	3.4	U	mg/kg	3.4	U	1	YES	S3VEM
Vanadium	Target	23		mg/kg	23		1	YES	S3VEM
Zinc	Target	200		mg/kg	200		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG515** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED11A

Sample Number: BG588	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: SED11/SW11	pH:	Sample Date: 04/26/2021	Sample Time: 11:10:00
% Moisture:		% Solids: 81	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	0.61	U	mg/kg	0.61	U*	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG515** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED11A

Sample Number: BG588	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SED11/SW11	pH:	Sample Date: 04/26/2021	Sample Time: 11:10:00
% Moisture:		% Solids: 81	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.062	J	mg/kg	0.062	J	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG515** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED11A

Sample Number: BG588	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SED11/SW11	pH: 0	Sample Date: 04/26/2021	Sample Time: 11:10:00
% Moisture:		% Solids: 81	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	1800		mg/kg	1800		1	YES	S3VEM
Antimony	Target	7.1	U	mg/kg	7.1	U*	1	YES	S3VEM
Arsenic	Target	1.9		mg/kg	1.9		1	YES	S3VEM
Barium	Target	24	U	mg/kg	21	J	1	YES	S3VEM
Beryllium	Target	0.089	J	mg/kg	0.089	J	1	YES	S3VEM
Cadmium	Target	0.42	J	mg/kg	0.42	J	1	YES	S3VEM
Calcium	Target	1300		mg/kg	1300		1	YES	S3VEM
Chromium	Target	7.3		mg/kg	7.3		1	YES	S3VEM
Cobalt	Target	1.9	J	mg/kg	1.9	J	1	YES	S3VEM
Copper	Target	38		mg/kg	38		1	YES	S3VEM
Iron	Target	6400		mg/kg	6400		1	YES	S3VEM
Lead	Target	83		mg/kg	83		1	YES	S3VEM
Magnesium	Target	1000		mg/kg	1000		1	YES	S3VEM
Manganese	Target	88		mg/kg	88		1	YES	S3VEM
Nickel	Target	9.8		mg/kg	9.8		1	YES	S3VEM
Potassium	Target	430	J	mg/kg	430	J	1	YES	S3VEM
Selenium	Target	4.1	U	mg/kg	4.1	U	1	YES	S3VEM
Silver	Target	0.54	J	mg/kg	0.54	J	1	YES	S3VEM
Sodium	Target	840		mg/kg	840		1	YES	S3VEM
Thallium	Target	2.9	U	mg/kg	2.9	U	1	YES	S3VEM
Vanadium	Target	6.9		mg/kg	6.9		1	YES	S3VEM
Zinc	Target	93		mg/kg	93		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG515** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED11B

Sample Number: BG589	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: SED11/SW11	pH:	Sample Date: 04/26/2021	Sample Time: 11:20:00
% Moisture:		% Solids: 69	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	0.66	U	mg/kg	0.66	U*	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG515** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED11B

Sample Number: BG589	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SED11/SW11	pH:	Sample Date: 04/26/2021	Sample Time: 11:20:00
% Moisture:		% Solids: 69	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.53		mg/kg	0.53		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG515** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED11B

Sample Number: BG589	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SED11/SW11	pH: 0	Sample Date: 04/26/2021	Sample Time: 11:20:00
% Moisture:		% Solids: 69	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	3100		mg/kg	3100		1	YES	S3VEM
Antimony	Target	8.6	U	mg/kg	8.6	U*	1	YES	S3VEM
Arsenic	Target	3.0		mg/kg	3.0		1	YES	S3VEM
Barium	Target	54		mg/kg	54		1	YES	S3VEM
Beryllium	Target	0.15	J	mg/kg	0.15	J	1	YES	S3VEM
Cadmium	Target	1.5		mg/kg	1.5		1	YES	S3VEM
Calcium	Target	1300		mg/kg	1300		1	YES	S3VEM
Chromium	Target	16		mg/kg	16		1	YES	S3VEM
Cobalt	Target	3.7	J	mg/kg	3.7	J	1	YES	S3VEM
Copper	Target	93		mg/kg	93		1	YES	S3VEM
Iron	Target	7900		mg/kg	7900		1	YES	S3VEM
Lead	Target	210		mg/kg	210		1	YES	S3VEM
Magnesium	Target	1500		mg/kg	1500		1	YES	S3VEM
Manganese	Target	190		mg/kg	190		1	YES	S3VEM
Nickel	Target	19		mg/kg	19		1	YES	S3VEM
Potassium	Target	650	J	mg/kg	650	J	1	YES	S3VEM
Selenium	Target	5.0	U	mg/kg	5.0	U	1	YES	S3VEM
Silver	Target	0.67	J	mg/kg	0.67	J	1	YES	S3VEM
Sodium	Target	1100		mg/kg	1100		1	YES	S3VEM
Thallium	Target	3.6	U	mg/kg	3.6	U	1	YES	S3VEM
Vanadium	Target	25		mg/kg	25		1	YES	S3VEM
Zinc	Target	280		mg/kg	280		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG515** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED11C

Sample Number: BG590	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: SED11/SW11	pH:	Sample Date: 04/26/2021	Sample Time: 11:30:00
% Moisture:		% Solids: 61	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	0.80	U	mg/kg	0.80	U*	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG515** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED11C

Sample Number: BG590	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SED11/SW11	pH:	Sample Date: 04/26/2021	Sample Time: 11:30:00
% Moisture:		% Solids: 61	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	1.2		mg/kg	1.2		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG515** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED11C

Sample Number: BG590	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SED11/SW11	pH: 0	Sample Date: 04/26/2021	Sample Time: 11:30:00
% Moisture:		% Solids: 61	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	4000		mg/kg	4000		1	YES	S3VEM
Antimony	Target	1.7	J	mg/kg	1.7	J*	1	YES	S3VEM
Arsenic	Target	6.3		mg/kg	6.3		1	YES	S3VEM
Barium	Target	200		mg/kg	200		1	YES	S3VEM
Beryllium	Target	0.22	J	mg/kg	0.22	J	1	YES	S3VEM
Cadmium	Target	5.1		mg/kg	5.1		1	YES	S3VEM
Calcium	Target	2900		mg/kg	2900		1	YES	S3VEM
Chromium	Target	34		mg/kg	34		1	YES	S3VEM
Cobalt	Target	4.4	J	mg/kg	4.4	J	1	YES	S3VEM
Copper	Target	320		mg/kg	320		1	YES	S3VEM
Iron	Target	13000		mg/kg	13000		1	YES	S3VEM
Lead	Target	600		mg/kg	600		1	YES	S3VEM
Magnesium	Target	2200		mg/kg	2200		1	YES	S3VEM
Manganese	Target	120		mg/kg	120		1	YES	S3VEM
Nickel	Target	30		mg/kg	30		1	YES	S3VEM
Potassium	Target	720	J	mg/kg	720	J	1	YES	S3VEM
Selenium	Target	1.4	J	mg/kg	1.4	J	1	YES	S3VEM
Silver	Target	3.6		mg/kg	3.6		1	YES	S3VEM
Sodium	Target	1300		mg/kg	1300		1	YES	S3VEM
Thallium	Target	4.0	U	mg/kg	4.0	U	1	YES	S3VEM
Vanadium	Target	48		mg/kg	48		1	YES	S3VEM
Zinc	Target	850		mg/kg	850		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG515** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED12A

Sample Number: BG591	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: SED12	pH:	Sample Date: 04/26/2021	Sample Time: 12:15:00
% Moisture:		% Solids: 78	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	0.63	U	mg/kg	0.63	U*	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG515** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED12A

Sample Number: BG591	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SED12	pH:	Sample Date: 04/26/2021	Sample Time: 12:15:00
% Moisture:		% Solids: 78	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.31		mg/kg	0.31		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG515** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED12A

Sample Number: BG591	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SED12	pH: 0	Sample Date: 04/26/2021	Sample Time: 12:15:00
% Moisture:		% Solids: 78	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	3700		mg/kg	3700		1	YES	S3VEM
Antimony	Target	7.5	U	mg/kg	7.5	U*	1	YES	S3VEM
Arsenic	Target	3.2		mg/kg	3.2		1	YES	S3VEM
Barium	Target	71		mg/kg	71		1	YES	S3VEM
Beryllium	Target	0.31	J	mg/kg	0.31	J	1	YES	S3VEM
Cadmium	Target	1.2		mg/kg	1.2		1	YES	S3VEM
Calcium	Target	8700		mg/kg	8700		1	YES	S3VEM
Chromium	Target	14		mg/kg	14		1	YES	S3VEM
Cobalt	Target	5.2	J	mg/kg	5.2	J	1	YES	S3VEM
Copper	Target	86		mg/kg	86		1	YES	S3VEM
Iron	Target	7400		mg/kg	7400		1	YES	S3VEM
Lead	Target	310		mg/kg	310		1	YES	S3VEM
Magnesium	Target	5600		mg/kg	5600		1	YES	S3VEM
Manganese	Target	90		mg/kg	90		1	YES	S3VEM
Nickel	Target	26		mg/kg	26		1	YES	S3VEM
Potassium	Target	680		mg/kg	680		1	YES	S3VEM
Selenium	Target	4.4	U	mg/kg	4.4	U	1	YES	S3VEM
Silver	Target	0.63	J	mg/kg	0.63	J	1	YES	S3VEM
Sodium	Target	2100		mg/kg	2100		1	YES	S3VEM
Thallium	Target	3.1	U	mg/kg	3.1	U	1	YES	S3VEM
Vanadium	Target	12		mg/kg	12		1	YES	S3VEM
Zinc	Target	450		mg/kg	450		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG515** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED12B

Sample Number: BG592	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: SED12	pH:	Sample Date: 04/26/2021	Sample Time: 12:25:00
% Moisture:		% Solids: 74	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	0.65	U	mg/kg	0.65	U*	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG515** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED12B

Sample Number: BG592	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SED12	pH:	Sample Date: 04/26/2021	Sample Time: 12:25:00
% Moisture:		% Solids: 74	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.98		mg/kg	0.98		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG515** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED12B

Sample Number: BG592	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SED12	pH: 0	Sample Date: 04/26/2021	Sample Time: 12:25:00
% Moisture:		% Solids: 74	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	5700		mg/kg	5700		1	YES	S3VEM
Antimony	Target	7.9	U	mg/kg	7.9	U*	1	YES	S3VEM
Arsenic	Target	4.2		mg/kg	4.2		1	YES	S3VEM
Barium	Target	190		mg/kg	190		1	YES	S3VEM
Beryllium	Target	0.17	J	mg/kg	0.17	J	1	YES	S3VEM
Cadmium	Target	2.0		mg/kg	2.0		1	YES	S3VEM
Calcium	Target	3300		mg/kg	3300		1	YES	S3VEM
Chromium	Target	20		mg/kg	20		1	YES	S3VEM
Cobalt	Target	4.1	J	mg/kg	4.1	J	1	YES	S3VEM
Copper	Target	180		mg/kg	180		1	YES	S3VEM
Iron	Target	9100		mg/kg	9100		1	YES	S3VEM
Lead	Target	560		mg/kg	560		1	YES	S3VEM
Magnesium	Target	2100		mg/kg	2100		1	YES	S3VEM
Manganese	Target	93		mg/kg	93		1	YES	S3VEM
Nickel	Target	26		mg/kg	26		1	YES	S3VEM
Potassium	Target	570	J	mg/kg	570	J	1	YES	S3VEM
Selenium	Target	4.6	U	mg/kg	4.6	U	1	YES	S3VEM
Silver	Target	1.6		mg/kg	1.6		1	YES	S3VEM
Sodium	Target	2500		mg/kg	2500		1	YES	S3VEM
Thallium	Target	3.3	U	mg/kg	3.3	U	1	YES	S3VEM
Vanadium	Target	15		mg/kg	15		1	YES	S3VEM
Zinc	Target	560		mg/kg	560		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG515** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED13A

Sample Number: BG594	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: SED13/SW13	pH:	Sample Date: 04/26/2021	Sample Time: 13:00:00
% Moisture:		% Solids: 48	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	0.99	UJ	mg/kg	0.99	U*	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG515** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED13A

Sample Number: BG594	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SED13/SW13	pH:	Sample Date: 04/26/2021	Sample Time: 13:00:00
% Moisture:		% Solids: 48	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	3.1	J	mg/kg	3.1	D	2	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG515** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED13A

Sample Number: BG594	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SED13/SW13	pH: 0	Sample Date: 04/26/2021	Sample Time: 13:00:00
% Moisture:		% Solids: 48	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	8200	J	mg/kg	8200		1	YES	S3VEM
Antimony	Target	2.0	J	mg/kg	2.0	J*	1	YES	S3VEM
Arsenic	Target	15	J	mg/kg	15		1	YES	S3VEM
Barium	Target	390	J	mg/kg	390		1	YES	S3VEM
Beryllium	Target	0.45	J	mg/kg	0.45	J	1	YES	S3VEM
Cadmium	Target	7.9	J	mg/kg	7.9		1	YES	S3VEM
Calcium	Target	5800	J	mg/kg	5800		1	YES	S3VEM
Chromium	Target	81	J	mg/kg	81		1	YES	S3VEM
Cobalt	Target	7.9	J	mg/kg	7.9	J	1	YES	S3VEM
Copper	Target	640	J	mg/kg	640		1	YES	S3VEM
Iron	Target	26000	J	mg/kg	26000		1	YES	S3VEM
Lead	Target	1100	J	mg/kg	1100		1	YES	S3VEM
Magnesium	Target	4000	J	mg/kg	4000		1	YES	S3VEM
Manganese	Target	120	J	mg/kg	120		1	YES	S3VEM
Nickel	Target	56	J	mg/kg	56		1	YES	S3VEM
Potassium	Target	1300	J	mg/kg	1300		1	YES	S3VEM
Selenium	Target	2.6	J	mg/kg	2.6	J	1	YES	S3VEM
Silver	Target	9.1	J	mg/kg	9.1		1	YES	S3VEM
Sodium	Target	3300	J	mg/kg	3300		1	YES	S3VEM
Thallium	Target	4.9	UJ	mg/kg	4.9	U	1	YES	S3VEM
Vanadium	Target	71	J	mg/kg	71		1	YES	S3VEM
Zinc	Target	1600	J	mg/kg	1600		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG515** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED13B

Sample Number: BG595	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: SED13/SW13	pH:	Sample Date: 04/26/2021	Sample Time: 13:10:00
% Moisture:		% Solids: 49	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	2.6	J	mg/kg	2.6	*	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG515** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED13B

Sample Number: BG595	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SED13/SW13	pH:	Sample Date: 04/26/2021	Sample Time: 13:10:00
% Moisture:		% Solids: 49	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	4.6	J	mg/kg	4.6	D	5	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG515** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED13B

Sample Number: BG595	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SED13/SW13	pH: 0	Sample Date: 04/26/2021	Sample Time: 13:10:00
% Moisture:		% Solids: 49	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	8700	J	mg/kg	8700		1	YES	S3VEM
Antimony	Target	11	UJ	mg/kg	11	U*	1	YES	S3VEM
Arsenic	Target	17	J	mg/kg	17		1	YES	S3VEM
Barium	Target	610	J	mg/kg	610		1	YES	S3VEM
Beryllium	Target	0.50	J	mg/kg	0.50	J	1	YES	S3VEM
Cadmium	Target	5.2	J	mg/kg	5.2		1	YES	S3VEM
Calcium	Target	5800	J	mg/kg	5800		1	YES	S3VEM
Chromium	Target	39	J	mg/kg	39		1	YES	S3VEM
Cobalt	Target	7.6	J	mg/kg	7.6	J	1	YES	S3VEM
Copper	Target	350	J	mg/kg	350		1	YES	S3VEM
Iron	Target	22000	J	mg/kg	22000		1	YES	S3VEM
Lead	Target	1400	J	mg/kg	1400		1	YES	S3VEM
Magnesium	Target	3900	J	mg/kg	3900		1	YES	S3VEM
Manganese	Target	120	J	mg/kg	120		1	YES	S3VEM
Nickel	Target	48	J	mg/kg	48		1	YES	S3VEM
Potassium	Target	1300	J	mg/kg	1300		1	YES	S3VEM
Selenium	Target	2.7	J	mg/kg	2.7	J	1	YES	S3VEM
Silver	Target	7.8	J	mg/kg	7.8		1	YES	S3VEM
Sodium	Target	1200	J	mg/kg	1200		1	YES	S3VEM
Thallium	Target	4.7	UJ	mg/kg	4.7	U	1	YES	S3VEM
Vanadium	Target	34	J	mg/kg	34		1	YES	S3VEM
Zinc	Target	1900	J	mg/kg	1900		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG515** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED13C

Sample Number: BG596	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: SED13/SW13	pH:	Sample Date: 04/26/2021	Sample Time: 13:20:00
% Moisture:		% Solids: 52	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	2.7		mg/kg	2.7	*	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG515** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED13C

Sample Number: BG596	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SED13/SW13	pH:	Sample Date: 04/26/2021	Sample Time: 13:20:00
% Moisture:		% Solids: 52	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	4.1		mg/kg	4.1	D	5	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG515** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED13C

Sample Number: BG596	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SED13/SW13	pH: 0	Sample Date: 04/26/2021	Sample Time: 13:20:00
% Moisture:		% Solids: 52	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	11000		mg/kg	11000		1	YES	S3VEM
Antimony	Target	11	U	mg/kg	11	U*	1	YES	S3VEM
Arsenic	Target	19		mg/kg	19		1	YES	S3VEM
Barium	Target	510		mg/kg	510		1	YES	S3VEM
Beryllium	Target	0.60	J	mg/kg	0.60	J	1	YES	S3VEM
Cadmium	Target	4.2		mg/kg	4.2		1	YES	S3VEM
Calcium	Target	5800		mg/kg	5800		1	YES	S3VEM
Chromium	Target	44		mg/kg	44		1	YES	S3VEM
Cobalt	Target	8.1	J	mg/kg	8.1	J	1	YES	S3VEM
Copper	Target	290		mg/kg	290		1	YES	S3VEM
Iron	Target	24000		mg/kg	24000		1	YES	S3VEM
Lead	Target	750		mg/kg	750		1	YES	S3VEM
Magnesium	Target	4700		mg/kg	4700		1	YES	S3VEM
Manganese	Target	150		mg/kg	150		1	YES	S3VEM
Nickel	Target	49		mg/kg	49		1	YES	S3VEM
Potassium	Target	1800		mg/kg	1800		1	YES	S3VEM
Selenium	Target	2.6	J	mg/kg	2.6	J	1	YES	S3VEM
Silver	Target	7.8		mg/kg	7.8		1	YES	S3VEM
Sodium	Target	1000		mg/kg	1000		1	YES	S3VEM
Thallium	Target	4.6	U	mg/kg	4.6	U	1	YES	S3VEM
Vanadium	Target	34		mg/kg	34		1	YES	S3VEM
Zinc	Target	1900		mg/kg	1900		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG515** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: LCS01	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Spike	37		mg/kg	37		1	YES	S3VEM
Antimony	Spike	11		mg/kg	11		1	YES	S3VEM
Arsenic	Spike	1.7		mg/kg	1.7		1	YES	S3VEM
Barium	Spike	39	J+	mg/kg	39		1	YES	S3VEM
Beryllium	Spike	0.95		mg/kg	0.95		1	YES	S3VEM
Cadmium	Spike	0.97		mg/kg	0.97		1	YES	S3VEM
Calcium	Spike	960		mg/kg	960		1	YES	S3VEM
Chromium	Spike	2.1		mg/kg	2.1		1	YES	S3VEM
Cobalt	Spike	10		mg/kg	10		1	YES	S3VEM
Copper	Spike	4.6		mg/kg	4.6		1	YES	S3VEM
Iron	Spike	19	J+	mg/kg	19		1	YES	S3VEM
Lead	Spike	2.0		mg/kg	2.0		1	YES	S3VEM
Magnesium	Spike	890		mg/kg	890		1	YES	S3VEM
Manganese	Spike	2.9	J+	mg/kg	2.9		1	YES	S3VEM
Nickel	Spike	7.9		mg/kg	7.9		1	YES	S3VEM
Potassium	Spike	900		mg/kg	900		1	YES	S3VEM
Selenium	Spike	6.4		mg/kg	6.4		1	YES	S3VEM
Silver	Spike	1.8		mg/kg	1.8		1	YES	S3VEM
Sodium	Spike	890	J-	mg/kg	890		1	YES	S3VEM
Thallium	Spike	4.4		mg/kg	4.4		1	YES	S3VEM
Vanadium	Spike	9.6		mg/kg	9.6		1	YES	S3VEM
Zinc	Spike	11		mg/kg	11		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG515** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: PBS01	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	0.50	U	mg/kg	0.50	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG515** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: PBS01	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.10	U	mg/kg	0.10	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG515** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: PBS01	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	20	U	mg/kg	20	U	1	YES	S3VEM
Antimony	Target	6.0	U	mg/kg	6.0	U	1	YES	S3VEM
Arsenic	Target	1.0	U	mg/kg	1.0	U	1	YES	S3VEM
Barium	Target	20	U	mg/kg	20	U	1	YES	S3VEM
Beryllium	Target	0.50	U	mg/kg	0.50	U	1	YES	S3VEM
Cadmium	Target	0.50	U	mg/kg	0.50	U	1	YES	S3VEM
Calcium	Target	500	U	mg/kg	500	U	1	YES	S3VEM
Chromium	Target	1.0	U	mg/kg	1.0	U	1	YES	S3VEM
Cobalt	Target	5.0	U	mg/kg	5.0	U	1	YES	S3VEM
Copper	Target	2.5	U	mg/kg	2.5	U	1	YES	S3VEM
Iron	Target	10	U	mg/kg	10	U	1	YES	S3VEM
Lead	Target	1.0	U	mg/kg	1.0	U	1	YES	S3VEM
Magnesium	Target	500	U	mg/kg	500	U	1	YES	S3VEM
Manganese	Target	1.5	U	mg/kg	1.5	U	1	YES	S3VEM
Nickel	Target	4.0	U	mg/kg	4.0	U	1	YES	S3VEM
Potassium	Target	500	U	mg/kg	500	U	1	YES	S3VEM
Selenium	Target	3.5	U	mg/kg	3.5	U	1	YES	S3VEM
Silver	Target	1.0	U	mg/kg	1.0	U	1	YES	S3VEM
Sodium	Target	-8.5	J-	mg/kg	-8.5	J	1	YES	S3VEM
Thallium	Target	2.5	U	mg/kg	2.5	U	1	YES	S3VEM
Vanadium	Target	5.0	U	mg/kg	5.0	U	1	YES	S3VEM
Zinc	Target	6.0	U	mg/kg	6.0	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG515** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: PBS02	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	0.50	U	mg/kg	0.50	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG515** **Lab Name: Bonner Analytical Testing Co.**

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG576D	Sediment	04/26/2021	1	7429-90-5	Aluminum	19000			57	mg/kg	6100-SED07A
BG576D	Sediment	04/26/2021	1	7440-36-0	Antimony	17	U	U	17	mg/kg	6100-SED07A
BG576D	Sediment	04/26/2021	1	7440-38-2	Arsenic	13			2.9	mg/kg	6100-SED07A
BG576D	Sediment	04/26/2021	1	7440-39-3	Barium	140		J+	57	mg/kg	6100-SED07A
BG576D	Sediment	04/26/2021	1	7440-41-7	Beryllium	0.96	J	J	1.4	mg/kg	6100-SED07A
BG576D	Sediment	04/26/2021	1	7440-43-9	Cadmium	4.5			1.4	mg/kg	6100-SED07A
BG576D	Sediment	04/26/2021	1	7440-70-2	Calcium	8000			1400	mg/kg	6100-SED07A
BG576D	Sediment	04/26/2021	1	7440-47-3	Chromium	120			2.9	mg/kg	6100-SED07A
BG576D	Sediment	04/26/2021	1	7440-48-4	Cobalt	12	J	J	14	mg/kg	6100-SED07A
BG576D	Sediment	04/26/2021	1	7440-50-8	Copper	320			7.1	mg/kg	6100-SED07A
BG576D	Sediment	04/26/2021	1	7439-89-6	Iron	34000		J+	29	mg/kg	6100-SED07A
BG576D	Sediment	04/26/2021	1	7439-92-1	Lead	480			2.9	mg/kg	6100-SED07A
BG576D	Sediment	04/26/2021	1	7439-95-4	Magnesium	10000			1400	mg/kg	6100-SED07A
BG576D	Sediment	04/26/2021	1	7439-96-5	Manganese	320		J+	4.3	mg/kg	6100-SED07A
BG576D	Sediment	04/26/2021	1	7440-02-0	Nickel	54			11	mg/kg	6100-SED07A
BG576D	Sediment	04/26/2021	1	7440-09-7	Potassium	4900			1400	mg/kg	6100-SED07A
BG576D	Sediment	04/26/2021	1	7782-49-2	Selenium	10	U	U	10	mg/kg	6100-SED07A
BG576D	Sediment	04/26/2021	1	7440-22-4	Silver	5.6			2.9	mg/kg	6100-SED07A
BG576D	Sediment	04/26/2021	1	7440-23-5	Sodium	17000		J-	1400	mg/kg	6100-SED07A
BG576D	Sediment	04/26/2021	1	7440-28-0	Thallium	7.1	U	U	7.1	mg/kg	6100-SED07A
BG576D	Sediment	04/26/2021	1	7440-62-2	Vanadium	65			14	mg/kg	6100-SED07A
BG576D	Sediment	04/26/2021	1	7440-66-6	Zinc	690			17	mg/kg	6100-SED07A
BG515	Sediment	04/26/2021	1	7429-90-5	Aluminum	14000		J	48	mg/kg	6100-SED26C
BG515	Sediment	04/26/2021	1	7440-36-0	Antimony	14	U*	UJ	14	mg/kg	6100-SED26C
BG515	Sediment	04/26/2021	1	7440-38-2	Arsenic	18		J	2.4	mg/kg	6100-SED26C
BG515	Sediment	04/26/2021	1	7440-39-3	Barium	230		J	48	mg/kg	6100-SED26C
BG515	Sediment	04/26/2021	1	7440-41-7	Beryllium	0.69	J	J	1.2	mg/kg	6100-SED26C
BG515	Sediment	04/26/2021	1	7440-43-9	Cadmium	11		J	1.2	mg/kg	6100-SED26C
BG515	Sediment	04/26/2021	1	7440-70-2	Calcium	6800		J	1200	mg/kg	6100-SED26C
BG515	Sediment	04/26/2021	1	7440-47-3	Chromium	200		J	2.4	mg/kg	6100-SED26C
BG515	Sediment	04/26/2021	1	7440-48-4	Cobalt	9.6	J	J	12	mg/kg	6100-SED26C
BG515	Sediment	04/26/2021	1	7440-50-8	Copper	560		J	6.0	mg/kg	6100-SED26C
BG515	Sediment	04/26/2021	1	7439-89-6	Iron	27000		J	24	mg/kg	6100-SED26C
BG515	Sediment	04/26/2021	1	7439-92-1	Lead	890		J	2.4	mg/kg	6100-SED26C
BG515	Sediment	04/26/2021	1	7439-95-4	Magnesium	6700		J	1200	mg/kg	6100-SED26C
BG515	Sediment	04/26/2021	1	7439-96-5	Manganese	210		J	3.6	mg/kg	6100-SED26C
BG515	Sediment	04/26/2021	1	7440-02-0	Nickel	66		J	9.6	mg/kg	6100-SED26C
BG515	Sediment	04/26/2021	1	7440-09-7	Potassium	3200		J	1200	mg/kg	6100-SED26C
BG515	Sediment	04/26/2021	1	7782-49-2	Selenium	1.5	J	J	8.4	mg/kg	6100-SED26C
BG515	Sediment	04/26/2021	1	7440-22-4	Silver	8.4		J	2.4	mg/kg	6100-SED26C
BG515	Sediment	04/26/2021	1	7440-23-5	Sodium	11000		J	1200	mg/kg	6100-SED26C
BG515	Sediment	04/26/2021	1	7440-28-0	Thallium	6.0	U	UJ	6.0	mg/kg	6100-SED26C
BG515	Sediment	04/26/2021	1	7440-62-2	Vanadium	100		J	12	mg/kg	6100-SED26C
BG515	Sediment	04/26/2021	1	7440-66-6	Zinc	1000		J	14	mg/kg	6100-SED26C
BG576	Sediment	04/26/2021	1	7429-90-5	Aluminum	19000		J	57	mg/kg	6100-SED07A
BG576	Sediment	04/26/2021	1	7440-36-0	Antimony	17	U*	UJ	17	mg/kg	6100-SED07A
BG576	Sediment	04/26/2021	1	7440-38-2	Arsenic	12		J	2.9	mg/kg	6100-SED07A
BG576	Sediment	04/26/2021	1	7440-39-3	Barium	130		J	57	mg/kg	6100-SED07A
BG576	Sediment	04/26/2021	1	7440-41-7	Beryllium	0.93	J	J	1.4	mg/kg	6100-SED07A
BG576	Sediment	04/26/2021	1	7440-43-9	Cadmium	4.3		J	1.4	mg/kg	6100-SED07A
BG576	Sediment	04/26/2021	1	7440-70-2	Calcium	7800		J	1400	mg/kg	6100-SED07A
BG576	Sediment	04/26/2021	1	7440-47-3	Chromium	110		J	2.9	mg/kg	6100-SED07A
BG576	Sediment	04/26/2021	1	7440-48-4	Cobalt	12	J	J	14	mg/kg	6100-SED07A
BG576	Sediment	04/26/2021	1	7440-50-8	Copper	310		J	7.1	mg/kg	6100-SED07A
BG576	Sediment	04/26/2021	1	7439-89-6	Iron	33000		J	29	mg/kg	6100-SED07A
BG576	Sediment	04/26/2021	1	7439-92-1	Lead	450		J	2.9	mg/kg	6100-SED07A
BG576	Sediment	04/26/2021	1	7439-95-4	Magnesium	9900		J	1400	mg/kg	6100-SED07A
BG576	Sediment	04/26/2021	1	7439-96-5	Manganese	310		J	4.3	mg/kg	6100-SED07A
BG576	Sediment	04/26/2021	1	7440-02-0	Nickel	52		J	11	mg/kg	6100-SED07A
BG576	Sediment	04/26/2021	1	7440-09-7	Potassium	4700		J	1400	mg/kg	6100-SED07A
BG576	Sediment	04/26/2021	1	7782-49-2	Selenium	10	U	UJ	10	mg/kg	6100-SED07A
BG576	Sediment	04/26/2021	1	7440-22-4	Silver	5.0		J	2.9	mg/kg	6100-SED07A
BG576	Sediment	04/26/2021	1	7440-23-5	Sodium	16000		J	1400	mg/kg	6100-SED07A
BG576	Sediment	04/26/2021	1	7440-28-0	Thallium	7.1	U	UJ	7.1	mg/kg	6100-SED07A
BG576	Sediment	04/26/2021	1	7440-62-2	Vanadium	63		J	14	mg/kg	6100-SED07A
BG576	Sediment	04/26/2021	1	7440-66-6	Zinc	670		J	17	mg/kg	6100-SED07A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG577	Sediment	04/26/2021	1	7429-90-5	Aluminum	17000		J	55	mg/kg	6100-SED07B
BG577	Sediment	04/26/2021	1	7440-36-0	Antimony	16	U*	UJ	16	mg/kg	6100-SED07B
BG577	Sediment	04/26/2021	1	7440-38-2	Arsenic	17		J	2.7	mg/kg	6100-SED07B
BG577	Sediment	04/26/2021	1	7440-39-3	Barium	210		J	55	mg/kg	6100-SED07B
BG577	Sediment	04/26/2021	1	7440-41-7	Beryllium	0.82	J	J	1.4	mg/kg	6100-SED07B
BG577	Sediment	04/26/2021	1	7440-43-9	Cadmium	11		J	1.4	mg/kg	6100-SED07B
BG577	Sediment	04/26/2021	1	7440-70-2	Calcium	8500		J	1400	mg/kg	6100-SED07B
BG577	Sediment	04/26/2021	1	7440-47-3	Chromium	240		J	2.7	mg/kg	6100-SED07B
BG577	Sediment	04/26/2021	1	7440-48-4	Cobalt	11	J	J	14	mg/kg	6100-SED07B
BG577	Sediment	04/26/2021	1	7440-50-8	Copper	630		J	6.9	mg/kg	6100-SED07B
BG577	Sediment	04/26/2021	1	7439-89-6	Iron	32000		J	27	mg/kg	6100-SED07B
BG577	Sediment	04/26/2021	1	7439-92-1	Lead	1100		J	2.7	mg/kg	6100-SED07B
BG577	Sediment	04/26/2021	1	7439-95-4	Magnesium	8300		J	1400	mg/kg	6100-SED07B
BG577	Sediment	04/26/2021	1	7439-96-5	Manganese	270		J	4.1	mg/kg	6100-SED07B
BG577	Sediment	04/26/2021	1	7440-02-0	Nickel	72		J	11	mg/kg	6100-SED07B
BG577	Sediment	04/26/2021	1	7440-09-7	Potassium	4000		J	1400	mg/kg	6100-SED07B
BG577	Sediment	04/26/2021	1	7782-49-2	Selenium	9.6	U	UJ	9.6	mg/kg	6100-SED07B
BG577	Sediment	04/26/2021	1	7440-22-4	Silver	9.3		J	2.7	mg/kg	6100-SED07B
BG577	Sediment	04/26/2021	1	7440-23-5	Sodium	15000		J	1400	mg/kg	6100-SED07B
BG577	Sediment	04/26/2021	1	7440-28-0	Thallium	6.9	U	UJ	6.9	mg/kg	6100-SED07B
BG577	Sediment	04/26/2021	1	7440-62-2	Vanadium	92		J	14	mg/kg	6100-SED07B
BG577	Sediment	04/26/2021	1	7440-66-6	Zinc	1000		J	16	mg/kg	6100-SED07B
BG578	Sediment	04/26/2021	1	7429-90-5	Aluminum	14000		J	50	mg/kg	6100-SED07C
BG578	Sediment	04/26/2021	1	7440-36-0	Antimony	15	U*	UJ	15	mg/kg	6100-SED07C
BG578	Sediment	04/26/2021	1	7440-38-2	Arsenic	18		J	2.5	mg/kg	6100-SED07C
BG578	Sediment	04/26/2021	1	7440-39-3	Barium	230		J	50	mg/kg	6100-SED07C
BG578	Sediment	04/26/2021	1	7440-41-7	Beryllium	0.70	J	J	1.3	mg/kg	6100-SED07C
BG578	Sediment	04/26/2021	1	7440-43-9	Cadmium	11		J	1.3	mg/kg	6100-SED07C
BG578	Sediment	04/26/2021	1	7440-70-2	Calcium	7600		J	1300	mg/kg	6100-SED07C
BG578	Sediment	04/26/2021	1	7440-47-3	Chromium	210		J	2.5	mg/kg	6100-SED07C
BG578	Sediment	04/26/2021	1	7440-48-4	Cobalt	9.7	J	J	13	mg/kg	6100-SED07C
BG578	Sediment	04/26/2021	1	7440-50-8	Copper	580		J	6.3	mg/kg	6100-SED07C
BG578	Sediment	04/26/2021	1	7439-89-6	Iron	28000		J	25	mg/kg	6100-SED07C
BG578	Sediment	04/26/2021	1	7439-92-1	Lead	940		J	2.5	mg/kg	6100-SED07C
BG578	Sediment	04/26/2021	1	7439-95-4	Magnesium	6800		J	1300	mg/kg	6100-SED07C
BG578	Sediment	04/26/2021	1	7439-96-5	Manganese	210		J	3.8	mg/kg	6100-SED07C
BG578	Sediment	04/26/2021	1	7440-02-0	Nickel	70		J	10	mg/kg	6100-SED07C
BG578	Sediment	04/26/2021	1	7440-09-7	Potassium	3200		J	1300	mg/kg	6100-SED07C
BG578	Sediment	04/26/2021	1	7782-49-2	Selenium	1.5	J	J	8.8	mg/kg	6100-SED07C
BG578	Sediment	04/26/2021	1	7440-22-4	Silver	8.2		J	2.5	mg/kg	6100-SED07C
BG578	Sediment	04/26/2021	1	7440-23-5	Sodium	12000		J	1300	mg/kg	6100-SED07C
BG578	Sediment	04/26/2021	1	7440-28-0	Thallium	6.3	U	UJ	6.3	mg/kg	6100-SED07C
BG578	Sediment	04/26/2021	1	7440-62-2	Vanadium	110		J	13	mg/kg	6100-SED07C
BG578	Sediment	04/26/2021	1	7440-66-6	Zinc	1000		J	15	mg/kg	6100-SED07C
BG585	Sediment	04/26/2021	1	7429-90-5	Aluminum	12000		J	44	mg/kg	6100-SED10A
BG585	Sediment	04/26/2021	1	7440-36-0	Antimony	2.0	J*	J	13	mg/kg	6100-SED10A
BG585	Sediment	04/26/2021	1	7440-38-2	Arsenic	13		J	2.2	mg/kg	6100-SED10A
BG585	Sediment	04/26/2021	1	7440-39-3	Barium	150		J	44	mg/kg	6100-SED10A
BG585	Sediment	04/26/2021	1	7440-41-7	Beryllium	0.53	J	J	1.1	mg/kg	6100-SED10A
BG585	Sediment	04/26/2021	1	7440-43-9	Cadmium	7.0		J	1.1	mg/kg	6100-SED10A
BG585	Sediment	04/26/2021	1	7440-70-2	Calcium	25000		J	1100	mg/kg	6100-SED10A
BG585	Sediment	04/26/2021	1	7440-47-3	Chromium	120		J	2.2	mg/kg	6100-SED10A
BG585	Sediment	04/26/2021	1	7440-48-4	Cobalt	8.6	J	J	11	mg/kg	6100-SED10A
BG585	Sediment	04/26/2021	1	7440-50-8	Copper	520		J	5.5	mg/kg	6100-SED10A
BG585	Sediment	04/26/2021	1	7439-89-6	Iron	24000		J	22	mg/kg	6100-SED10A
BG585	Sediment	04/26/2021	1	7439-92-1	Lead	930		J	2.2	mg/kg	6100-SED10A
BG585	Sediment	04/26/2021	1	7439-95-4	Magnesium	11000		J	1100	mg/kg	6100-SED10A
BG585	Sediment	04/26/2021	1	7439-96-5	Manganese	220		J	3.3	mg/kg	6100-SED10A
BG585	Sediment	04/26/2021	1	7440-02-0	Nickel	63		J	8.8	mg/kg	6100-SED10A
BG585	Sediment	04/26/2021	1	7440-09-7	Potassium	2400		J	1100	mg/kg	6100-SED10A
BG585	Sediment	04/26/2021	1	7782-49-2	Selenium	7.7	U	UJ	7.7	mg/kg	6100-SED10A
BG585	Sediment	04/26/2021	1	7440-22-4	Silver	10		J	2.2	mg/kg	6100-SED10A
BG585	Sediment	04/26/2021	1	7440-23-5	Sodium	11000		J	1100	mg/kg	6100-SED10A
BG585	Sediment	04/26/2021	1	7440-28-0	Thallium	5.5	U	UJ	5.5	mg/kg	6100-SED10A
BG585	Sediment	04/26/2021	1	7440-62-2	Vanadium	56		J	11	mg/kg	6100-SED10A
BG585	Sediment	04/26/2021	1	7440-66-6	Zinc	1100		J	13	mg/kg	6100-SED10A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG586	Sediment	04/26/2021	1	7429-90-5	Aluminum	13000		J	53	mg/kg	6100-SED10B
BG586	Sediment	04/26/2021	1	7440-36-0	Antimony	16	U*	UJ	16	mg/kg	6100-SED10B
BG586	Sediment	04/26/2021	1	7440-38-2	Arsenic	12		J	2.6	mg/kg	6100-SED10B
BG586	Sediment	04/26/2021	1	7440-39-3	Barium	240		J	53	mg/kg	6100-SED10B
BG586	Sediment	04/26/2021	1	7440-41-7	Beryllium	0.55	J	J	1.3	mg/kg	6100-SED10B
BG586	Sediment	04/26/2021	1	7440-43-9	Cadmium	11		J	1.3	mg/kg	6100-SED10B
BG586	Sediment	04/26/2021	1	7440-70-2	Calcium	13000		J	1300	mg/kg	6100-SED10B
BG586	Sediment	04/26/2021	1	7440-47-3	Chromium	160		J	2.6	mg/kg	6100-SED10B
BG586	Sediment	04/26/2021	1	7440-48-4	Cobalt	10	J	J	13	mg/kg	6100-SED10B
BG586	Sediment	04/26/2021	1	7440-50-8	Copper	800		J	6.6	mg/kg	6100-SED10B
BG586	Sediment	04/26/2021	1	7439-89-6	Iron	31000		J	26	mg/kg	6100-SED10B
BG586	Sediment	04/26/2021	1	7439-92-1	Lead	1600		J	2.6	mg/kg	6100-SED10B
BG586	Sediment	04/26/2021	1	7439-95-4	Magnesium	9000		J	1300	mg/kg	6100-SED10B
BG586	Sediment	04/26/2021	1	7439-96-5	Manganese	170		J	4.0	mg/kg	6100-SED10B
BG586	Sediment	04/26/2021	1	7440-02-0	Nickel	87		J	11	mg/kg	6100-SED10B
BG586	Sediment	04/26/2021	1	7440-09-7	Potassium	2500		J	1300	mg/kg	6100-SED10B
BG586	Sediment	04/26/2021	1	7782-49-2	Selenium	1.4	J	J	9.2	mg/kg	6100-SED10B
BG586	Sediment	04/26/2021	1	7440-22-4	Silver	8.1		J	2.6	mg/kg	6100-SED10B
BG586	Sediment	04/26/2021	1	7440-23-5	Sodium	12000		J	1300	mg/kg	6100-SED10B
BG586	Sediment	04/26/2021	1	7440-28-0	Thallium	6.6	U	UJ	6.6	mg/kg	6100-SED10B
BG586	Sediment	04/26/2021	1	7440-62-2	Vanadium	73		J	13	mg/kg	6100-SED10B
BG586	Sediment	04/26/2021	1	7440-66-6	Zinc	1600		J	16	mg/kg	6100-SED10B
BG587	Sediment	04/26/2021	1	7429-90-5	Aluminum	5300			27	mg/kg	6100-SED10C
BG587	Sediment	04/26/2021	1	7440-36-0	Antimony	8.1	U*	U	8.1	mg/kg	6100-SED10C
BG587	Sediment	04/26/2021	1	7440-38-2	Arsenic	5.1			1.3	mg/kg	6100-SED10C
BG587	Sediment	04/26/2021	1	7440-39-3	Barium	45			27	mg/kg	6100-SED10C
BG587	Sediment	04/26/2021	1	7440-41-7	Beryllium	0.26	J	J	0.67	mg/kg	6100-SED10C
BG587	Sediment	04/26/2021	1	7440-43-9	Cadmium	1.0			0.67	mg/kg	6100-SED10C
BG587	Sediment	04/26/2021	1	7440-70-2	Calcium	1200			670	mg/kg	6100-SED10C
BG587	Sediment	04/26/2021	1	7440-47-3	Chromium	23			1.3	mg/kg	6100-SED10C
BG587	Sediment	04/26/2021	1	7440-48-4	Cobalt	3.8	J	J	6.7	mg/kg	6100-SED10C
BG587	Sediment	04/26/2021	1	7440-50-8	Copper	75			3.4	mg/kg	6100-SED10C
BG587	Sediment	04/26/2021	1	7439-89-6	Iron	11000			13	mg/kg	6100-SED10C
BG587	Sediment	04/26/2021	1	7439-92-1	Lead	190			1.3	mg/kg	6100-SED10C
BG587	Sediment	04/26/2021	1	7439-95-4	Magnesium	2200			670	mg/kg	6100-SED10C
BG587	Sediment	04/26/2021	1	7439-96-5	Manganese	93			2.0	mg/kg	6100-SED10C
BG587	Sediment	04/26/2021	1	7440-02-0	Nickel	18			5.4	mg/kg	6100-SED10C
BG587	Sediment	04/26/2021	1	7440-09-7	Potassium	1300			670	mg/kg	6100-SED10C
BG587	Sediment	04/26/2021	1	7782-49-2	Selenium	4.7	U	U	4.7	mg/kg	6100-SED10C
BG587	Sediment	04/26/2021	1	7440-22-4	Silver	0.66	J	J	1.3	mg/kg	6100-SED10C
BG587	Sediment	04/26/2021	1	7440-23-5	Sodium	3000			670	mg/kg	6100-SED10C
BG587	Sediment	04/26/2021	1	7440-28-0	Thallium	3.4	U	U	3.4	mg/kg	6100-SED10C
BG587	Sediment	04/26/2021	1	7440-62-2	Vanadium	23			6.7	mg/kg	6100-SED10C
BG587	Sediment	04/26/2021	1	7440-66-6	Zinc	200			8.1	mg/kg	6100-SED10C
BG588	Sediment	04/26/2021	1	7429-90-5	Aluminum	1800			24	mg/kg	6100-SED11A
BG588	Sediment	04/26/2021	1	7440-36-0	Antimony	7.1	U*	U	7.1	mg/kg	6100-SED11A
BG588	Sediment	04/26/2021	1	7440-38-2	Arsenic	1.9			1.2	mg/kg	6100-SED11A
BG588	Sediment	04/26/2021	1	7440-39-3	Barium	24	J	U	24	mg/kg	6100-SED11A
BG588	Sediment	04/26/2021	1	7440-41-7	Beryllium	0.089	J	J	0.59	mg/kg	6100-SED11A
BG588	Sediment	04/26/2021	1	7440-43-9	Cadmium	0.42	J	J	0.59	mg/kg	6100-SED11A
BG588	Sediment	04/26/2021	1	7440-70-2	Calcium	1300			590	mg/kg	6100-SED11A
BG588	Sediment	04/26/2021	1	7440-47-3	Chromium	7.3			1.2	mg/kg	6100-SED11A
BG588	Sediment	04/26/2021	1	7440-48-4	Cobalt	1.9	J	J	5.9	mg/kg	6100-SED11A
BG588	Sediment	04/26/2021	1	7440-50-8	Copper	38			2.9	mg/kg	6100-SED11A
BG588	Sediment	04/26/2021	1	7439-89-6	Iron	6400			12	mg/kg	6100-SED11A
BG588	Sediment	04/26/2021	1	7439-92-1	Lead	83			1.2	mg/kg	6100-SED11A
BG588	Sediment	04/26/2021	1	7439-95-4	Magnesium	1000			590	mg/kg	6100-SED11A
BG588	Sediment	04/26/2021	1	7439-96-5	Manganese	88			1.8	mg/kg	6100-SED11A
BG588	Sediment	04/26/2021	1	7440-02-0	Nickel	9.8			4.7	mg/kg	6100-SED11A
BG588	Sediment	04/26/2021	1	7440-09-7	Potassium	430	J	J	590	mg/kg	6100-SED11A
BG588	Sediment	04/26/2021	1	7782-49-2	Selenium	4.1	U	U	4.1	mg/kg	6100-SED11A
BG588	Sediment	04/26/2021	1	7440-22-4	Silver	0.54	J	J	1.2	mg/kg	6100-SED11A
BG588	Sediment	04/26/2021	1	7440-23-5	Sodium	840			590	mg/kg	6100-SED11A
BG588	Sediment	04/26/2021	1	7440-28-0	Thallium	2.9	U	U	2.9	mg/kg	6100-SED11A
BG588	Sediment	04/26/2021	1	7440-62-2	Vanadium	6.9			5.9	mg/kg	6100-SED11A
BG588	Sediment	04/26/2021	1	7440-66-6	Zinc	93			7.1	mg/kg	6100-SED11A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG589	Sediment	04/26/2021	1	7429-90-5	Aluminum	3100			29	mg/kg	6100-SED11B
BG589	Sediment	04/26/2021	1	7440-36-0	Antimony	8.6	U*	U	8.6	mg/kg	6100-SED11B
BG589	Sediment	04/26/2021	1	7440-38-2	Arsenic	3.0			1.4	mg/kg	6100-SED11B
BG589	Sediment	04/26/2021	1	7440-39-3	Barium	54			29	mg/kg	6100-SED11B
BG589	Sediment	04/26/2021	1	7440-41-7	Beryllium	0.15	J	J	0.72	mg/kg	6100-SED11B
BG589	Sediment	04/26/2021	1	7440-43-9	Cadmium	1.5			0.72	mg/kg	6100-SED11B
BG589	Sediment	04/26/2021	1	7440-70-2	Calcium	1300			720	mg/kg	6100-SED11B
BG589	Sediment	04/26/2021	1	7440-47-3	Chromium	16			1.4	mg/kg	6100-SED11B
BG589	Sediment	04/26/2021	1	7440-48-4	Cobalt	3.7	J	J	7.2	mg/kg	6100-SED11B
BG589	Sediment	04/26/2021	1	7440-50-8	Copper	93			3.6	mg/kg	6100-SED11B
BG589	Sediment	04/26/2021	1	7439-89-6	Iron	7900			14	mg/kg	6100-SED11B
BG589	Sediment	04/26/2021	1	7439-92-1	Lead	210			1.4	mg/kg	6100-SED11B
BG589	Sediment	04/26/2021	1	7439-95-4	Magnesium	1500			720	mg/kg	6100-SED11B
BG589	Sediment	04/26/2021	1	7439-96-5	Manganese	190			2.1	mg/kg	6100-SED11B
BG589	Sediment	04/26/2021	1	7440-02-0	Nickel	19			5.7	mg/kg	6100-SED11B
BG589	Sediment	04/26/2021	1	7440-09-7	Potassium	650	J	J	720	mg/kg	6100-SED11B
BG589	Sediment	04/26/2021	1	7782-49-2	Selenium	5.0	U	U	5.0	mg/kg	6100-SED11B
BG589	Sediment	04/26/2021	1	7440-22-4	Silver	0.67	J	J	1.4	mg/kg	6100-SED11B
BG589	Sediment	04/26/2021	1	7440-23-5	Sodium	1100			720	mg/kg	6100-SED11B
BG589	Sediment	04/26/2021	1	7440-28-0	Thallium	3.6	U	U	3.6	mg/kg	6100-SED11B
BG589	Sediment	04/26/2021	1	7440-62-2	Vanadium	25			7.2	mg/kg	6100-SED11B
BG589	Sediment	04/26/2021	1	7440-66-6	Zinc	280			8.6	mg/kg	6100-SED11B
BG590	Sediment	04/26/2021	1	7429-90-5	Aluminum	4000			32	mg/kg	6100-SED11C
BG590	Sediment	04/26/2021	1	7440-36-0	Antimony	1.7	J*	J	9.7	mg/kg	6100-SED11C
BG590	Sediment	04/26/2021	1	7440-38-2	Arsenic	6.3			1.6	mg/kg	6100-SED11C
BG590	Sediment	04/26/2021	1	7440-39-3	Barium	200			32	mg/kg	6100-SED11C
BG590	Sediment	04/26/2021	1	7440-41-7	Beryllium	0.22	J	J	0.81	mg/kg	6100-SED11C
BG590	Sediment	04/26/2021	1	7440-43-9	Cadmium	5.1			0.81	mg/kg	6100-SED11C
BG590	Sediment	04/26/2021	1	7440-70-2	Calcium	2900			810	mg/kg	6100-SED11C
BG590	Sediment	04/26/2021	1	7440-47-3	Chromium	34			1.6	mg/kg	6100-SED11C
BG590	Sediment	04/26/2021	1	7440-48-4	Cobalt	4.4	J	J	8.1	mg/kg	6100-SED11C
BG590	Sediment	04/26/2021	1	7440-50-8	Copper	320			4.0	mg/kg	6100-SED11C
BG590	Sediment	04/26/2021	1	7439-89-6	Iron	13000			16	mg/kg	6100-SED11C
BG590	Sediment	04/26/2021	1	7439-92-1	Lead	600			1.6	mg/kg	6100-SED11C
BG590	Sediment	04/26/2021	1	7439-95-4	Magnesium	2200			810	mg/kg	6100-SED11C
BG590	Sediment	04/26/2021	1	7439-96-5	Manganese	120			2.4	mg/kg	6100-SED11C
BG590	Sediment	04/26/2021	1	7440-02-0	Nickel	30			6.5	mg/kg	6100-SED11C
BG590	Sediment	04/26/2021	1	7440-09-7	Potassium	720	J	J	810	mg/kg	6100-SED11C
BG590	Sediment	04/26/2021	1	7782-49-2	Selenium	1.4	J	J	5.7	mg/kg	6100-SED11C
BG590	Sediment	04/26/2021	1	7440-22-4	Silver	3.6			1.6	mg/kg	6100-SED11C
BG590	Sediment	04/26/2021	1	7440-23-5	Sodium	1300			810	mg/kg	6100-SED11C
BG590	Sediment	04/26/2021	1	7440-28-0	Thallium	4.0	U	U	4.0	mg/kg	6100-SED11C
BG590	Sediment	04/26/2021	1	7440-62-2	Vanadium	48			8.1	mg/kg	6100-SED11C
BG590	Sediment	04/26/2021	1	7440-66-6	Zinc	850			9.7	mg/kg	6100-SED11C
BG591	Sediment	04/26/2021	1	7429-90-5	Aluminum	3700			25	mg/kg	6100-SED12A
BG591	Sediment	04/26/2021	1	7440-36-0	Antimony	7.5	U*	U	7.5	mg/kg	6100-SED12A
BG591	Sediment	04/26/2021	1	7440-38-2	Arsenic	3.2			1.3	mg/kg	6100-SED12A
BG591	Sediment	04/26/2021	1	7440-39-3	Barium	71			25	mg/kg	6100-SED12A
BG591	Sediment	04/26/2021	1	7440-41-7	Beryllium	0.31	J	J	0.63	mg/kg	6100-SED12A
BG591	Sediment	04/26/2021	1	7440-43-9	Cadmium	1.2			0.63	mg/kg	6100-SED12A
BG591	Sediment	04/26/2021	1	7440-70-2	Calcium	8700			630	mg/kg	6100-SED12A
BG591	Sediment	04/26/2021	1	7440-47-3	Chromium	14			1.3	mg/kg	6100-SED12A
BG591	Sediment	04/26/2021	1	7440-48-4	Cobalt	5.2	J	J	6.3	mg/kg	6100-SED12A
BG591	Sediment	04/26/2021	1	7440-50-8	Copper	86			3.1	mg/kg	6100-SED12A
BG591	Sediment	04/26/2021	1	7439-89-6	Iron	7400			13	mg/kg	6100-SED12A
BG591	Sediment	04/26/2021	1	7439-92-1	Lead	310			1.3	mg/kg	6100-SED12A
BG591	Sediment	04/26/2021	1	7439-95-4	Magnesium	5600			630	mg/kg	6100-SED12A
BG591	Sediment	04/26/2021	1	7439-96-5	Manganese	90			1.9	mg/kg	6100-SED12A
BG591	Sediment	04/26/2021	1	7440-02-0	Nickel	26			5.0	mg/kg	6100-SED12A
BG591	Sediment	04/26/2021	1	7440-09-7	Potassium	680			630	mg/kg	6100-SED12A
BG591	Sediment	04/26/2021	1	7782-49-2	Selenium	4.4	U	U	4.4	mg/kg	6100-SED12A
BG591	Sediment	04/26/2021	1	7440-22-4	Silver	0.63	J	J	1.3	mg/kg	6100-SED12A
BG591	Sediment	04/26/2021	1	7440-23-5	Sodium	2100			630	mg/kg	6100-SED12A
BG591	Sediment	04/26/2021	1	7440-28-0	Thallium	3.1	U	U	3.1	mg/kg	6100-SED12A
BG591	Sediment	04/26/2021	1	7440-62-2	Vanadium	12			6.3	mg/kg	6100-SED12A
BG591	Sediment	04/26/2021	1	7440-66-6	Zinc	450			7.5	mg/kg	6100-SED12A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG592	Sediment	04/26/2021	1	7429-90-5	Aluminum	5700			26	mg/kg	6100-SED12B
BG592	Sediment	04/26/2021	1	7440-36-0	Antimony	7.9	U*	U	7.9	mg/kg	6100-SED12B
BG592	Sediment	04/26/2021	1	7440-38-2	Arsenic	4.2			1.3	mg/kg	6100-SED12B
BG592	Sediment	04/26/2021	1	7440-39-3	Barium	190			26	mg/kg	6100-SED12B
BG592	Sediment	04/26/2021	1	7440-41-7	Beryllium	0.17	J	J	0.66	mg/kg	6100-SED12B
BG592	Sediment	04/26/2021	1	7440-43-9	Cadmium	2.0			0.66	mg/kg	6100-SED12B
BG592	Sediment	04/26/2021	1	7440-70-2	Calcium	3300			660	mg/kg	6100-SED12B
BG592	Sediment	04/26/2021	1	7440-47-3	Chromium	20			1.3	mg/kg	6100-SED12B
BG592	Sediment	04/26/2021	1	7440-48-4	Cobalt	4.1	J	J	6.6	mg/kg	6100-SED12B
BG592	Sediment	04/26/2021	1	7440-50-8	Copper	180			3.3	mg/kg	6100-SED12B
BG592	Sediment	04/26/2021	1	7439-89-6	Iron	9100			13	mg/kg	6100-SED12B
BG592	Sediment	04/26/2021	1	7439-92-1	Lead	560			1.3	mg/kg	6100-SED12B
BG592	Sediment	04/26/2021	1	7439-95-4	Magnesium	2100			660	mg/kg	6100-SED12B
BG592	Sediment	04/26/2021	1	7439-96-5	Manganese	93			2.0	mg/kg	6100-SED12B
BG592	Sediment	04/26/2021	1	7440-02-0	Nickel	26			5.3	mg/kg	6100-SED12B
BG592	Sediment	04/26/2021	1	7440-09-7	Potassium	570	J	J	660	mg/kg	6100-SED12B
BG592	Sediment	04/26/2021	1	7782-49-2	Selenium	4.6	U	U	4.6	mg/kg	6100-SED12B
BG592	Sediment	04/26/2021	1	7440-22-4	Silver	1.6			1.3	mg/kg	6100-SED12B
BG592	Sediment	04/26/2021	1	7440-23-5	Sodium	2500			660	mg/kg	6100-SED12B
BG592	Sediment	04/26/2021	1	7440-28-0	Thallium	3.3	U	U	3.3	mg/kg	6100-SED12B
BG592	Sediment	04/26/2021	1	7440-62-2	Vanadium	15			6.6	mg/kg	6100-SED12B
BG592	Sediment	04/26/2021	1	7440-66-6	Zinc	560			7.9	mg/kg	6100-SED12B
BG594	Sediment	04/26/2021	1	7429-90-5	Aluminum	8200		J	39	mg/kg	6100-SED13A
BG594	Sediment	04/26/2021	1	7440-36-0	Antimony	2.0	J*	J	12	mg/kg	6100-SED13A
BG594	Sediment	04/26/2021	1	7440-38-2	Arsenic	15		J	1.9	mg/kg	6100-SED13A
BG594	Sediment	04/26/2021	1	7440-39-3	Barium	390		J	39	mg/kg	6100-SED13A
BG594	Sediment	04/26/2021	1	7440-41-7	Beryllium	0.45	J	J	0.97	mg/kg	6100-SED13A
BG594	Sediment	04/26/2021	1	7440-43-9	Cadmium	7.9		J	0.97	mg/kg	6100-SED13A
BG594	Sediment	04/26/2021	1	7440-70-2	Calcium	5800		J	970	mg/kg	6100-SED13A
BG594	Sediment	04/26/2021	1	7440-47-3	Chromium	81		J	1.9	mg/kg	6100-SED13A
BG594	Sediment	04/26/2021	1	7440-48-4	Cobalt	7.9	J	J	9.7	mg/kg	6100-SED13A
BG594	Sediment	04/26/2021	1	7440-50-8	Copper	640		J	4.9	mg/kg	6100-SED13A
BG594	Sediment	04/26/2021	1	7439-89-6	Iron	26000		J	19	mg/kg	6100-SED13A
BG594	Sediment	04/26/2021	1	7439-92-1	Lead	1100		J	1.9	mg/kg	6100-SED13A
BG594	Sediment	04/26/2021	1	7439-95-4	Magnesium	4000		J	970	mg/kg	6100-SED13A
BG594	Sediment	04/26/2021	1	7439-96-5	Manganese	120		J	2.9	mg/kg	6100-SED13A
BG594	Sediment	04/26/2021	1	7440-02-0	Nickel	56		J	7.8	mg/kg	6100-SED13A
BG594	Sediment	04/26/2021	1	7440-09-7	Potassium	1300		J	970	mg/kg	6100-SED13A
BG594	Sediment	04/26/2021	1	7782-49-2	Selenium	2.6	J	J	6.8	mg/kg	6100-SED13A
BG594	Sediment	04/26/2021	1	7440-22-4	Silver	9.1		J	1.9	mg/kg	6100-SED13A
BG594	Sediment	04/26/2021	1	7440-23-5	Sodium	3300		J	970	mg/kg	6100-SED13A
BG594	Sediment	04/26/2021	1	7440-28-0	Thallium	4.9	U	UJ	4.9	mg/kg	6100-SED13A
BG594	Sediment	04/26/2021	1	7440-62-2	Vanadium	71		J	9.7	mg/kg	6100-SED13A
BG594	Sediment	04/26/2021	1	7440-66-6	Zinc	1600		J	12	mg/kg	6100-SED13A
BG595	Sediment	04/26/2021	1	7429-90-5	Aluminum	8700		J	38	mg/kg	6100-SED13B
BG595	Sediment	04/26/2021	1	7440-36-0	Antimony	11	U*	UJ	11	mg/kg	6100-SED13B
BG595	Sediment	04/26/2021	1	7440-38-2	Arsenic	17		J	1.9	mg/kg	6100-SED13B
BG595	Sediment	04/26/2021	1	7440-39-3	Barium	610		J	38	mg/kg	6100-SED13B
BG595	Sediment	04/26/2021	1	7440-41-7	Beryllium	0.50	J	J	0.94	mg/kg	6100-SED13B
BG595	Sediment	04/26/2021	1	7440-43-9	Cadmium	5.2		J	0.94	mg/kg	6100-SED13B
BG595	Sediment	04/26/2021	1	7440-70-2	Calcium	5800		J	940	mg/kg	6100-SED13B
BG595	Sediment	04/26/2021	1	7440-47-3	Chromium	39		J	1.9	mg/kg	6100-SED13B
BG595	Sediment	04/26/2021	1	7440-48-4	Cobalt	7.6	J	J	9.4	mg/kg	6100-SED13B
BG595	Sediment	04/26/2021	1	7440-50-8	Copper	350		J	4.7	mg/kg	6100-SED13B
BG595	Sediment	04/26/2021	1	7439-89-6	Iron	22000		J	19	mg/kg	6100-SED13B
BG595	Sediment	04/26/2021	1	7439-92-1	Lead	1400		J	1.9	mg/kg	6100-SED13B
BG595	Sediment	04/26/2021	1	7439-95-4	Magnesium	3900		J	940	mg/kg	6100-SED13B
BG595	Sediment	04/26/2021	1	7439-96-5	Manganese	120		J	2.8	mg/kg	6100-SED13B
BG595	Sediment	04/26/2021	1	7440-02-0	Nickel	48		J	7.5	mg/kg	6100-SED13B
BG595	Sediment	04/26/2021	1	7440-09-7	Potassium	1300		J	940	mg/kg	6100-SED13B
BG595	Sediment	04/26/2021	1	7782-49-2	Selenium	2.7	J	J	6.6	mg/kg	6100-SED13B
BG595	Sediment	04/26/2021	1	7440-22-4	Silver	7.8		J	1.9	mg/kg	6100-SED13B
BG595	Sediment	04/26/2021	1	7440-23-5	Sodium	1200		J	940	mg/kg	6100-SED13B
BG595	Sediment	04/26/2021	1	7440-28-0	Thallium	4.7	U	UJ	4.7	mg/kg	6100-SED13B
BG595	Sediment	04/26/2021	1	7440-62-2	Vanadium	34		J	9.4	mg/kg	6100-SED13B
BG595	Sediment	04/26/2021	1	7440-66-6	Zinc	1900		J	11	mg/kg	6100-SED13B

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG596	Sediment	04/26/2021	1	7429-90-5	Aluminum	11000			37	mg/kg	6100-SED13C
BG596	Sediment	04/26/2021	1	7440-36-0	Antimony	11	U*	U	11	mg/kg	6100-SED13C
BG596	Sediment	04/26/2021	1	7440-38-2	Arsenic	19			1.8	mg/kg	6100-SED13C
BG596	Sediment	04/26/2021	1	7440-39-3	Barium	510			37	mg/kg	6100-SED13C
BG596	Sediment	04/26/2021	1	7440-41-7	Beryllium	0.60	J	J	0.92	mg/kg	6100-SED13C
BG596	Sediment	04/26/2021	1	7440-43-9	Cadmium	4.2			0.92	mg/kg	6100-SED13C
BG596	Sediment	04/26/2021	1	7440-70-2	Calcium	5800			920	mg/kg	6100-SED13C
BG596	Sediment	04/26/2021	1	7440-47-3	Chromium	44			1.8	mg/kg	6100-SED13C
BG596	Sediment	04/26/2021	1	7440-48-4	Cobalt	8.1	J	J	9.2	mg/kg	6100-SED13C
BG596	Sediment	04/26/2021	1	7440-50-8	Copper	290			4.6	mg/kg	6100-SED13C
BG596	Sediment	04/26/2021	1	7439-89-6	Iron	24000			18	mg/kg	6100-SED13C
BG596	Sediment	04/26/2021	1	7439-92-1	Lead	750			1.8	mg/kg	6100-SED13C
BG596	Sediment	04/26/2021	1	7439-95-4	Magnesium	4700			920	mg/kg	6100-SED13C
BG596	Sediment	04/26/2021	1	7439-96-5	Manganese	150			2.8	mg/kg	6100-SED13C
BG596	Sediment	04/26/2021	1	7440-02-0	Nickel	49			7.4	mg/kg	6100-SED13C
BG596	Sediment	04/26/2021	1	7440-09-7	Potassium	1800			920	mg/kg	6100-SED13C
BG596	Sediment	04/26/2021	1	7782-49-2	Selenium	2.6	J	J	6.5	mg/kg	6100-SED13C
BG596	Sediment	04/26/2021	1	7440-22-4	Silver	7.8			1.8	mg/kg	6100-SED13C
BG596	Sediment	04/26/2021	1	7440-23-5	Sodium	1000			920	mg/kg	6100-SED13C
BG596	Sediment	04/26/2021	1	7440-28-0	Thallium	4.6	U	U	4.6	mg/kg	6100-SED13C
BG596	Sediment	04/26/2021	1	7440-62-2	Vanadium	34			9.2	mg/kg	6100-SED13C
BG596	Sediment	04/26/2021	1	7440-66-6	Zinc	1900			11	mg/kg	6100-SED13C
LCS01		04/29/2021	1	7429-90-5	Aluminum	37			20	mg/kg	
LCS01		04/29/2021	1	7440-36-0	Antimony	11			6.0	mg/kg	
LCS01		04/29/2021	1	7440-38-2	Arsenic	1.7			1.0	mg/kg	
LCS01		04/29/2021	1	7440-39-3	Barium	39		J+	20	mg/kg	
LCS01		04/29/2021	1	7440-41-7	Beryllium	0.95			0.50	mg/kg	
LCS01		04/29/2021	1	7440-43-9	Cadmium	0.97			0.50	mg/kg	
LCS01		04/29/2021	1	7440-70-2	Calcium	960			500	mg/kg	
LCS01		04/29/2021	1	7440-47-3	Chromium	2.1			1.0	mg/kg	
LCS01		04/29/2021	1	7440-48-4	Cobalt	10			5.0	mg/kg	
LCS01		04/29/2021	1	7440-50-8	Copper	4.6			2.5	mg/kg	
LCS01		04/29/2021	1	7439-89-6	Iron	19		J+	10	mg/kg	
LCS01		04/29/2021	1	7439-92-1	Lead	2.0			1.0	mg/kg	
LCS01		04/29/2021	1	7439-95-4	Magnesium	890			500	mg/kg	
LCS01		04/29/2021	1	7439-96-5	Manganese	2.9		J+	1.5	mg/kg	
LCS01		04/29/2021	1	7440-02-0	Nickel	7.9			4.0	mg/kg	
LCS01		04/29/2021	1	7440-09-7	Potassium	900			500	mg/kg	
LCS01		04/29/2021	1	7782-49-2	Selenium	6.4			3.5	mg/kg	
LCS01		04/29/2021	1	7440-22-4	Silver	1.8			1.0	mg/kg	
LCS01		04/29/2021	1	7440-23-5	Sodium	890		J-	500	mg/kg	
LCS01		04/29/2021	1	7440-28-0	Thallium	4.4			2.5	mg/kg	
LCS01		04/29/2021	1	7440-62-2	Vanadium	9.6			5.0	mg/kg	
LCS01		04/29/2021	1	7440-66-6	Zinc	11			6.0	mg/kg	
BG576S	Sediment	04/26/2021	1	7440-36-0	Antimony	20	*		17	mg/kg	6100-SED07A
BG576S	Sediment	04/26/2021	1	7440-38-2	Arsenic	31			2.9	mg/kg	6100-SED07A
BG576S	Sediment	04/26/2021	1	7440-39-3	Barium	1200		J+	57	mg/kg	6100-SED07A
BG576S	Sediment	04/26/2021	1	7440-41-7	Beryllium	26			1.4	mg/kg	6100-SED07A
BG576S	Sediment	04/26/2021	1	7440-43-9	Cadmium	29			1.4	mg/kg	6100-SED07A
BG576S	Sediment	04/26/2021	1	7440-47-3	Chromium	230			2.9	mg/kg	6100-SED07A
BG576S	Sediment	04/26/2021	1	7440-48-4	Cobalt	260			14	mg/kg	6100-SED07A
BG576S	Sediment	04/26/2021	1	7440-50-8	Copper	450			7.1	mg/kg	6100-SED07A
BG576S	Sediment	04/26/2021	1	7439-92-1	Lead	480			2.9	mg/kg	6100-SED07A
BG576S	Sediment	04/26/2021	1	7439-96-5	Manganese	570		J+	4.3	mg/kg	6100-SED07A
BG576S	Sediment	04/26/2021	1	7440-02-0	Nickel	340			11	mg/kg	6100-SED07A
BG576S	Sediment	04/26/2021	1	7782-49-2	Selenium	46			10	mg/kg	6100-SED07A
BG576S	Sediment	04/26/2021	1	7440-22-4	Silver	29			2.9	mg/kg	6100-SED07A
BG576S	Sediment	04/26/2021	1	7440-28-0	Thallium	23			7.1	mg/kg	6100-SED07A
BG576S	Sediment	04/26/2021	1	7440-62-2	Vanadium	320			14	mg/kg	6100-SED07A
BG576S	Sediment	04/26/2021	1	7440-66-6	Zinc	950			17	mg/kg	6100-SED07A
PBS01		04/29/2021	1	7429-90-5	Aluminum	20	U	U	20	mg/kg	
PBS01		04/29/2021	1	7440-36-0	Antimony	6.0	U	U	6.0	mg/kg	
PBS01		04/29/2021	1	7440-38-2	Arsenic	1.0	U	U	1.0	mg/kg	
PBS01		04/29/2021	1	7440-39-3	Barium	20	U	U	20	mg/kg	
PBS01		04/29/2021	1	7440-41-7	Beryllium	0.50	U	U	0.50	mg/kg	
PBS01		04/29/2021	1	7440-43-9	Cadmium	0.50	U	U	0.50	mg/kg	

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
PBS01		04/29/2021	1	7440-70-2	Calcium	500	U	U	500	mg/kg	
PBS01		04/29/2021	1	7440-47-3	Chromium	1.0	U	U	1.0	mg/kg	
PBS01		04/29/2021	1	7440-48-4	Cobalt	5.0	U	U	5.0	mg/kg	
PBS01		04/29/2021	1	7440-50-8	Copper	2.5	U	U	2.5	mg/kg	
PBS01		04/29/2021	1	7439-89-6	Iron	10	U	U	10	mg/kg	
PBS01		04/29/2021	1	7439-92-1	Lead	1.0	U	U	1.0	mg/kg	
PBS01		04/29/2021	1	7439-95-4	Magnesium	500	U	U	500	mg/kg	
PBS01		04/29/2021	1	7439-96-5	Manganese	1.5	U	U	1.5	mg/kg	
PBS01		04/29/2021	1	7440-02-0	Nickel	4.0	U	U	4.0	mg/kg	
PBS01		04/29/2021	1	7440-09-7	Potassium	500	U	U	500	mg/kg	
PBS01		04/29/2021	1	7782-49-2	Selenium	3.5	U	U	3.5	mg/kg	
PBS01		04/29/2021	1	7440-22-4	Silver	1.0	U	U	1.0	mg/kg	
PBS01		04/29/2021	1	7440-23-5	Sodium	-8.5	J	J-	500	mg/kg	
PBS01		04/29/2021	1	7440-28-0	Thallium	2.5	U	U	2.5	mg/kg	
PBS01		04/29/2021	1	7440-62-2	Vanadium	5.0	U	U	5.0	mg/kg	
PBS01		04/29/2021	1	7440-66-6	Zinc	6.0	U	U	6.0	mg/kg	
BG576A	Sediment	04/26/2021	1	7440-36-0	Antimony	31			17	mg/kg	6100-SED07A
BG576D	Sediment	04/26/2021	1	7439-97-6	Mercury	1.8			0.30	mg/kg	6100-SED07A
BG515	Sediment	04/26/2021	2	7439-97-6	Mercury	3.5	D	J	0.46	mg/kg	6100-SED26C
BG576	Sediment	04/26/2021	1	7439-97-6	Mercury	1.8		J	0.30	mg/kg	6100-SED07A
BG577	Sediment	04/26/2021	2	7439-97-6	Mercury	4.3	D	J	0.53	mg/kg	6100-SED07B
BG578	Sediment	04/26/2021	3	7439-97-6	Mercury	4.2	D	J	0.68	mg/kg	6100-SED07C
BG585	Sediment	04/26/2021	1	7439-97-6	Mercury	1.8		J	0.23	mg/kg	6100-SED10A
BG586	Sediment	04/26/2021	2	7439-97-6	Mercury	4.0	D	J	0.54	mg/kg	6100-SED10B
BG587	Sediment	04/26/2021	1	7439-97-6	Mercury	0.43			0.14	mg/kg	6100-SED10C
BG588	Sediment	04/26/2021	1	7439-97-6	Mercury	0.062	J	J	0.12	mg/kg	6100-SED11A
BG589	Sediment	04/26/2021	1	7439-97-6	Mercury	0.53			0.14	mg/kg	6100-SED11B
BG590	Sediment	04/26/2021	1	7439-97-6	Mercury	1.2			0.16	mg/kg	6100-SED11C
BG591	Sediment	04/26/2021	1	7439-97-6	Mercury	0.31			0.12	mg/kg	6100-SED12A
BG592	Sediment	04/26/2021	1	7439-97-6	Mercury	0.98			0.13	mg/kg	6100-SED12B
BG594	Sediment	04/26/2021	2	7439-97-6	Mercury	3.1	D	J	0.39	mg/kg	6100-SED13A
BG595	Sediment	04/26/2021	5	7439-97-6	Mercury	4.6	D	J	0.97	mg/kg	6100-SED13B
BG596	Sediment	04/26/2021	5	7439-97-6	Mercury	4.1	D		0.92	mg/kg	6100-SED13C
BG576S	Sediment	04/26/2021	1	7439-97-6	Mercury	3.2			0.30	mg/kg	6100-SED07A
PBS01		04/28/2021	1	7439-97-6	Mercury	0.10	U	U	0.10	mg/kg	
BG576D	Sediment	04/26/2021	1	57-12-5	Cyanide	1.5	U	U	1.5	mg/kg	6100-SED07A
BG515	Sediment	04/26/2021	1	57-12-5	Cyanide	0.52	J*	J	1.2	mg/kg	6100-SED26C
BG576	Sediment	04/26/2021	1	57-12-5	Cyanide	1.5	U*	UJ	1.5	mg/kg	6100-SED07A
BG577	Sediment	04/26/2021	1	57-12-5	Cyanide	0.75	J*	J	1.3	mg/kg	6100-SED07B
BG578	Sediment	04/26/2021	1	57-12-5	Cyanide	1.3	*	J	1.3	mg/kg	6100-SED07C
BG585	Sediment	04/26/2021	1	57-12-5	Cyanide	1.2	U*	UJ	1.2	mg/kg	6100-SED10A
BG586	Sediment	04/26/2021	1	57-12-5	Cyanide	1.3	U*	UJ	1.3	mg/kg	6100-SED10B
BG587	Sediment	04/26/2021	1	57-12-5	Cyanide	0.67	U*	U	0.67	mg/kg	6100-SED10C
BG588	Sediment	04/26/2021	1	57-12-5	Cyanide	0.61	U*	U	0.61	mg/kg	6100-SED11A
BG589	Sediment	04/26/2021	1	57-12-5	Cyanide	0.66	U*	U	0.66	mg/kg	6100-SED11B
BG590	Sediment	04/26/2021	1	57-12-5	Cyanide	0.80	U*	U	0.80	mg/kg	6100-SED11C
BG591	Sediment	04/26/2021	1	57-12-5	Cyanide	0.63	U*	U	0.63	mg/kg	6100-SED12A
BG592	Sediment	04/26/2021	1	57-12-5	Cyanide	0.65	U*	U	0.65	mg/kg	6100-SED12B
BG594	Sediment	04/26/2021	1	57-12-5	Cyanide	0.99	U*	UJ	0.99	mg/kg	6100-SED13A
BG595	Sediment	04/26/2021	1	57-12-5	Cyanide	2.6	*	J	0.96	mg/kg	6100-SED13B
BG596	Sediment	04/26/2021	1	57-12-5	Cyanide	2.7	*		0.94	mg/kg	6100-SED13C
BG576S	Sediment	04/26/2021	1	57-12-5	Cyanide	6.6	*		1.5	mg/kg	6100-SED07A
PBS01		05/03/2021	1	57-12-5	Cyanide	0.50	U	U	0.50	mg/kg	
PBS02		05/03/2021	1	57-12-5	Cyanide	0.50	U	U	0.50	mg/kg	
BG576A	Sediment	04/26/2021	1	57-12-5	Cyanide	5.5			1.5	mg/kg	6100-SED07A

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
LSASD/HWSB/HWSS
2890 Woodbridge Avenue, Edison, NJ 08837

EXECUTIVE NARRATIVE

Case No.: 49391
Site: Coney Island Creek
Number of Samples: 9 (Sediment)
Analysis: Metals (ICP-AES), Hg and CN

SDG No.: BG516
Laboratory: Bonner Analytical Testing Co.
Sampling dates: 04/27/2021
Validation SOP: HW-3a and -3c (Rev 1)

QAPP
Contractor: Weston Solutions, Inc
Reference: DCN: SAT-V.6102.0022, April 1, 2021

SUMMARY OF DEFINITIONS:

Critical: Results have an unacceptable level of uncertainty and should not be used for making decisions. Data have been qualified "R" rejected.
Major: A level of uncertainty exists that may not meet the data quality objectives for the project. A bias is likely to be present in the results. Data has been qualified "J" estimated. "J+" and "J-" represent likely direction of the bias.
Minor: The level of uncertainty is acceptable. No significant bias in the data was observed.

Critical Findings:
None

Major Findings:
Following Samples have analytes that have been qualified J, J+ or J-.
Metals and CN: BG516, BG597, BG5A0, BG5A6, BG5B2
Hg: BG516, BG597, BG5A0, BG5A1, BG5A3, BG5A6, BG5A9, BG5B2, BG5B5

Minor Findings:
"-M" is appended to all deliverable files of this SDG only to flag that the data are Inorganic. One or more analytes in one or more samples are qualified "J" due to results between MDL and CRQL.

COMMENT:	Per request in ARF, Summary Reports were created using RSL-Industrial Soil as project action levels (PALs). **Arsenic** results exceeded the PAL for one or more samples.

Reviewer Name(s): Jianwei Huang

Approver's Signature: **Date: 06/17/2021**

Name: **Narendra Kumar**

Affiliation: USEPA/R2/HWSB/HWSS

Data Qualifier Definitions (National Functional Guidelines)			
Qualifier Symbol	**Explanation**		
	INORGANICS	**ORGANICS**	**CHLORINATED DIOXIN/FURAN**
U	The analyte was analyzed for, but was not detected above the level of the reported quantitation limit.	The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted Contract Required Quantitation Limit (CRQL) for sample and method	The analyte was analyzed for but not detected. The value preceding the "U" may represent the adjusted Contract Required Quantitation Limit (see DLM02.X, Exhibit D, Section 1.2 and Table 2), or the sample specific estimated detection limit (EDL, see Method 8290A, Section 11.9.5).
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to an issue with the quality of the data generated because certain QC criteria were not met, or the concentration of the analyte was below the adjusted CRQL).
J+	The result is an estimated quantity, but the result may be biased high.	The result is an estimated quantity, but the result may be biased high.	
J–	The result is an estimated quantity, but the result may be biased low.	The result is an estimated quantity, but the result may be biased low.	
UJ	The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.	The analyte was not detected at a level greater than or equal to the adjusted CRQL. However, the reported adjusted CRQL is approximate and may be inaccurate or imprecise.	The analyte was not detected (see definition of "U" flag, above). The reported value should be considered approximate.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
N		The analysis indicates the presence of an analyte for which there is presumptive evidence to make a “tentative identification”.	
NJ		The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	
C		This qualifier applies to pesticide and Aroclor results when the identification has been confirmed by Gas Chromatograph/Mass Spectrometer (GC/MS).	
X		This qualifier applies to pesticide and Aroclor results when GC/MS analysis was attempted but was unsuccessful.	

DATA ASSESSMENT

ANALYSIS: METALS ICP-AES

The current SOP HW-3a (Rev 1) September 2016, USEPA Region II for the evaluation of ICP-AES metals data, and all related Change Request Forms (CRF) for this SOP, generated through Statement of Work SFAM01.1, and any future editorial revisions of SFAM01.1 has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi- Automated Screening Results Report.

1. HOLDING TIME AND PRESERVATION

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time or pH (aqueous samples are not within the acceptable range, the data may not be valid. Those analytes detected in the samples whose holding time (180 days) or pH (≤2) have not been met, will be qualified as estimated, "J"; the non-detects will be flagged as unusable, "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. CALIBRATION

Method requirements for satisfactory instrument calibration are established to ensure that the instrument is capable of producing acceptable quantitative data for the metals on the Inorganic Target Analyte List (TAL). Initial Calibration Verification (ICV) demonstrates that the instrument is capable of acceptable performance at the beginning of the analytical run. Continuing Calibration Verification (CCV) demonstrates that the initial calibration is still valid by checking the performance of the instrument on a continuing basis.

A) INITIAL CALIBRATION

A blank and at least five calibration standards shall be used to establish each analytical curve. At least one of these standards shall be at or below the CRQL. The calibration curve shall be fitted using linear regression or weighted linear regression. The curve may be forced through zero. The curve must have a correlation coefficient ≥ 0.995. The percent differences calculated for all of the non-zero standards must be within ±30% of the true value of the standard. The y-intercept of the curve must be less than the CRQL. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) INITIAL AND CONTINUING CALIBRATION VERIFICATION

Immediately after each system has been calibrated, the accuracy of the initial calibration must be verified and documented for each target analyte by the analysis of an ICV solution(s).
The CCV standard shall be analyzed at a frequency of every two hours during an analytical run. The CCV standard shall also be analyzed at the beginning of the run, and again after the last analytical sample. The percent recovery acceptable limits for ICV/CCV are 90 – 110%. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

3. BLANK CONTAMINATION

Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Calibration blanks (ICB and CCB) are used to ensure a stable instrument baseline before and during the analysis of analytical samples. The preparation blank is used to assess the level of contamination introduced to the analytical samples throughout the sample preparation process. Field and rinse blanks measure cross-contamination of samples during field operations. Qualifications were applied to the samples and analytes as shown below.

The following samples have analyte results less than CRQLs. The associated CCB analyte results are less than CRQLs. Detects are qualified as U. Sample results are reported at CRQLs.

Barium BG5A1, BG5A3, BG5A9, BG5B5

4. **INTERFERENCE CHECK SAMPLE**

The Interference Check Sample (ICS) verifies the analytical instrument's ability to overcome interferences typical of those found in samples. The laboratory should have analyzed and reported ICS results for all elements being reported from the analytical run and for all interferents (target and non-target) for these reported elements. The ICS consists of two solutions: Solution A and Solution AB. Solution A consists of the interferents, and Solution AB consists of the analytes mixed with the interferents. Results for the analysis of ICS Solution must fall within the control limits of ± 20% or ±CRQL (whichever is greater) of the true value for the analytes and interferents included in the solution. If results that are ≥ MDL are observed for analytes that are not present in the ICS solution, the possibility of false positives exists. If negative results are observed for analytes that are not present in the ICS solution, and their absolute value is ≥ MDL, the possibility of false negatives in the samples exists. In general, ICP sample data can be accepted if the concentrations of Al, Ca, Fe, and Mg in the sample are found to be less than or equal to their respective concentrations in the ICS. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

5. SPIKE SAMPLE ANALYSIS

The spiked sample analysis is designed to provide information about the effect of each sample matrix on the sample preparation procedures and the measurement methodology. The spike Percent Recovery (%R) shall be within the established acceptance limits of 75 – 125%. However, spike recovery limits do not apply when the sample concentration is ≥ 4x the spike added. For a matrix spike analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the matrix spike sample.

The following sample is associated with Matrix Spike sample that has spike analyte %R within 30 - 74% and Post-digestion spike analyte %R greater than or equal to 75%. Detects are qualified as J. Non-detects are qualified as UJ.

Antimony BG597

The following sample is associated with Matrix Spike sample that has spike analyte %R greater than 125% and Post-digestion spike analyte %R less than or equal to 125%. Detects are qualified as J. Non-detects are not qualified.

Zinc BG597

6. DUPLICATE SAMPLE ANALYSIS

The objective of duplicate sample analysis is to demonstrate acceptable method precision by the laboratory at the time of analysis. A control limit of 35% for the Relative Percent Difference (RPD) shall be used for original and duplicate sample values ≥ five times (5x) the Contract Required Quantitation Limit (CRQL). A control limit of the CRQL shall be used if either the sample or duplicate value is < 5x the CRQL. For a duplicate sample analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the duplicate sample.

The following sediment sample is associated with a Duplicate sample that has analyte results greater than or equal to 5xCRQL in both Duplicate and original samples and RPD is greater than 35%, but less than 100%. Detects are qualified as J. Non-detects are qualified as UJ.

Manganese BG597

7. FIELD DUPLICATE: BG5A0/BG516

Field duplicates may be taken and analyzed as an indication of overall precision. These analyses measure both field and laboratory precision. A control limit of 50% for the Relative Percent Difference (RPD) shall be used for original and duplicate sample values ≥ five times (5x) the Contract Required Quantitation Limit (CRQL). A control limit of 2x the CRQL shall be used if either the sample or duplicate value is < 5x the CRQL. For field duplicates analysis that does not meet the technical criteria, the action was applied to only the field sample and it's duplicate.

The following Duplicate and original soil sample results are greater than or equal to 5x the CRQL and RPD is greater than 50%. Detected analytes are qualified J.

Copper and Zinc BG516, BG5A0

8. LABORATORY CONTROL SAMPLE

The Laboratory Control Sample (LCS) serves as a monitor of the overall performance of each step during the analysis, including the sample preparation. Aqueous/water, soil/sediment, wipe, and filter LCSs shall be analyzed for each analyte utilizing the same sample preparations, analytical methods, and Quality Assurance/Quality Control (QA/QC) procedures as employed for the samples. All LCS Percent Recoveries (%R) must fall within the control limits of 70-130%, except for Sb and Ag which must fall within the control limits of 50-150%. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

9. ICP SERIAL DILUTION

The serial dilution of samples quantitated by Inductively Coupled Plasma determines whether or not significant physical or chemical interferences exist due to sample matrix. If the analyte concentration is sufficiently high [concentration in the original sample is > 50 times (50x) the Method Detection Limit (MDL)], the Percent Difference (%D) between the original determination and the serial dilution analysis (a five-fold dilution) after correction for dilution shall be less than 15. For a serial dilution analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the serial dilution sample.

No problems were found for this criterion.

10. PERCENT SOLIDS

The laboratory is required to perform the percent solids determination prior to sample preparation and analysis. All results of a sample with percent solids less than 50% are qualified estimated, "J". Qualifications were applied to the samples and analytes as shown below.

The following sediment samples have percent solids less than 50%. Affected sample results ≥ MDL are qualified J. Non-detected sample results are qualified UJ.

BG516, BG5A0, BG5A6, BG5B2

ANALYSIS: MERCURY

The current SOP HW-3c (Rev 1) September 2016, USEPA Region II for the evaluation of Mercury data, and all related Change Request Forms (CRF) for this SOP, generated through Statement of Work SFAM01.1, and any future editorial revisions of SFAM01.1 has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report.

1. HOLDING TIME AND PRESERVATION

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time, pH (aqueous samples), or cooler temperature are not within the acceptable range, the data may not be valid. Those analytes detected in the samples whose holding time (28 days) and pH (≤2) have not been met, will be qualified as estimated, "J"; the non-detects (sample quantitation limits) will be flagged as unusable, "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. CALIBRATION

Method requirements for satisfactory instrument calibration are established to ensure that the instrument is capable of producing acceptable quantitative data for mercury. Initial Calibration Verification (ICV) demonstrates that the instrument is capable of acceptable performance at the beginning of the analytical run. Continuing Calibration Verification (CCV) demonstrates that the initial calibration is still valid by checking the performance of the instrument on a continuing basis.

A) INITIAL CALIBRATION

A blank and at least five calibration standards shall be employed to establish the analytical curve. At least one of the calibration standards shall be at or below the Contract Required Quantitation Limit (CRQL). The calibration curve shall be fitted using linear regression or weighted linear regression. The curve may be forced through zero. The calibration curves for mercury shall possess a correlation coefficient of ≥ 0.995 to ensure the linearity over the calibrated range. The percent differences calculated for all of the non-zero standards must fall within ±30% of the true value of the standard. The y-intercept of the curve must be less than the CRQL. All sample results shall be reported from an analysis within the calibrated range. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) INITIAL AND CONTINUING CALIBRATION VERIFICATION

Immediately after each system has been calibrated, the accuracy of the initial calibration must be verified and documented for mercury by the analysis of an ICV solution(s). The CCV standard shall be analyzed at a frequency of every hour during an analytical run. The CCV standard shall also be analyzed at the beginning of the run, and again after the last analytical sample. The percent recovery acceptable limits for ICV/CCV are 85 – 115%. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

3. BLANK CONTAMINATION

Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure cross-contamination of samples during field operations. Qualifications were applied to the samples and analytes as shown below.

The following samples are associated with CCB that has analyte results less than or equal to (-MDLs) but greater than (-CRQLs). Detects are qualified as estimated J- or no qualification. Non-detects are qualified as estimated UJ.

Mercury BG516, BG597, BG5A0, BG5A1, BG5A3, BG5A6, BG5A9, BG5B2, BG5B5

4. SPIKE SAMPLE ANALYSIS

The spiked sample analysis is designed to provide information about the effect of each sample matrix on the sample preparation procedures and the measurement methodology. The spike Percent Recovery (%R) shall be within the established acceptance limits of 75 – 125%. However, spike recovery limits do not apply when the sample concentration is ≥ 4x the spike added. For a matrix spike analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the matrix spike sample.

No problems were found for this criterion.

5. DUPLICATE SAMPLE ANALYSIS

The objective of duplicate sample analysis is to demonstrate acceptable method precision by the laboratory at the time of analysis. A control limit of 35% for the Relative Percent Difference (RPD) shall be used for original and duplicate sample values ≥ five times (5x) the Contract Required Quantitation Limit (CRQL). A control limit of the CRQL shall be used if either the sample or duplicate value is < 5x the CRQL. For a duplicate sample analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the duplicate sample.

No problems were found for this criterion.

6. FIELD DUPLICATE: BG5A0/BG516

Field duplicates may be taken and analyzed as an indication of overall precision. These analyses measure both field and laboratory precision. A control limit of 20% for the Relative Percent Difference

(RPD) shall be used for original and duplicate sample values ≥ five times (5x) the Contract Required Quantitation Limit (CRQL). A control limit of the CRQL shall be used if either the sample or duplicate value is < 5x the CRQL. For field duplicates analysis that does not meet the technical criteria, the action was applied to only the field sample and it's duplicate.

The following Duplicate and/or original soil sample results are less than 5x the CRQL and the absolute difference between duplicate and original samples is greater than 2x the CRQL. Detected analytes are qualified J. Non-detected analytes are qualified UJ.

Mercury BG5A0, BG516

7. PERCENT SOLIDS

The laboratory is required to perform the percent solids determination prior to sample preparation and analysis. Qualifications were applied to the samples and analytes as shown below.

The following sediment samples have percent solids less than 50%. Affected sample results ≥ MDL are qualified J. Non-detected sample results are qualified UJ.

BG516, BG5A0, BG5A6, BG5B2

ANALYSIS: CYANIDE

The current SOP HW-3c (Rev 1) September 2016, USEPA Region II for the evaluation of Cyanide data, and all related Change Request Forms (CRF) for this SOP, generated through Statement of Work SFAM01.1, and any future editorial revisions of SFAM01.1 has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report.

1. HOLDING TIME AND PRESERVATION

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time, pH (aqueous samples), or cooler temperature are not within the acceptable range, the data may not be valid. Those analytes detected in the samples whose holding time (14 days) and pH (≥12) have not been met, will be qualified as estimated, "J"; the non-detects (sample quantitation limits) will be flagged as unusable, "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. CALIBRATION

Method requirements for satisfactory instrument calibration are established to ensure that the instrument is capable of producing acceptable quantitative data for cyanide. Initial Calibration Verification (ICV) demonstrates that the instrument is capable of acceptable performance at the beginning of the analytical run. Continuing Calibration Verification (CCV) demonstrates that the initial calibration is still valid by checking the performance of the instrument on a continuing basis.

A) INITIAL CALIBRATION

A blank and at least five calibration standards shall be employed to establish the analytical curve. At least one of the calibration standards shall be at or below the Contract Required Quantitation Limit

(CRQL). The calibration curve shall be fitted using linear regression or weighted linear regression. The curve may be forced through zero. The calibration curve for cyanide shall possess a correlation coefficient of ≥ 0.995 to ensure the linearity over the calibrated range. The percent differences calculated for all of the non-zero standards must be within ±30% of the true value of the standard. The y-intercept of the curve must be less than the CRQL. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) INITIAL AND CONTINUING CALIBRATION VERIFICATION

Immediately after each system has been calibrated, the accuracy of the initial calibration must be verified and documented for cyanide by the analysis of an ICV solution(s).
The CCV standard shall be analyzed at a frequency of every hour during an analytical run. The CCV standard shall also be analyzed at the beginning of the run, and again after the last analytical sample. The percent recovery acceptable limits for ICV/CCV are 85 – 115%. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

3. BLANK CONTAMINATION

Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure cross-contamination of samples during field operations. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

4. SPIKE SAMPLE ANALYSIS

The spiked sample analysis is designed to provide information about the effect of each sample matrix on the sample preparation procedures and the measurement methodology. The spike Percent Recovery (%R) shall be within the established acceptance limits of 75 – 125%. However, spike recovery limits do not apply when the sample concentration is ≥ 4x the spike added. For a matrix spike analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the matrix spike sample.

The following sample is associated with Matrix Spike sample that has spike analyte %R within 30 - 74% and Post-digestion spike analyte %R greater than or equal to 75%. Detects are qualified as J. Non-detects are qualified as UJ.

Cyanide BG597

5. DUPLICATE SAMPLE ANALYSIS

The objective of duplicate sample analysis is to demonstrate acceptable method precision by the laboratory at the time of analysis. A control limit of 20% for the Relative Percent Difference (RPD) shall be used for original and duplicate sample values ≥ five times (5x) the Contract Required Quantitation Limit (CRQL). A control limit of the CRQL shall be used if either the sample or duplicate

value is < 5x the CRQL. For a duplicate sample analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the duplicate sample.

No problems were found for this criterion.

6. FIELD DUPLICATE: BG5A0/BG516

Field duplicates may be taken and analyzed as an indication of overall precision. These analyses measure both field and laboratory precision. A control limit of 20% for the Relative Percent Difference (RPD) shall be used for original and duplicate sample values ≥ five times (5x) the Contract Required Quantitation Limit (CRQL). A control limit of the CRQL shall be used if either the sample or duplicate value is < 5x the CRQL. For field duplicates analysis that does not meet the technical criteria, the action was applied to only the field sample and it's duplicate.

No problems were found for this criterion.

7. PERCENT SOLIDS

The laboratory is required to perform the percent solids determination prior to sample preparation and analysis. Qualifications were applied to the samples and analytes as shown below.

The following sediment samples have percent solids less than 50%. Affected sample results ≥ MDL are qualified J. Non-detected sample results are qualified UJ.

BG516, BG5A0, BG5A6, BG5B2

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG516** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED27A

Sample Number: BG516	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: SED15	pH:	Sample Date: 04/27/2021	Sample Time: 11:50:00
% Moisture:		% Solids: 32	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	1.5	UJ	mg/kg	1.5	U*	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG516** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED27A

Sample Number: BG516	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SED15	pH:	Sample Date: 04/27/2021	Sample Time: 11:50:00
% Moisture:		% Solids: 32	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	1.9	J-	mg/kg	1.9		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG516** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED27A

Sample Number: BG516	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SED15	pH:	Sample Date: 04/27/2021	Sample Time: 11:50:00
% Moisture:		% Solids: 32	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	18000	J	mg/kg	18000		1	YES	S3VEM
Antimony	Target	19	UJ	mg/kg	19	U*	1	YES	S3VEM
Arsenic	Target	15	J	mg/kg	15		1	YES	S3VEM
Barium	Target	73	J	mg/kg	73		1	YES	S3VEM
Beryllium	Target	0.76	J	mg/kg	0.76	J	1	YES	S3VEM
Cadmium	Target	1.3	J	mg/kg	1.3	J	1	YES	S3VEM
Calcium	Target	2400	J	mg/kg	2400		1	YES	S3VEM
Chromium	Target	39	J	mg/kg	39		1	YES	S3VEM
Cobalt	Target	9.2	J	mg/kg	9.2	J	1	YES	S3VEM
Copper	Target	83	J	mg/kg	83		1	YES	S3VEM
Iron	Target	33000	J	mg/kg	33000		1	YES	S3VEM
Lead	Target	190	J	mg/kg	190		1	YES	S3VEM
Magnesium	Target	7300	J	mg/kg	7300	*	1	YES	S3VEM
Manganese	Target	280	J	mg/kg	280	*	1	YES	S3VEM
Nickel	Target	34	J	mg/kg	34		1	YES	S3VEM
Potassium	Target	4700	J	mg/kg	4700		1	YES	S3VEM
Selenium	Target	2.9	J	mg/kg	2.9	J	1	YES	S3VEM
Silver	Target	0.43	J	mg/kg	0.43	J	1	YES	S3VEM
Sodium	Target	15000	J	mg/kg	15000		1	YES	S3VEM
Thallium	Target	7.8	UJ	mg/kg	7.8	U	1	YES	S3VEM
Vanadium	Target	48	J	mg/kg	48		1	YES	S3VEM
Zinc	Target	290	J	mg/kg	290	*	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG516** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED14A

Sample Number: BG597	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: SED14/SW14	pH:	Sample Date: 04/27/2021	Sample Time: 11:10:00
% Moisture:		% Solids: 74	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	0.62	UJ	mg/kg	0.62	U*	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG516** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED14A

Sample Number: BG597	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SED14/SW14	pH:	Sample Date: 04/27/2021	Sample Time: 11:10:00
% Moisture:		% Solids: 74	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.22	J-	mg/kg	0.22		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG516** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED14A

Sample Number: BG597	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SED14/SW14	pH:	Sample Date: 04/27/2021	Sample Time: 11:10:00
% Moisture:		% Solids: 74	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	10000		mg/kg	10000		1	YES	S3VEM
Antimony	Target	1.2	J-	mg/kg	1.2	J*	1	YES	S3VEM
Arsenic	Target	6.1		mg/kg	6.1		1	YES	S3VEM
Barium	Target	95		mg/kg	95		1	YES	S3VEM
Beryllium	Target	0.43	J	mg/kg	0.43	J	1	YES	S3VEM
Cadmium	Target	0.31	J	mg/kg	0.31	J	1	YES	S3VEM
Calcium	Target	1600		mg/kg	1600		1	YES	S3VEM
Chromium	Target	19		mg/kg	19		1	YES	S3VEM
Cobalt	Target	5.4	J	mg/kg	5.4	J	1	YES	S3VEM
Copper	Target	56		mg/kg	56		1	YES	S3VEM
Iron	Target	16000		mg/kg	16000		1	YES	S3VEM
Lead	Target	250		mg/kg	250		1	YES	S3VEM
Magnesium	Target	2700		mg/kg	2700	*	1	YES	S3VEM
Manganese	Target	170	J	mg/kg	170	*	1	YES	S3VEM
Nickel	Target	24		mg/kg	24		1	YES	S3VEM
Potassium	Target	990		mg/kg	990		1	YES	S3VEM
Selenium	Target	1.1	J	mg/kg	1.1	J	1	YES	S3VEM
Silver	Target	1.3	U	mg/kg	1.3	U	1	YES	S3VEM
Sodium	Target	2300		mg/kg	2300		1	YES	S3VEM
Thallium	Target	3.1	U	mg/kg	3.1	U	1	YES	S3VEM
Vanadium	Target	27		mg/kg	27		1	YES	S3VEM
Zinc	Target	210	J	mg/kg	210	*	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG516** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: BG597A	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 04/27/2021	Sample Time: 11:10:00
% Moisture:		% Solids: 74	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Spike	2.9		mg/kg	2.9		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG516** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: BG597A	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 04/27/2021	Sample Time: 11:10:00
% Moisture:		% Solids: 74	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Spike	14		mg/kg	14		1	YES	S3VEM
Zinc	Spike	670		mg/kg	670		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG516** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: BG597D	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 04/27/2021	Sample Time: 11:10:00
% Moisture:		% Solids: 74	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	0.62	U	mg/kg	0.62	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG516** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: BG597D	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 04/27/2021	Sample Time: 11:10:00
% Moisture:		% Solids: 74	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.28	J-	mg/kg	0.28		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG516** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: BG597D	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 04/27/2021	Sample Time: 11:10:00
% Moisture:		% Solids: 74	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	10000	J+	mg/kg	10000		1	YES	S3VEM
Antimony	Target	1.3	J	mg/kg	1.3	J	1	YES	S3VEM
Arsenic	Target	6.7		mg/kg	6.7		1	YES	S3VEM
Barium	Target	77	J+	mg/kg	77		1	YES	S3VEM
Beryllium	Target	0.45	J	mg/kg	0.45	J	1	YES	S3VEM
Cadmium	Target	0.35	J	mg/kg	0.35	J	1	YES	S3VEM
Calcium	Target	1700	J+	mg/kg	1700		1	YES	S3VEM
Chromium	Target	19		mg/kg	19		1	YES	S3VEM
Cobalt	Target	6.3		mg/kg	6.3		1	YES	S3VEM
Copper	Target	53		mg/kg	53		1	YES	S3VEM
Iron	Target	18000	J+	mg/kg	18000		1	YES	S3VEM
Lead	Target	220	J+	mg/kg	220		1	YES	S3VEM
Magnesium	Target	3300	J+	mg/kg	3300	*	1	YES	S3VEM
Manganese	Target	340	J+	mg/kg	340	*	1	YES	S3VEM
Nickel	Target	28		mg/kg	28		1	YES	S3VEM
Potassium	Target	1100	J+	mg/kg	1100		1	YES	S3VEM
Selenium	Target	1.0	J	mg/kg	1.0	J	1	YES	S3VEM
Silver	Target	1.3	U	mg/kg	1.3	U	1	YES	S3VEM
Sodium	Target	2100	J+	mg/kg	2100		1	YES	S3VEM
Thallium	Target	3.1	U	mg/kg	3.1	U	1	YES	S3VEM
Vanadium	Target	30		mg/kg	30		1	YES	S3VEM
Zinc	Target	230		mg/kg	230		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG516** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: BG597L	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 74	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	11000	J+	mg/kg	11000		5	YES	S3VEM
Antimony	Target	38	U	mg/kg	38	U	5	YES	S3VEM
Arsenic	Target	6.7		mg/kg	6.7		5	YES	S3VEM
Barium	Target	130	U	mg/kg	100	J	5	YES	S3VEM
Beryllium	Target	0.48	J	mg/kg	0.48	J	5	YES	S3VEM
Cadmium	Target	0.36	J	mg/kg	0.36	J	5	YES	S3VEM
Calcium	Target	3100	U	mg/kg	1800	J	5	YES	S3VEM
Chromium	Target	21		mg/kg	21		5	YES	S3VEM
Cobalt	Target	6.3	J	mg/kg	6.3	J	5	YES	S3VEM
Copper	Target	60		mg/kg	60		5	YES	S3VEM
Iron	Target	18000	J+	mg/kg	18000		5	YES	S3VEM
Lead	Target	240	J+	mg/kg	240		5	YES	S3VEM
Magnesium	Target	3100	U	mg/kg	2900	J	5	YES	S3VEM
Manganese	Target	190	J+	mg/kg	190		5	YES	S3VEM
Nickel	Target	23	J	mg/kg	23	J	5	YES	S3VEM
Potassium	Target	3100	U	mg/kg	1100	J	5	YES	S3VEM
Selenium	Target	22	U	mg/kg	22	U	5	YES	S3VEM
Silver	Target	6.3	U	mg/kg	6.3	U	5	YES	S3VEM
Sodium	Target	3100	U	mg/kg	2500	J	5	YES	S3VEM
Thallium	Target	16	U	mg/kg	16	U	5	YES	S3VEM
Vanadium	Target	29	J	mg/kg	29	J	5	YES	S3VEM
Zinc	Target	200		mg/kg	200		5	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG516** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: BG597S	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 04/27/2021	Sample Time: 11:10:00
% Moisture:		% Solids: 74	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Spike	4.1		mg/kg	4.1	*	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG516** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: BG597S	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 04/27/2021	Sample Time: 11:10:00
% Moisture:		% Solids: 74	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Spike	0.87	J-	mg/kg	0.87		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG516** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: BG597S	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date: 04/27/2021	Sample Time: 11:10:00
% Moisture:		% Solids: 74	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Spike	11		mg/kg	11	*	1	YES	S3VEM
Arsenic	Spike	15		mg/kg	15		1	YES	S3VEM
Barium	Spike	550	J+	mg/kg	550		1	YES	S3VEM
Beryllium	Spike	11		mg/kg	11		1	YES	S3VEM
Cadmium	Spike	11		mg/kg	11		1	YES	S3VEM
Chromium	Spike	68		mg/kg	68		1	YES	S3VEM
Cobalt	Spike	120		mg/kg	120		1	YES	S3VEM
Copper	Spike	110		mg/kg	110		1	YES	S3VEM
Lead	Spike	220	J+	mg/kg	220		1	YES	S3VEM
Manganese	Spike	300	J+	mg/kg	300		1	YES	S3VEM
Nickel	Spike	150		mg/kg	150		1	YES	S3VEM
Selenium	Spike	21		mg/kg	21		1	YES	S3VEM
Silver	Spike	11		mg/kg	11		1	YES	S3VEM
Thallium	Spike	9.9		mg/kg	9.9		1	YES	S3VEM
Vanadium	Spike	140		mg/kg	140		1	YES	S3VEM
Zinc	Spike	370		mg/kg	370	*	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG516** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED15A

Sample Number: BG5A0	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: SED15	pH:	Sample Date: 04/27/2021	Sample Time: 11:45:00
% Moisture:		% Solids: 42	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	1.2	UJ	mg/kg	1.2	U*	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG516** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED15A

Sample Number: BG5A0	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SED15	pH:	Sample Date: 04/27/2021	Sample Time: 11:45:00
% Moisture:		% Solids: 42	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.19	J-	mg/kg	0.19	J	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG516** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED15A

Sample Number: BG5A0	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SED15	pH:	Sample Date: 04/27/2021	Sample Time: 11:45:00
% Moisture:		% Solids: 42	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	16000	J	mg/kg	16000		1	YES	S3VEM
Antimony	Target	14	UJ	mg/kg	14	U*	1	YES	S3VEM
Arsenic	Target	9.0	J	mg/kg	9.0		1	YES	S3VEM
Barium	Target	56	J	mg/kg	56		1	YES	S3VEM
Beryllium	Target	0.71	J	mg/kg	0.71	J	1	YES	S3VEM
Cadmium	Target	0.47	J	mg/kg	0.47	J	1	YES	S3VEM
Calcium	Target	1900	J	mg/kg	1900		1	YES	S3VEM
Chromium	Target	33	J	mg/kg	33		1	YES	S3VEM
Cobalt	Target	8.3	J	mg/kg	8.3	J	1	YES	S3VEM
Copper	Target	44	J	mg/kg	44		1	YES	S3VEM
Iron	Target	27000	J	mg/kg	27000		1	YES	S3VEM
Lead	Target	88	J	mg/kg	88		1	YES	S3VEM
Magnesium	Target	6100	J	mg/kg	6100	*	1	YES	S3VEM
Manganese	Target	250	J	mg/kg	250	*	1	YES	S3VEM
Nickel	Target	28	J	mg/kg	28		1	YES	S3VEM
Potassium	Target	3900	J	mg/kg	3900		1	YES	S3VEM
Selenium	Target	1.9	J	mg/kg	1.9	J	1	YES	S3VEM
Silver	Target	2.4	UJ	mg/kg	2.4	U	1	YES	S3VEM
Sodium	Target	10000	J	mg/kg	10000		1	YES	S3VEM
Thallium	Target	5.9	UJ	mg/kg	5.9	U	1	YES	S3VEM
Vanadium	Target	39	J	mg/kg	39		1	YES	S3VEM
Zinc	Target	130	J	mg/kg	130	*	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG516** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED15B

Sample Number: BG5A1	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: SED15	pH:	Sample Date: 04/27/2021	Sample Time: 11:55:00
% Moisture:		% Solids: 74	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	0.62	U	mg/kg	0.62	U*	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG516** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED15B

Sample Number: BG5A1	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SED15	pH:	Sample Date: 04/27/2021	Sample Time: 11:55:00
% Moisture:		% Solids: 74	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.0086	J-	mg/kg	0.0086	J	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG516** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED15B

Sample Number: BG5A1	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SED15	pH:	Sample Date: 04/27/2021	Sample Time: 11:55:00
% Moisture:		% Solids: 74	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	7900		mg/kg	7900		1	YES	S3VEM
Antimony	Target	8.0	U	mg/kg	8.0	U*	1	YES	S3VEM
Arsenic	Target	6.1		mg/kg	6.1		1	YES	S3VEM
Barium	Target	27	U	mg/kg	20	J	1	YES	S3VEM
Beryllium	Target	0.39	J	mg/kg	0.39	J	1	YES	S3VEM
Cadmium	Target	0.23	J	mg/kg	0.23	J	1	YES	S3VEM
Calcium	Target	1000		mg/kg	1000		1	YES	S3VEM
Chromium	Target	17		mg/kg	17		1	YES	S3VEM
Cobalt	Target	4.6	J	mg/kg	4.6	J	1	YES	S3VEM
Copper	Target	6.4		mg/kg	6.4		1	YES	S3VEM
Iron	Target	18000		mg/kg	18000		1	YES	S3VEM
Lead	Target	7.8		mg/kg	7.8		1	YES	S3VEM
Magnesium	Target	3100		mg/kg	3100	*	1	YES	S3VEM
Manganese	Target	170		mg/kg	170	*	1	YES	S3VEM
Nickel	Target	14		mg/kg	14		1	YES	S3VEM
Potassium	Target	2000		mg/kg	2000		1	YES	S3VEM
Selenium	Target	0.76	J	mg/kg	0.76	J	1	YES	S3VEM
Silver	Target	1.3	U	mg/kg	1.3	U	1	YES	S3VEM
Sodium	Target	3100		mg/kg	3100		1	YES	S3VEM
Thallium	Target	3.3	U	mg/kg	3.3	U	1	YES	S3VEM
Vanadium	Target	20		mg/kg	20		1	YES	S3VEM
Zinc	Target	40		mg/kg	40	*	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG516** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED16A

Sample Number: BG5A3	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: SED16	pH:	Sample Date: 04/27/2021	Sample Time: 14:00:00
% Moisture:		% Solids: 74	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	0.64	U	mg/kg	0.64	U*	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG516** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED16A

Sample Number: BG5A3	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SED16	pH:	Sample Date: 04/27/2021	Sample Time: 14:00:00
% Moisture:		% Solids: 74	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.073	J-	mg/kg	0.073	J	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG516** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED16A

Sample Number: BG5A3	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SED16	pH:	Sample Date: 04/27/2021	Sample Time: 14:00:00
% Moisture:		% Solids: 74	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	3500		mg/kg	3500		1	YES	S3VEM
Antimony	Target	8.0	U	mg/kg	8.0	U*	1	YES	S3VEM
Arsenic	Target	5.7		mg/kg	5.7		1	YES	S3VEM
Barium	Target	27	U	mg/kg	20	J	1	YES	S3VEM
Beryllium	Target	0.26	J	mg/kg	0.26	J	1	YES	S3VEM
Cadmium	Target	0.24	J	mg/kg	0.24	J	1	YES	S3VEM
Calcium	Target	1900		mg/kg	1900		1	YES	S3VEM
Chromium	Target	16		mg/kg	16		1	YES	S3VEM
Cobalt	Target	2.3	J	mg/kg	2.3	J	1	YES	S3VEM
Copper	Target	34		mg/kg	34		1	YES	S3VEM
Iron	Target	9600		mg/kg	9600		1	YES	S3VEM
Lead	Target	70		mg/kg	70		1	YES	S3VEM
Magnesium	Target	2100		mg/kg	2100	*	1	YES	S3VEM
Manganese	Target	55		mg/kg	55	*	1	YES	S3VEM
Nickel	Target	7.0		mg/kg	7.0		1	YES	S3VEM
Potassium	Target	1300		mg/kg	1300		1	YES	S3VEM
Selenium	Target	4.7	U	mg/kg	4.7	U	1	YES	S3VEM
Silver	Target	1.3	U	mg/kg	1.3	U	1	YES	S3VEM
Sodium	Target	2400		mg/kg	2400		1	YES	S3VEM
Thallium	Target	3.3	U	mg/kg	3.3	U	1	YES	S3VEM
Vanadium	Target	13		mg/kg	13		1	YES	S3VEM
Zinc	Target	84		mg/kg	84	*	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG516** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED17A

Sample Number: BG5A6	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: SED17	pH:	Sample Date: 04/27/2021	Sample Time: 13:45:00
% Moisture:		% Solids: 42	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	1.2	UJ	mg/kg	1.2	U*	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG516** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED17A

Sample Number: BG5A6	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SED17	pH:	Sample Date: 04/27/2021	Sample Time: 13:45:00
% Moisture:		% Solids: 42	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.17	J-	mg/kg	0.17	J	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG516** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED17A

Sample Number: BG5A6	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SED17	pH:	Sample Date: 04/27/2021	Sample Time: 13:45:00
% Moisture:		% Solids: 42	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	10000	J	mg/kg	10000		1	YES	S3VEM
Antimony	Target	2.3	J	mg/kg	2.3	J*	1	YES	S3VEM
Arsenic	Target	26	J	mg/kg	26		1	YES	S3VEM
Barium	Target	100	J	mg/kg	100		1	YES	S3VEM
Beryllium	Target	0.53	J	mg/kg	0.53	J	1	YES	S3VEM
Cadmium	Target	1.5	J	mg/kg	1.5		1	YES	S3VEM
Calcium	Target	11000	J	mg/kg	11000		1	YES	S3VEM
Chromium	Target	68	J	mg/kg	68		1	YES	S3VEM
Cobalt	Target	8.7	J	mg/kg	8.7	J	1	YES	S3VEM
Copper	Target	250	J	mg/kg	250		1	YES	S3VEM
Iron	Target	23000	J	mg/kg	23000		1	YES	S3VEM
Lead	Target	510	J	mg/kg	510		1	YES	S3VEM
Magnesium	Target	9200	J	mg/kg	9200	*	1	YES	S3VEM
Manganese	Target	160	J	mg/kg	160	*	1	YES	S3VEM
Nickel	Target	32	J	mg/kg	32		1	YES	S3VEM
Potassium	Target	2400	J	mg/kg	2400		1	YES	S3VEM
Selenium	Target	2.2	J	mg/kg	2.2	J	1	YES	S3VEM
Silver	Target	0.74	J	mg/kg	0.74	J	1	YES	S3VEM
Sodium	Target	10000	J	mg/kg	10000		1	YES	S3VEM
Thallium	Target	5.9	UJ	mg/kg	5.9	U	1	YES	S3VEM
Vanadium	Target	43	J	mg/kg	43		1	YES	S3VEM
Zinc	Target	740	J	mg/kg	740	*	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG516** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED18A

Sample Number: BG5A9	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: SED18	pH:	Sample Date: 04/27/2021	Sample Time: 13:30:00
% Moisture:		% Solids: 77	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	0.65	U	mg/kg	0.65	U*	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG516** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED18A

Sample Number: BG5A9	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SED18	pH:	Sample Date: 04/27/2021	Sample Time: 13:30:00
% Moisture:		% Solids: 77	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.29	J-	mg/kg	0.29		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG516** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED18A

Sample Number: BG5A9	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SED18	pH:	Sample Date: 04/27/2021	Sample Time: 13:30:00
% Moisture:		% Solids: 77	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	2400		mg/kg	2400		1	YES	S3VEM
Antimony	Target	7.3	U	mg/kg	7.3	U*	1	YES	S3VEM
Arsenic	Target	2.0		mg/kg	2.0		1	YES	S3VEM
Barium	Target	24	U	mg/kg	8.6	J	1	YES	S3VEM
Beryllium	Target	0.17	J	mg/kg	0.17	J	1	YES	S3VEM
Cadmium	Target	0.20	J	mg/kg	0.20	J	1	YES	S3VEM
Calcium	Target	1800		mg/kg	1800		1	YES	S3VEM
Chromium	Target	13		mg/kg	13		1	YES	S3VEM
Cobalt	Target	1.2	J	mg/kg	1.2	J	1	YES	S3VEM
Copper	Target	12		mg/kg	12		1	YES	S3VEM
Iron	Target	6200		mg/kg	6200		1	YES	S3VEM
Lead	Target	23		mg/kg	23		1	YES	S3VEM
Magnesium	Target	1200		mg/kg	1200	*	1	YES	S3VEM
Manganese	Target	22		mg/kg	22	*	1	YES	S3VEM
Nickel	Target	2.8	J	mg/kg	2.8	J	1	YES	S3VEM
Potassium	Target	1300		mg/kg	1300		1	YES	S3VEM
Selenium	Target	0.64	J	mg/kg	0.64	J	1	YES	S3VEM
Silver	Target	1.2	U	mg/kg	1.2	U	1	YES	S3VEM
Sodium	Target	2200		mg/kg	2200		1	YES	S3VEM
Thallium	Target	3.1	U	mg/kg	3.1	U	1	YES	S3VEM
Vanadium	Target	9.7		mg/kg	9.7		1	YES	S3VEM
Zinc	Target	40		mg/kg	40	*	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG516** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED19A

Sample Number: BG5B2	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: SED19	pH:	Sample Date: 04/27/2021	Sample Time: 13:15:00
% Moisture:		% Solids: 33	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	1.5	UJ	mg/kg	1.5	U*	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG516** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED19A

Sample Number: BG5B2	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SED19	pH:	Sample Date: 04/27/2021	Sample Time: 13:15:00
% Moisture:		% Solids: 33	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.067	J-	mg/kg	0.067	J	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG516** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED19A

Sample Number: BG5B2	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SED19	pH:	Sample Date: 04/27/2021	Sample Time: 13:15:00
% Moisture:		% Solids: 33	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	14000	J	mg/kg	14000		1	YES	S3VEM
Antimony	Target	2.3	J	mg/kg	2.3	J*	1	YES	S3VEM
Arsenic	Target	18	J	mg/kg	18		1	YES	S3VEM
Barium	Target	120	J	mg/kg	120		1	YES	S3VEM
Beryllium	Target	0.66	J	mg/kg	0.66	J	1	YES	S3VEM
Cadmium	Target	2.7	J	mg/kg	2.7		1	YES	S3VEM
Calcium	Target	16000	J	mg/kg	16000		1	YES	S3VEM
Chromium	Target	95	J	mg/kg	95		1	YES	S3VEM
Cobalt	Target	9.8	J	mg/kg	9.8	J	1	YES	S3VEM
Copper	Target	310	J	mg/kg	310		1	YES	S3VEM
Iron	Target	31000	J	mg/kg	31000		1	YES	S3VEM
Lead	Target	470	J	mg/kg	470		1	YES	S3VEM
Magnesium	Target	12000	J	mg/kg	12000	*	1	YES	S3VEM
Manganese	Target	280	J	mg/kg	280	*	1	YES	S3VEM
Nickel	Target	42	J	mg/kg	42		1	YES	S3VEM
Potassium	Target	3300	J	mg/kg	3300		1	YES	S3VEM
Selenium	Target	2.4	J	mg/kg	2.4	J	1	YES	S3VEM
Silver	Target	1.8	J	mg/kg	1.8	J	1	YES	S3VEM
Sodium	Target	7800	J	mg/kg	7800		1	YES	S3VEM
Thallium	Target	6.9	UJ	mg/kg	6.9	U	1	YES	S3VEM
Vanadium	Target	60	J	mg/kg	60		1	YES	S3VEM
Zinc	Target	970	J	mg/kg	970	*	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG516** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED20A

Sample Number: BG5B5	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location: SED20/SW20	pH:	Sample Date: 04/27/2021	Sample Time: 13:00:00
% Moisture:		% Solids: 65	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	0.70	U	mg/kg	0.70	U*	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG516** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED20A

Sample Number: BG5B5	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location: SED20/SW20	pH:	Sample Date: 04/27/2021	Sample Time: 13:00:00
% Moisture:		% Solids: 65	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.30	J-	mg/kg	0.30		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG516** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SED20A

Sample Number: BG5B5	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location: SED20/SW20	pH:	Sample Date: 04/27/2021	Sample Time: 13:00:00
% Moisture:		% Solids: 65	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	5100		mg/kg	5100		1	YES	S3VEM
Antimony	Target	1.4	J	mg/kg	1.4	J*	1	YES	S3VEM
Arsenic	Target	6.2		mg/kg	6.2		1	YES	S3VEM
Barium	Target	28	U	mg/kg	26	J	1	YES	S3VEM
Beryllium	Target	0.41	J	mg/kg	0.41	J	1	YES	S3VEM
Cadmium	Target	0.72		mg/kg	0.72		1	YES	S3VEM
Calcium	Target	4300		mg/kg	4300		1	YES	S3VEM
Chromium	Target	84		mg/kg	84		1	YES	S3VEM
Cobalt	Target	2.6	J	mg/kg	2.6	J	1	YES	S3VEM
Copper	Target	55		mg/kg	55		1	YES	S3VEM
Iron	Target	27000		mg/kg	27000		1	YES	S3VEM
Lead	Target	97		mg/kg	97		1	YES	S3VEM
Magnesium	Target	3200		mg/kg	3200	*	1	YES	S3VEM
Manganese	Target	140		mg/kg	140	*	1	YES	S3VEM
Nickel	Target	9.2		mg/kg	9.2		1	YES	S3VEM
Potassium	Target	2300		mg/kg	2300		1	YES	S3VEM
Selenium	Target	1.1	J	mg/kg	1.1	J	1	YES	S3VEM
Silver	Target	1.4	U	mg/kg	1.4	U	1	YES	S3VEM
Sodium	Target	3600		mg/kg	3600		1	YES	S3VEM
Thallium	Target	3.5	U	mg/kg	3.5	U	1	YES	S3VEM
Vanadium	Target	21		mg/kg	21		1	YES	S3VEM
Zinc	Target	190		mg/kg	190	*	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG516** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: LCS01	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Spike	41		mg/kg	41		1	YES	S3VEM
Antimony	Spike	11		mg/kg	11		1	YES	S3VEM
Arsenic	Spike	1.8		mg/kg	1.8		1	YES	S3VEM
Barium	Spike	40	J+	mg/kg	40		1	YES	S3VEM
Beryllium	Spike	0.96		mg/kg	0.96		1	YES	S3VEM
Cadmium	Spike	0.99		mg/kg	0.99		1	YES	S3VEM
Calcium	Spike	1000		mg/kg	1000		1	YES	S3VEM
Chromium	Spike	2.1		mg/kg	2.1		1	YES	S3VEM
Cobalt	Spike	10		mg/kg	10		1	YES	S3VEM
Copper	Spike	4.7		mg/kg	4.7		1	YES	S3VEM
Iron	Spike	20	J+	mg/kg	20		1	YES	S3VEM
Lead	Spike	2.0		mg/kg	2.0		1	YES	S3VEM
Magnesium	Spike	950	J+	mg/kg	950		1	YES	S3VEM
Manganese	Spike	3.1	J+	mg/kg	3.1		1	YES	S3VEM
Nickel	Spike	8.2		mg/kg	8.2		1	YES	S3VEM
Potassium	Spike	950	J+	mg/kg	950		1	YES	S3VEM
Selenium	Spike	6.4		mg/kg	6.4		1	YES	S3VEM
Silver	Spike	1.9		mg/kg	1.9		1	YES	S3VEM
Sodium	Spike	960	J+	mg/kg	960		1	YES	S3VEM
Thallium	Spike	4.6		mg/kg	4.6		1	YES	S3VEM
Vanadium	Spike	9.9		mg/kg	9.9		1	YES	S3VEM
Zinc	Spike	12		mg/kg	12		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG516** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: PBS01	Method: Cyanide	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	0.50	U	mg/kg	0.50	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG516** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: PBS01	Method: Mercury by Cold Vapor	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	-0.0088	J-	mg/kg	-0.0088	J	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG516** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: PBS01	Method: Metals by ICP-AES	Matrix: Soil	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 100	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	14	J	mg/kg	14	J	1	YES	S3VEM
Antimony	Target	6.0	U	mg/kg	6.0	U	1	YES	S3VEM
Arsenic	Target	1.0	U	mg/kg	1.0	U	1	YES	S3VEM
Barium	Target	20	U	mg/kg	20	U	1	YES	S3VEM
Beryllium	Target	0.50	U	mg/kg	0.50	U	1	YES	S3VEM
Cadmium	Target	0.50	U	mg/kg	0.50	U	1	YES	S3VEM
Calcium	Target	31	J	mg/kg	31	J	1	YES	S3VEM
Chromium	Target	1.0	U	mg/kg	1.0	U	1	YES	S3VEM
Cobalt	Target	5.0	U	mg/kg	5.0	U	1	YES	S3VEM
Copper	Target	2.5	U	mg/kg	2.5	U	1	YES	S3VEM
Iron	Target	10	U	mg/kg	10	U	1	YES	S3VEM
Lead	Target	0.20	J	mg/kg	0.20	J	1	YES	S3VEM
Magnesium	Target	3.5	J	mg/kg	3.5	J	1	YES	S3VEM
Manganese	Target	1.5	U	mg/kg	1.5	U	1	YES	S3VEM
Nickel	Target	4.0	U	mg/kg	4.0	U	1	YES	S3VEM
Potassium	Target	500	U	mg/kg	500	U	1	YES	S3VEM
Selenium	Target	3.5	U	mg/kg	3.5	U	1	YES	S3VEM
Silver	Target	1.0	U	mg/kg	1.0	U	1	YES	S3VEM
Sodium	Target	500	U	mg/kg	500	U	1	YES	S3VEM
Thallium	Target	2.5	U	mg/kg	2.5	U	1	YES	S3VEM
Vanadium	Target	5.0	U	mg/kg	5.0	U	1	YES	S3VEM
Zinc	Target	6.0	U	mg/kg	6.0	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG516** **Lab Name: Bonner Analytical Testing Co.**

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG597D	Sediment	04/27/2021	1	7429-90-5	Aluminum	10000		J+	25	mg/kg	6100-SED14A
BG597D	Sediment	04/27/2021	1	7440-36-0	Antimony	1.3	J	J	7.5	mg/kg	6100-SED14A
BG597D	Sediment	04/27/2021	1	7440-38-2	Arsenic	6.7			1.3	mg/kg	6100-SED14A
BG597D	Sediment	04/27/2021	1	7440-39-3	Barium	77		J+	25	mg/kg	6100-SED14A
BG597D	Sediment	04/27/2021	1	7440-41-7	Beryllium	0.45	J	J	0.63	mg/kg	6100-SED14A
BG597D	Sediment	04/27/2021	1	7440-43-9	Cadmium	0.35	J	J	0.63	mg/kg	6100-SED14A
BG597D	Sediment	04/27/2021	1	7440-70-2	Calcium	1700		J+	630	mg/kg	6100-SED14A
BG597D	Sediment	04/27/2021	1	7440-47-3	Chromium	19			1.3	mg/kg	6100-SED14A
BG597D	Sediment	04/27/2021	1	7440-48-4	Cobalt	6.3			6.3	mg/kg	6100-SED14A
BG597D	Sediment	04/27/2021	1	7440-50-8	Copper	53			3.1	mg/kg	6100-SED14A
BG597D	Sediment	04/27/2021	1	7439-89-6	Iron	18000		J+	13	mg/kg	6100-SED14A
BG597D	Sediment	04/27/2021	1	7439-92-1	Lead	220		J+	1.3	mg/kg	6100-SED14A
BG597D	Sediment	04/27/2021	1	7439-95-4	Magnesium	3300	*	J+	630	mg/kg	6100-SED14A
BG597D	Sediment	04/27/2021	1	7439-96-5	Manganese	340	*	J+	1.9	mg/kg	6100-SED14A
BG597D	Sediment	04/27/2021	1	7440-02-0	Nickel	28			5.0	mg/kg	6100-SED14A
BG597D	Sediment	04/27/2021	1	7440-09-7	Potassium	1100		J+	630	mg/kg	6100-SED14A
BG597D	Sediment	04/27/2021	1	7782-49-2	Selenium	1.0	J	J	4.4	mg/kg	6100-SED14A
BG597D	Sediment	04/27/2021	1	7440-22-4	Silver	1.3	U	U	1.3	mg/kg	6100-SED14A
BG597D	Sediment	04/27/2021	1	7440-23-5	Sodium	2100		J+	630	mg/kg	6100-SED14A
BG597D	Sediment	04/27/2021	1	7440-28-0	Thallium	3.1	U	U	3.1	mg/kg	6100-SED14A
BG597D	Sediment	04/27/2021	1	7440-62-2	Vanadium	30			6.3	mg/kg	6100-SED14A
BG597D	Sediment	04/27/2021	1	7440-66-6	Zinc	230			7.5	mg/kg	6100-SED14A
BG516	Sediment	04/27/2021	1	7429-90-5	Aluminum	18000		J	62	mg/kg	6100-SED27A
BG516	Sediment	04/27/2021	1	7440-36-0	Antimony	19	U*	UJ	19	mg/kg	6100-SED27A
BG516	Sediment	04/27/2021	1	7440-38-2	Arsenic	15		J	3.1	mg/kg	6100-SED27A
BG516	Sediment	04/27/2021	1	7440-39-3	Barium	73		J	62	mg/kg	6100-SED27A
BG516	Sediment	04/27/2021	1	7440-41-7	Beryllium	0.76	J	J	1.6	mg/kg	6100-SED27A
BG516	Sediment	04/27/2021	1	7440-43-9	Cadmium	1.3	J	J	1.6	mg/kg	6100-SED27A
BG516	Sediment	04/27/2021	1	7440-70-2	Calcium	2400		J	1600	mg/kg	6100-SED27A
BG516	Sediment	04/27/2021	1	7440-47-3	Chromium	39		J	3.1	mg/kg	6100-SED27A
BG516	Sediment	04/27/2021	1	7440-48-4	Cobalt	9.2	J	J	16	mg/kg	6100-SED27A
BG516	Sediment	04/27/2021	1	7440-50-8	Copper	83		J	7.8	mg/kg	6100-SED27A
BG516	Sediment	04/27/2021	1	7439-89-6	Iron	33000		J	31	mg/kg	6100-SED27A
BG516	Sediment	04/27/2021	1	7439-92-1	Lead	190		J	3.1	mg/kg	6100-SED27A
BG516	Sediment	04/27/2021	1	7439-95-4	Magnesium	7300	*	J	1600	mg/kg	6100-SED27A
BG516	Sediment	04/27/2021	1	7439-96-5	Manganese	280	*	J	4.7	mg/kg	6100-SED27A
BG516	Sediment	04/27/2021	1	7440-02-0	Nickel	34		J	12	mg/kg	6100-SED27A
BG516	Sediment	04/27/2021	1	7440-09-7	Potassium	4700		J	1600	mg/kg	6100-SED27A
BG516	Sediment	04/27/2021	1	7782-49-2	Selenium	2.9	J	J	11	mg/kg	6100-SED27A
BG516	Sediment	04/27/2021	1	7440-22-4	Silver	0.43	J	J	3.1	mg/kg	6100-SED27A
BG516	Sediment	04/27/2021	1	7440-23-5	Sodium	15000		J	1600	mg/kg	6100-SED27A
BG516	Sediment	04/27/2021	1	7440-28-0	Thallium	7.8	U	UJ	7.8	mg/kg	6100-SED27A
BG516	Sediment	04/27/2021	1	7440-62-2	Vanadium	48		J	16	mg/kg	6100-SED27A
BG516	Sediment	04/27/2021	1	7440-66-6	Zinc	290	*	J	19	mg/kg	6100-SED27A
BG597	Sediment	04/27/2021	1	7429-90-5	Aluminum	10000			25	mg/kg	6100-SED14A
BG597	Sediment	04/27/2021	1	7440-36-0	Antimony	1.2	J*	J-	7.5	mg/kg	6100-SED14A
BG597	Sediment	04/27/2021	1	7440-38-2	Arsenic	6.1			1.3	mg/kg	6100-SED14A
BG597	Sediment	04/27/2021	1	7440-39-3	Barium	95			25	mg/kg	6100-SED14A
BG597	Sediment	04/27/2021	1	7440-41-7	Beryllium	0.43	J	J	0.63	mg/kg	6100-SED14A
BG597	Sediment	04/27/2021	1	7440-43-9	Cadmium	0.31	J	J	0.63	mg/kg	6100-SED14A
BG597	Sediment	04/27/2021	1	7440-70-2	Calcium	1600			630	mg/kg	6100-SED14A
BG597	Sediment	04/27/2021	1	7440-47-3	Chromium	19			1.3	mg/kg	6100-SED14A
BG597	Sediment	04/27/2021	1	7440-48-4	Cobalt	5.4	J	J	6.3	mg/kg	6100-SED14A
BG597	Sediment	04/27/2021	1	7440-50-8	Copper	56			3.1	mg/kg	6100-SED14A
BG597	Sediment	04/27/2021	1	7439-89-6	Iron	16000			13	mg/kg	6100-SED14A
BG597	Sediment	04/27/2021	1	7439-92-1	Lead	250			1.3	mg/kg	6100-SED14A
BG597	Sediment	04/27/2021	1	7439-95-4	Magnesium	2700	*		630	mg/kg	6100-SED14A
BG597	Sediment	04/27/2021	1	7439-96-5	Manganese	170	*	J	1.9	mg/kg	6100-SED14A
BG597	Sediment	04/27/2021	1	7440-02-0	Nickel	24			5.0	mg/kg	6100-SED14A
BG597	Sediment	04/27/2021	1	7440-09-7	Potassium	990			630	mg/kg	6100-SED14A
BG597	Sediment	04/27/2021	1	7782-49-2	Selenium	1.1	J	J	4.4	mg/kg	6100-SED14A
BG597	Sediment	04/27/2021	1	7440-22-4	Silver	1.3	U	U	1.3	mg/kg	6100-SED14A
BG597	Sediment	04/27/2021	1	7440-23-5	Sodium	2300			630	mg/kg	6100-SED14A
BG597	Sediment	04/27/2021	1	7440-28-0	Thallium	3.1	U	U	3.1	mg/kg	6100-SED14A
BG597	Sediment	04/27/2021	1	7440-62-2	Vanadium	27			6.3	mg/kg	6100-SED14A
BG597	Sediment	04/27/2021	1	7440-66-6	Zinc	210	*	J	7.5	mg/kg	6100-SED14A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG5A0	Sediment	04/27/2021	1	7429-90-5	Aluminum	16000		J	48	mg/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1	7440-36-0	Antimony	14	U*	UJ	14	mg/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1	7440-38-2	Arsenic	9.0		J	2.4	mg/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1	7440-39-3	Barium	56		J	48	mg/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1	7440-41-7	Beryllium	0.71	J	J	1.2	mg/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1	7440-43-9	Cadmium	0.47	J	J	1.2	mg/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1	7440-70-2	Calcium	1900		J	1200	mg/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1	7440-47-3	Chromium	33		J	2.4	mg/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1	7440-48-4	Cobalt	8.3	J	J	12	mg/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1	7440-50-8	Copper	44		J	5.9	mg/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1	7439-89-6	Iron	27000		J	24	mg/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1	7439-92-1	Lead	88		J	2.4	mg/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1	7439-95-4	Magnesium	6100	*	J	1200	mg/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1	7439-96-5	Manganese	250	*	J	3.6	mg/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1	7440-02-0	Nickel	28		J	9.5	mg/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1	7440-09-7	Potassium	3900		J	1200	mg/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1	7782-49-2	Selenium	1.9	J	J	8.3	mg/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1	7440-22-4	Silver	2.4	U	UJ	2.4	mg/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1	7440-23-5	Sodium	10000		J	1200	mg/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1	7440-28-0	Thallium	5.9	U	UJ	5.9	mg/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1	7440-62-2	Vanadium	39		J	12	mg/kg	6100-SED15A
BG5A0	Sediment	04/27/2021	1	7440-66-6	Zinc	130	*	J	14	mg/kg	6100-SED15A
BG5A1	Sediment	04/27/2021	1	7429-90-5	Aluminum	7900			27	mg/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1	7440-36-0	Antimony	8.0	U*	U	8.0	mg/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1	7440-38-2	Arsenic	6.1			1.3	mg/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1	7440-39-3	Barium	27	J	U	27	mg/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1	7440-41-7	Beryllium	0.39	J	J	0.67	mg/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1	7440-43-9	Cadmium	0.23	J	J	0.67	mg/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1	7440-70-2	Calcium	1000			670	mg/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1	7440-47-3	Chromium	17			1.3	mg/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1	7440-48-4	Cobalt	4.6	J	J	6.7	mg/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1	7440-50-8	Copper	6.4			3.3	mg/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1	7439-89-6	Iron	18000			13	mg/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1	7439-92-1	Lead	7.8			1.3	mg/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1	7439-95-4	Magnesium	3100	*		670	mg/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1	7439-96-5	Manganese	170	*		2.0	mg/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1	7440-02-0	Nickel	14			5.3	mg/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1	7440-09-7	Potassium	2000			670	mg/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1	7782-49-2	Selenium	0.76	J	J	4.7	mg/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1	7440-22-4	Silver	1.3	U	U	1.3	mg/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1	7440-23-5	Sodium	3100			670	mg/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1	7440-28-0	Thallium	3.3	U	U	3.3	mg/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1	7440-62-2	Vanadium	20			6.7	mg/kg	6100-SED15B
BG5A1	Sediment	04/27/2021	1	7440-66-6	Zinc	40	*		8.0	mg/kg	6100-SED15B
BG5A3	Sediment	04/27/2021	1	7429-90-5	Aluminum	3500			27	mg/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1	7440-36-0	Antimony	8.0	U*	U	8.0	mg/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1	7440-38-2	Arsenic	5.7			1.3	mg/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1	7440-39-3	Barium	27	J	U	27	mg/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1	7440-41-7	Beryllium	0.26	J	J	0.67	mg/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1	7440-43-9	Cadmium	0.24	J	J	0.67	mg/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1	7440-70-2	Calcium	1900			670	mg/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1	7440-47-3	Chromium	16			1.3	mg/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1	7440-48-4	Cobalt	2.3	J	J	6.7	mg/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1	7440-50-8	Copper	34			3.3	mg/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1	7439-89-6	Iron	9600			13	mg/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1	7439-92-1	Lead	70			1.3	mg/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1	7439-95-4	Magnesium	2100	*		670	mg/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1	7439-96-5	Manganese	55	*		2.0	mg/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1	7440-02-0	Nickel	7.0			5.3	mg/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1	7440-09-7	Potassium	1300			670	mg/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1	7782-49-2	Selenium	4.7	U	U	4.7	mg/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1	7440-22-4	Silver	1.3	U	U	1.3	mg/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1	7440-23-5	Sodium	2400			670	mg/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1	7440-28-0	Thallium	3.3	U	U	3.3	mg/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1	7440-62-2	Vanadium	13			6.7	mg/kg	6100-SED16A
BG5A3	Sediment	04/27/2021	1	7440-66-6	Zinc	84	*		8.0	mg/kg	6100-SED16A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG5A6	Sediment	04/27/2021	1	7429-90-5	Aluminum	10000		J	47	mg/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1	7440-36-0	Antimony	2.3	J*	J	14	mg/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1	7440-38-2	Arsenic	26		J	2.4	mg/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1	7440-39-3	Barium	100		J	47	mg/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1	7440-41-7	Beryllium	0.53	J	J	1.2	mg/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1	7440-43-9	Cadmium	1.5		J	1.2	mg/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1	7440-70-2	Calcium	11000		J	1200	mg/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1	7440-47-3	Chromium	68		J	2.4	mg/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1	7440-48-4	Cobalt	8.7	J	J	12	mg/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1	7440-50-8	Copper	250		J	5.9	mg/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1	7439-89-6	Iron	23000		J	24	mg/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1	7439-92-1	Lead	510		J	2.4	mg/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1	7439-95-4	Magnesium	9200	*	J	1200	mg/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1	7439-96-5	Manganese	160	*	J	3.5	mg/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1	7440-02-0	Nickel	32		J	9.5	mg/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1	7440-09-7	Potassium	2400		J	1200	mg/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1	7782-49-2	Selenium	2.2	J	J	8.3	mg/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1	7440-22-4	Silver	0.74	J	J	2.4	mg/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1	7440-23-5	Sodium	10000		J	1200	mg/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1	7440-28-0	Thallium	5.9	U	UJ	5.9	mg/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1	7440-62-2	Vanadium	43		J	12	mg/kg	6100-SED17A
BG5A6	Sediment	04/27/2021	1	7440-66-6	Zinc	740	*	J	14	mg/kg	6100-SED17A
BG5A9	Sediment	04/27/2021	1	7429-90-5	Aluminum	2400			24	mg/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1	7440-36-0	Antimony	7.3	U*	U	7.3	mg/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1	7440-38-2	Arsenic	2.0			1.2	mg/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1	7440-39-3	Barium	24	J	U	24	mg/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1	7440-41-7	Beryllium	0.17	J	J	0.61	mg/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1	7440-43-9	Cadmium	0.20	J	J	0.61	mg/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1	7440-70-2	Calcium	1800			610	mg/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1	7440-47-3	Chromium	13			1.2	mg/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1	7440-48-4	Cobalt	1.2	J	J	6.1	mg/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1	7440-50-8	Copper	12			3.1	mg/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1	7439-89-6	Iron	6200			12	mg/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1	7439-92-1	Lead	23			1.2	mg/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1	7439-95-4	Magnesium	1200	*		610	mg/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1	7439-96-5	Manganese	22	*		1.8	mg/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1	7440-02-0	Nickel	2.8	J	J	4.9	mg/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1	7440-09-7	Potassium	1300			610	mg/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1	7782-49-2	Selenium	0.64	J	J	4.3	mg/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1	7440-22-4	Silver	1.2	U	U	1.2	mg/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1	7440-23-5	Sodium	2200			610	mg/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1	7440-28-0	Thallium	3.1	U	U	3.1	mg/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1	7440-62-2	Vanadium	9.7			6.1	mg/kg	6100-SED18A
BG5A9	Sediment	04/27/2021	1	7440-66-6	Zinc	40	*		7.3	mg/kg	6100-SED18A
BG5B2	Sediment	04/27/2021	1	7429-90-5	Aluminum	14000		J	55	mg/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1	7440-36-0	Antimony	2.3	J*	J	16	mg/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1	7440-38-2	Arsenic	18		J	2.7	mg/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1	7440-39-3	Barium	120		J	55	mg/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1	7440-41-7	Beryllium	0.66	J	J	1.4	mg/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1	7440-43-9	Cadmium	2.7		J	1.4	mg/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1	7440-70-2	Calcium	16000		J	1400	mg/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1	7440-47-3	Chromium	95		J	2.7	mg/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1	7440-48-4	Cobalt	9.8	J	J	14	mg/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1	7440-50-8	Copper	310		J	6.9	mg/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1	7439-89-6	Iron	31000		J	27	mg/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1	7439-92-1	Lead	470		J	2.7	mg/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1	7439-95-4	Magnesium	12000	*	J	1400	mg/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1	7439-96-5	Manganese	280	*	J	4.1	mg/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1	7440-02-0	Nickel	42		J	11	mg/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1	7440-09-7	Potassium	3300		J	1400	mg/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1	7782-49-2	Selenium	2.4	J	J	9.6	mg/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1	7440-22-4	Silver	1.8	J	J	2.7	mg/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1	7440-23-5	Sodium	7800		J	1400	mg/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1	7440-28-0	Thallium	6.9	U	UJ	6.9	mg/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1	7440-62-2	Vanadium	60		J	14	mg/kg	6100-SED19A
BG5B2	Sediment	04/27/2021	1	7440-66-6	Zinc	970	*	J	16	mg/kg	6100-SED19A

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG5B5	Sediment	04/27/2021	1	7429-90-5	Aluminum	5100			28	mg/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1	7440-36-0	Antimony	1.4	J*	J	8.3	mg/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1	7440-38-2	Arsenic	6.2			1.4	mg/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1	7440-39-3	Barium	28	J	U	28	mg/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1	7440-41-7	Beryllium	0.41	J	J	0.69	mg/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1	7440-43-9	Cadmium	0.72			0.69	mg/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1	7440-70-2	Calcium	4300			690	mg/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1	7440-47-3	Chromium	84			1.4	mg/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1	7440-48-4	Cobalt	2.6	J	J	6.9	mg/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1	7440-50-8	Copper	55			3.5	mg/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1	7439-89-6	Iron	27000			14	mg/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1	7439-92-1	Lead	97			1.4	mg/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1	7439-95-4	Magnesium	3200	*		690	mg/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1	7439-96-5	Manganese	140	*		2.1	mg/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1	7440-02-0	Nickel	9.2			5.5	mg/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1	7440-09-7	Potassium	2300			690	mg/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1	7782-49-2	Selenium	1.1	J	J	4.8	mg/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1	7440-22-4	Silver	1.4	U	U	1.4	mg/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1	7440-23-5	Sodium	3600			690	mg/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1	7440-28-0	Thallium	3.5	U	U	3.5	mg/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1	7440-62-2	Vanadium	21			6.9	mg/kg	6100-SED20A
BG5B5	Sediment	04/27/2021	1	7440-66-6	Zinc	190	*		8.3	mg/kg	6100-SED20A
LCS01		05/05/2021	1	7429-90-5	Aluminum	41			20	mg/kg	
LCS01		05/05/2021	1	7440-36-0	Antimony	11			6.0	mg/kg	
LCS01		05/05/2021	1	7440-38-2	Arsenic	1.8			1.0	mg/kg	
LCS01		05/05/2021	1	7440-39-3	Barium	40		J+	20	mg/kg	
LCS01		05/05/2021	1	7440-41-7	Beryllium	0.96			0.50	mg/kg	
LCS01		05/05/2021	1	7440-43-9	Cadmium	0.99			0.50	mg/kg	
LCS01		05/05/2021	1	7440-70-2	Calcium	1000			500	mg/kg	
LCS01		05/05/2021	1	7440-47-3	Chromium	2.1			1.0	mg/kg	
LCS01		05/05/2021	1	7440-48-4	Cobalt	10			5.0	mg/kg	
LCS01		05/05/2021	1	7440-50-8	Copper	4.7			2.5	mg/kg	
LCS01		05/05/2021	1	7439-89-6	Iron	20		J+	10	mg/kg	
LCS01		05/05/2021	1	7439-92-1	Lead	2.0			1.0	mg/kg	
LCS01		05/05/2021	1	7439-95-4	Magnesium	950		J+	500	mg/kg	
LCS01		05/05/2021	1	7439-96-5	Manganese	3.1		J+	1.5	mg/kg	
LCS01		05/05/2021	1	7440-02-0	Nickel	8.2			4.0	mg/kg	
LCS01		05/05/2021	1	7440-09-7	Potassium	950		J+	500	mg/kg	
LCS01		05/05/2021	1	7782-49-2	Selenium	6.4			3.5	mg/kg	
LCS01		05/05/2021	1	7440-22-4	Silver	1.9			1.0	mg/kg	
LCS01		05/05/2021	1	7440-23-5	Sodium	960		J+	500	mg/kg	
LCS01		05/05/2021	1	7440-28-0	Thallium	4.6			2.5	mg/kg	
LCS01		05/05/2021	1	7440-62-2	Vanadium	9.9			5.0	mg/kg	
LCS01		05/05/2021	1	7440-66-6	Zinc	12			6.0	mg/kg	
BG597S	Sediment	04/27/2021	1	7440-36-0	Antimony	11	*		7.5	mg/kg	6100-SED14A
BG597S	Sediment	04/27/2021	1	7440-38-2	Arsenic	15			1.3	mg/kg	6100-SED14A
BG597S	Sediment	04/27/2021	1	7440-39-3	Barium	550		J+	25	mg/kg	6100-SED14A
BG597S	Sediment	04/27/2021	1	7440-41-7	Beryllium	11			0.63	mg/kg	6100-SED14A
BG597S	Sediment	04/27/2021	1	7440-43-9	Cadmium	11			0.63	mg/kg	6100-SED14A
BG597S	Sediment	04/27/2021	1	7440-47-3	Chromium	68			1.3	mg/kg	6100-SED14A
BG597S	Sediment	04/27/2021	1	7440-48-4	Cobalt	120			6.3	mg/kg	6100-SED14A
BG597S	Sediment	04/27/2021	1	7440-50-8	Copper	110			3.1	mg/kg	6100-SED14A
BG597S	Sediment	04/27/2021	1	7439-92-1	Lead	220		J+	1.3	mg/kg	6100-SED14A
BG597S	Sediment	04/27/2021	1	7439-96-5	Manganese	300		J+	1.9	mg/kg	6100-SED14A
BG597S	Sediment	04/27/2021	1	7440-02-0	Nickel	150			5.0	mg/kg	6100-SED14A
BG597S	Sediment	04/27/2021	1	7782-49-2	Selenium	21			4.4	mg/kg	6100-SED14A
BG597S	Sediment	04/27/2021	1	7440-22-4	Silver	11			1.3	mg/kg	6100-SED14A
BG597S	Sediment	04/27/2021	1	7440-28-0	Thallium	9.9			3.1	mg/kg	6100-SED14A
BG597S	Sediment	04/27/2021	1	7440-62-2	Vanadium	140			6.3	mg/kg	6100-SED14A
BG597S	Sediment	04/27/2021	1	7440-66-6	Zinc	370	*		7.5	mg/kg	6100-SED14A
PBS01		05/05/2021	1	7429-90-5	Aluminum	14	J	J	20	mg/kg	
PBS01		05/05/2021	1	7440-36-0	Antimony	6.0	U	U	6.0	mg/kg	
PBS01		05/05/2021	1	7440-38-2	Arsenic	1.0	U	U	1.0	mg/kg	
PBS01		05/05/2021	1	7440-39-3	Barium	20	U	U	20	mg/kg	
PBS01		05/05/2021	1	7440-41-7	Beryllium	0.50	U	U	0.50	mg/kg	
PBS01		05/05/2021	1	7440-43-9	Cadmium	0.50	U	U	0.50	mg/kg	

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PBS01		05/05/2021	1	7440-70-2	Calcium	31	J	J	500	mg/kg	
PBS01		05/05/2021	1	7440-47-3	Chromium	1.0	U	U	1.0	mg/kg	
PBS01		05/05/2021	1	7440-48-4	Cobalt	5.0	U	U	5.0	mg/kg	
PBS01		05/05/2021	1	7440-50-8	Copper	2.5	U	U	2.5	mg/kg	
PBS01		05/05/2021	1	7439-89-6	Iron	10	U	U	10	mg/kg	
PBS01		05/05/2021	1	7439-92-1	Lead	0.20	J	J	1.0	mg/kg	
PBS01		05/05/2021	1	7439-95-4	Magnesium	3.5	J	J	500	mg/kg	
PBS01		05/05/2021	1	7439-96-5	Manganese	1.5	U	U	1.5	mg/kg	
PBS01		05/05/2021	1	7440-02-0	Nickel	4.0	U	U	4.0	mg/kg	
PBS01		05/05/2021	1	7440-09-7	Potassium	500	U	U	500	mg/kg	
PBS01		05/05/2021	1	7782-49-2	Selenium	3.5	U	U	3.5	mg/kg	
PBS01		05/05/2021	1	7440-22-4	Silver	1.0	U	U	1.0	mg/kg	
PBS01		05/05/2021	1	7440-23-5	Sodium	500	U	U	500	mg/kg	
PBS01		05/05/2021	1	7440-28-0	Thallium	2.5	U	U	2.5	mg/kg	
PBS01		05/05/2021	1	7440-62-2	Vanadium	5.0	U	U	5.0	mg/kg	
PBS01		05/05/2021	1	7440-66-6	Zinc	6.0	U	U	6.0	mg/kg	
BG597A	Sediment	04/27/2021	1	7440-36-0	Antimony	14			7.5	mg/kg	6100-SED14A
BG597A	Sediment	04/27/2021	1	7440-66-6	Zinc	670			7.5	mg/kg	6100-SED14A
BG597D	Sediment	04/27/2021	1	7439-97-6	Mercury	0.28		J-	0.13	mg/kg	6100-SED14A
BG516	Sediment	04/27/2021	1	7439-97-6	Mercury	1.9		J-	0.32	mg/kg	6100-SED27A
BG597	Sediment	04/27/2021	1	7439-97-6	Mercury	0.22		J-	0.13	mg/kg	6100-SED14A
BG5A0	Sediment	04/27/2021	1	7439-97-6	Mercury	0.19	J	J-	0.22	mg/kg	6100-SED15A
BG5A1	Sediment	04/27/2021	1	7439-97-6	Mercury	0.0086	J	J-	0.13	mg/kg	6100-SED15B
BG5A3	Sediment	04/27/2021	1	7439-97-6	Mercury	0.073	J	J-	0.13	mg/kg	6100-SED16A
BG5A6	Sediment	04/27/2021	1	7439-97-6	Mercury	0.17	J	J-	0.23	mg/kg	6100-SED17A
BG5A9	Sediment	04/27/2021	1	7439-97-6	Mercury	0.29		J-	0.13	mg/kg	6100-SED18A
BG5B2	Sediment	04/27/2021	1	7439-97-6	Mercury	0.067	J	J-	0.29	mg/kg	6100-SED19A
BG5B5	Sediment	04/27/2021	1	7439-97-6	Mercury	0.30		J-	0.14	mg/kg	6100-SED20A
BG597S	Sediment	04/27/2021	1	7439-97-6	Mercury	0.87		J-	0.13	mg/kg	6100-SED14A
PBS01		05/04/2021	1	7439-97-6	Mercury	-0.0088	J	J-	0.10	mg/kg	
BG597D	Sediment	04/27/2021	1	57-12-5	Cyanide	0.62	U	U	0.62	mg/kg	6100-SED14A
BG516	Sediment	04/27/2021	1	57-12-5	Cyanide	1.5	U*	UJ	1.5	mg/kg	6100-SED27A
BG597	Sediment	04/27/2021	1	57-12-5	Cyanide	0.62	U*	UJ	0.62	mg/kg	6100-SED14A
BG5A0	Sediment	04/27/2021	1	57-12-5	Cyanide	1.2	U*	UJ	1.2	mg/kg	6100-SED15A
BG5A1	Sediment	04/27/2021	1	57-12-5	Cyanide	0.62	U*	U	0.62	mg/kg	6100-SED15B
BG5A3	Sediment	04/27/2021	1	57-12-5	Cyanide	0.64	U*	U	0.64	mg/kg	6100-SED16A
BG5A6	Sediment	04/27/2021	1	57-12-5	Cyanide	1.2	U*	UJ	1.2	mg/kg	6100-SED17A
BG5A9	Sediment	04/27/2021	1	57-12-5	Cyanide	0.65	U*	U	0.65	mg/kg	6100-SED18A
BG5B2	Sediment	04/27/2021	1	57-12-5	Cyanide	1.5	U*	UJ	1.5	mg/kg	6100-SED19A
BG5B5	Sediment	04/27/2021	1	57-12-5	Cyanide	0.70	U*	U	0.70	mg/kg	6100-SED20A
BG597S	Sediment	04/27/2021	1	57-12-5	Cyanide	4.1	*		0.62	mg/kg	6100-SED14A
PBS01		05/06/2021	1	57-12-5	Cyanide	0.50	U	U	0.50	mg/kg	
BG597A	Sediment	04/27/2021	1	57-12-5	Cyanide	2.9			0.62	mg/kg	6100-SED14A

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
LSASD/HWSB/HWSS
2890 Woodbridge Avenue, Edison, NJ 08837

EXECUTIVE NARRATIVE

Case No.:49391
Site: Coney Island Creek
Number of Samples: 14 (Surface Water)
Analysis: CN

SDG No.: BG528
Laboratory: Bonner Analytical Testing Co.
Sampling dates: 04/13/2021-04/15/2021
Validation SOP: HW-3c (Rev 1)

QAPP
Contractor: Weston Solutions
Reference: DCN SAT-V.6102.0022, April 1, 2021

SUMMARY OF DEFINITIONS:

Critical: Results have an unacceptable level of uncertainty and should not be used for making decisions. Data have been qualified "R" rejected.
Major: A level of uncertainty exists that may not meet the data quality objectives for the project. A bias is likely to be present in the results. Data has been qualified "J" estimated. "J+" and "J-" represent likely direction of the bias.
Minor: The level of uncertainty is acceptable. No significant bias in the data was observed.

Critical Findings:
None

Major Findings:
Samples BG534, BG545 and BG546 have analytes that have been qualified J, J+ or J-.

Minor Findings:
"M" is applied to all deliverable files of this SDG only to flag that the data are inorganic. One or more analytes in one or more samples are qualified "J" due to results between MDL and CRQL.

COMMENT: Per request in ARF, summary reports were created using RSL-MCL (ug/L).

Reviewer Name(s): Israel Okwuonu

Approver's Signature: **Date: 05/25/2021**

Name: Russell Arnone

Affiliation: USEPA/R2/HWSB/HWSS

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
LSASD/HWSB/HWSS
2890 Woodbridge Avenue, Edison, NJ 08837

Data Qualifier Definitions (National Functional Guidelines)			
Qualifier Symbol	**Explanation**		
	INORGANICS	**ORGANICS**	**CHLORINATED DIOXIN/FURAN**
U	The analyte was analyzed for, but was not detected above the level of the reported quantitation limit.	The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted Contract Required Quantitation Limit (CRQL) for sample and method	The analyte was analyzed for but not detected. The value preceding the "U" may represent the adjusted Contract Required Quantitation Limit (see DLM02.X, Exhibit D, Section 1.2 and Table 2), or the sample specific estimated detection limit (EDL, see Method 8290A, Section 11.9.5).
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to an issue with the quality of the data generated because certain QC criteria were not met, or the concentration of the analyte was below the adjusted CRQL).
J+	The result is an estimated quantity, but the result may be biased high.	The result is an estimated quantity, but the result may be biased high.	
J–	The result is an estimated quantity, but the result may be biased low.	The result is an estimated quantity, but the result may be biased low.	
UJ	The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.	The analyte was not detected at a level greater than or equal to the adjusted CRQL. However, the reported adjusted CRQL is approximate and may be inaccurate or imprecise.	The analyte was not detected (see definition of "U" flag, above). The reported value should be considered approximate.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
N		The analysis indicates the presence of an analyte for which there is presumptive evidence to make a “tentative identification”.	
NJ		The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	
C		This qualifier applies to pesticide and Aroclor results when the identification has been confirmed by Gas Chromatograph/Mass Spectrometer (GC/MS).	
X		This qualifier applies to pesticide and Aroclor results when GC/MS analysis was attempted but was unsuccessful.	

DATA ASSESSMENT

ANALYSIS: CYANIDE

The current SOP HW-3c (Rev 1) September 2016, USEPA Region II for the evaluation of Cyanide data, and all related Change Request Forms (CRF) for this SOP, generated through Statement of Work SFAM01.1, and any future editorial revisions of SFAM01.1 has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report.

1. HOLDING TIME AND PRESERVATION

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time, pH (aqueous samples), or cooler temperature are not within the acceptable range, the data may not be valid. Those analytes detected in the samples whose holding time (14 days) and pH (≥12) have not been met, will be qualified as estimated, "J"; the non-detects (sample quantitation limits) will be flagged as unusable, "R". Qualifications were applied to the samples and analytes as shown below.

The following samples are received at temperature > 10°C (14°C). Detects are qualified as estimated J-. Non-detects are qualified R.

BG534, BG545, BG546

2. CALIBRATION

Method requirements for satisfactory instrument calibration are established to ensure that the instrument is capable of producing acceptable quantitative data for cyanide. Initial Calibration Verification (ICV) demonstrates that the instrument is capable of acceptable performance at the beginning of the analytical run. Continuing Calibration Verification (CCV) demonstrates that the initial calibration is still valid by checking the performance of the instrument on a continuing basis.

A) INITIAL CALIBRATION

A blank and at least five calibration standards shall be employed to establish the analytical curve. At least one of the calibration standards shall be at or below the Contract Required Quantitation Limit (CRQL). The calibration curve shall be fitted using linear regression or weighted linear regression. The curve may be forced through zero. The calibration curve for cyanide shall possess a correlation coefficient of ≥ 0.995 to ensure the linearity over the calibrated range. The percent differences calculated for all of the non-zero standards must be within ±30% of the true value of the standard. The y-intercept of the curve must be less than the CRQL. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) INITIAL AND CONTINUING CALIBRATION VERIFICATION

Immediately after each system has been calibrated, the accuracy of the initial calibration must be verified and documented for cyanide by the analysis of an ICV solution(s).

The CCV standard shall be analyzed at a frequency of every hour during an analytical run. The CCV standard shall also be analyzed at the beginning of the run, and again after the last analytical sample. The percent recovery acceptable limits for ICV/CCV are 85 – 115%. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

3. BLANK CONTAMINATION

Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure cross-contamination of samples during field operations. Qualifications were applied to the samples and analytes as shown below.

The following samples have analyte results less than the CRQLs. The associated CCB analyte results are less than the CRQLs. Detects are qualified as U. Sample results are reported at CRQLs.

Cyanide BG539, BG548

The following samples have analyte results less than the CRQLs. The associated ICB analyte results are less than the CRQLs. Detects are qualified as U. Sample results are reported at CRQLs.

Cyanide BG539, BG548

Field Blank BG545, BG546

No qualification is required due to field blank contamination.

4. SPIKE SAMPLE ANALYSIS

The spiked sample analysis is designed to provide information about the effect of each sample matrix on the sample preparation procedures and the measurement methodology. The spike Percent Recovery (%R) shall be within the established acceptance limits of 75 – 125%. However, spike recovery limits do not apply when the sample concentration is ≥ 4x the spike added. For a matrix spike analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the matrix spike sample.

No problems were found for this criterion.

5. DUPLICATE SAMPLE ANALYSIS

The objective of duplicate sample analysis is to demonstrate acceptable method precision by the laboratory at the time of analysis. A control limit of 20% for the Relative Percent Difference (RPD) shall be used for original and duplicate sample values ≥ five times (5x) the Contract Required Quantitation Limit (CRQL). A control limit of the CRQL shall be used if either the sample or duplicate value is < 5x the CRQL. For a duplicate sample analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the duplicate sample.

No problems were found for this criterion.

6. FIELD DUPLICATE BG530/BG548

Field duplicates may be taken and analyzed as an indication of overall precision. These analyses measure both field and laboratory precision. A control limit of 20% for the Relative Percent Difference (RPD) shall be used for original and duplicate sample values ≥ five times (5x) the Contract Required Quantitation Limit (CRQL). A control limit of the CRQL shall be used if either the sample or duplicate value is < 5x the CRQL. For field duplicates analysis that does not meet the technical criteria, the action was applied to only the field sample and it's duplicate.

No problems were found for this criterion.

7. PERCENT SOLIDS

The laboratory is required to perform the percent solids determination prior to sample preparation and analysis. Qualifications were applied to the samples and analytes as shown below.

Not applicable.

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG528** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SW01

Sample Number: BG528	Method: Cyanide	Matrix: Water	MA Number:
Sample Location: SED01/SW01	pH: 13.	Sample Date: 04/13/2021	Sample Time: 11:40:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	5.2	J	ug/L	5.2	J	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG528** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: BG528D	Method: Cyanide	Matrix: Water	MA Number:
Sample Location:	pH: 13.	Sample Date: 04/13/2021	Sample Time: 11:40:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	10	U	ug/L	10	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG528** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: BG528S	Method: Cyanide	Matrix: Water	MA Number:
Sample Location:	pH: 13.	Sample Date: 04/13/2021	Sample Time: 11:40:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Spike	110		ug/L	110		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG528** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SW04

Sample Number: BG529	Method: Cyanide	Matrix: Water	MA Number:
Sample Location: SED04/SW04	pH: 13.	Sample Date: 04/13/2021	Sample Time: 12:05:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	5.0	J	ug/L	5.0	J	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG528** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SW09

Sample Number: BG530	Method: Cyanide	Matrix: Water	MA Number:
Sample Location: SED09/SW09	pH: 13.	Sample Date: 04/14/2021	Sample Time: 08:40:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	10	U	ug/L	10	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG528** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SW11

Sample Number: BG531	Method: Cyanide	Matrix: Water	MA Number:
Sample Location: SED11/SW11	pH: 13.	Sample Date: 04/14/2021	Sample Time: 09:10:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	10	U	ug/L	10	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project | **GroupID: 49391/68HERH20D0009/BG528** | **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SW13

Sample Number: BG532	Method: Cyanide	Matrix: Water	MA Number:
Sample Location: SED13/SW13	pH: 13.	Sample Date: 04/14/2021	Sample Time: 09:30:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	10	U	ug/L	10	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG528** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SW14

Sample Number: BG533	Method: Cyanide	Matrix: Water	MA Number:
Sample Location: SED14/SW14	pH: 13.	Sample Date: 04/14/2021	Sample Time: 09:50:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	6.2	J	ug/L	6.2	J	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG528** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SW20

Sample Number: BG534	Method: Cyanide	Matrix: Water	MA Number:
Sample Location: SED21/SW21	pH: 13.	Sample Date: 04/15/2021	Sample Time: 10:20:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	40	J-	ug/L	40		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project | **GroupID: 49391/68HERH20D0009/BG528** | **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SW22

Sample Number: BG536	Method: Cyanide	Matrix: Water	MA Number:
Sample Location: SED22/SW22	pH: 13.	Sample Date: 04/13/2021	Sample Time: 10:10:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	10	U	ug/L	10	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG528** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SW23

Sample Number: BG537	Method: Cyanide	Matrix: Water	MA Number:
Sample Location: SED23/SW23	pH: 13.	Sample Date: 04/13/2021	Sample Time: 09:55:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	5.1	J	ug/L	5.1	J	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG528** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SW24

Sample Number: BG538	Method: Cyanide	Matrix: Water	MA Number:
Sample Location: SED24/SW24	pH: 13.	Sample Date: 04/13/2021	Sample Time: 09:40:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	10	U	ug/L	10	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG528** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SW25

Sample Number: BG539	Method: Cyanide	Matrix: Water	MA Number:
Sample Location: SED25/SW25	pH: 13.	Sample Date: 04/13/2021	Sample Time: 10:50:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	10	U	ug/L	6.0	J	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG528** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-RIN01

Sample Number: BG545	Method: Cyanide	Matrix: Water	MA Number:
Sample Location: N/A	pH: 13.	Sample Date: 04/15/2021	Sample Time: 08:30:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	5.7	J-	ug/L	5.7	J	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG528** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-RIN02

Sample Number: BG546	Method: Cyanide	Matrix: Water	MA Number:
Sample Location: N/A	pH: 13.	Sample Date: 04/15/2021	Sample Time: 08:15:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	5.0	J-	ug/L	5.0	J	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project | **GroupID: 49391/68HERH20D0009/BG528** | **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SW26

Sample Number: BG548	Method: Cyanide	Matrix: Water	MA Number:
Sample Location: SED09/SW09	pH: 13.	Sample Date: 04/14/2021	Sample Time: 08:45:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	10	U	ug/L	6.1	J	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG528** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: PBW01	Method: Cyanide	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	10	U	ug/L	10	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG528** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: PBW02	Method: Cyanide	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Cyanide	Target	10	U	ug/L	10	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG528** **Lab Name: Bonner Analytical Testing Co.**

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG528D		04/13/2021	1	57-12-5	Cyanide	10	U	U	10	ug/L	
BG528		04/13/2021	1	57-12-5	Cyanide	5.2	J	J	10	ug/L	6100-SW01
BG529		04/13/2021	1	57-12-5	Cyanide	5.0	J	J	10	ug/L	6100-SW04
BG530		04/14/2021	1	57-12-5	Cyanide	10	U	U	10	ug/L	6100-SW09
BG531		04/14/2021	1	57-12-5	Cyanide	10	U	U	10	ug/L	6100-SW11
BG532		04/14/2021	1	57-12-5	Cyanide	10	U	U	10	ug/L	6100-SW13
BG533		04/14/2021	1	57-12-5	Cyanide	6.2	J	J	10	ug/L	6100-SW14
BG534		04/15/2021	1	57-12-5	Cyanide	40		J-	10	ug/L	6100-SW20
BG536		04/13/2021	1	57-12-5	Cyanide	10	U	U	10	ug/L	6100-SW22
BG537		04/13/2021	1	57-12-5	Cyanide	5.1	J	J	10	ug/L	6100-SW23
BG538		04/13/2021	1	57-12-5	Cyanide	10	U	U	10	ug/L	6100-SW24
BG539		04/13/2021	1	57-12-5	Cyanide	10	J	U	10	ug/L	6100-SW25
BG545		04/15/2021	1	57-12-5	Cyanide	5.7	J	J-	10	ug/L	6100-RIN01
BG546		04/15/2021	1	57-12-5	Cyanide	5.0	J	J-	10	ug/L	6100-RIN02
BG548		04/14/2021	1	57-12-5	Cyanide	10	J	U	10	ug/L	6100-SW26
BG528S		04/13/2021	1	57-12-5	Cyanide	110			10	ug/L	
PBW01		04/23/2021	1	57-12-5	Cyanide	10	U	U	10	ug/L	
PBW02		04/23/2021	1	57-12-5	Cyanide	10	U	U	10	ug/L	

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
LSASD/HWSB/HWSS
2890 Woodbridge Avenue, Edison, NJ 08837

EXECUTIVE NARRATIVE

Case No.:49391
Site: Coney Island Creek
Number of Samples: 14 (Water)
Analysis: Metals (ICP-AES) and Hg

SDG No.: BG529
Laboratory: Bonner Analytical Testing Co.
Sampling dates: 04/13/2021 – 04/15/2021
Validation SOP: HW-3a and -3b (Rev 1)

QAPP
Contractor: Weston Solutions, Inc
Reference: DCN**:** SAT-V.6102.0022, April 1, 2021

SUMMARY OF DEFINITIONS:

Critical: Results have an unacceptable level of uncertainty and should not be used for making decisions. Data have been qualified "R" rejected.
Major: A level of uncertainty exists that may not meet the data quality objectives for the project. A bias is likely to be present in the results. Data has been qualified "J" estimated. "J+" and "J-" represent likely direction of the bias.
Minor: The level of uncertainty is acceptable. No significant bias in the data was observed.

Critical Findings:
None

Major Findings:
Following Samples have analytes that have been qualified J, J+ or J-.
Metals BG528
Hg BG528, BG529, BG530, BG531, BG532, BG533, BG534, BG536, BG537

Minor Findings:
"M" is applied to all deliverable files of this SDG only to flag that the data are inorganic. One or more analytes in one or more samples are qualified "J" due to results between MDL and CRQL.

COMMENT:	Per request in ARF, summary reports were created using RSL-MCL (ug/L). **Metals:** One or more detected and non-detected analyte results exceeded the RSL-MCL (ug/L) for one or more samples.

Reviewer Name(s): Jianwei Huang

Approver's Signature: **Date: 06/10/2021**

Name: Russell Arnone

Affiliation: USEPA/R2/HWSB/HWSS

Data Qualifier Definitions (National Functional Guidelines)			
Qualifier Symbol	**Explanation**		
	INORGANICS	**ORGANICS**	**CHLORINATED DIOXIN/FURAN**
U	The analyte was analyzed for, but was not detected above the level of the reported quantitation limit.	The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted Contract Required Quantitation Limit (CRQL) for sample and method	The analyte was analyzed for but not detected. The value preceding the "U" may represent the adjusted Contract Required Quantitation Limit (see DLM02.X, Exhibit D, Section 1.2 and Table 2), or the sample specific estimated detection limit (EDL, see Method 8290A, Section 11.9.5).
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to an issue with the quality of the data generated because certain QC criteria were not met, or the concentration of the analyte was below the adjusted CRQL).
J+	The result is an estimated quantity, but the result may be biased high.	The result is an estimated quantity, but the result may be biased high.	
J–	The result is an estimated quantity, but the result may be biased low.	The result is an estimated quantity, but the result may be biased low.	
UJ	The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.	The analyte was not detected at a level greater than or equal to the adjusted CRQL. However, the reported adjusted CRQL is approximate and may be inaccurate or imprecise.	The analyte was not detected (see definition of "U" flag, above). The reported value should be considered approximate.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
N		The analysis indicates the presence of an analyte for which there is presumptive evidence to make a “tentative identification”.	
NJ		The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	
C		This qualifier applies to pesticide and Aroclor results when the identification has been confirmed by Gas Chromatograph/Mass Spectrometer (GC/MS).	
X		This qualifier applies to pesticide and Aroclor results when GC/MS analysis was attempted but was unsuccessful.	

DATA ASSESSMENT

ANALYSIS: METALS ICP-AES

The current SOP HW-3a (Rev 1) September 2016, USEPA Region II for the evaluation of ICP-AES metals data, and all related Change Request Forms (CRF) for this SOP, generated through Statement of Work SFAM01.1, and any future editorial revisions of SFAM01.1 has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi- Automated Screening Results Report.

1. HOLDING TIME AND PRESERVATION

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time or pH (aqueous samples are not within the acceptable range, the data may not be valid. Those analytes detected in the samples whose holding time (180 days) or pH (≤2) have not been met, will be qualified as estimated, "J"; the non-detects will be flagged as unusable, "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. CALIBRATION

Method requirements for satisfactory instrument calibration are established to ensure that the instrument is capable of producing acceptable quantitative data for the metals on the Inorganic Target Analyte List (TAL). Initial Calibration Verification (ICV) demonstrates that the instrument is capable of acceptable performance at the beginning of the analytical run. Continuing Calibration Verification (CCV) demonstrates that the initial calibration is still valid by checking the performance of the instrument on a continuing basis.

A) INITIAL CALIBRATION

A blank and at least five calibration standards shall be used to establish each analytical curve. At least one of these standards shall be at or below the CRQL. The calibration curve shall be fitted using linear regression or weighted linear regression. The curve may be forced through zero. The curve must have a correlation coefficient ≥ 0.995. The percent differences calculated for all of the non-zero standards must be within ±30% of the true value of the standard. The y-intercept of the curve must be less than the CRQL. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) INITIAL AND CONTINUING CALIBRATION VERIFICATION

Immediately after each system has been calibrated, the accuracy of the initial calibration must be verified and documented for each target analyte by the analysis of an ICV solution(s).
The CCV standard shall be analyzed at a frequency of every two hours during an analytical run. The CCV standard shall also be analyzed at the beginning of the run, and again after the last analytical sample. The percent recovery acceptable limits for ICV/CCV are 90 – 110%. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

3. BLANK CONTAMINATION

Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Calibration blanks (ICB and CCB) are used to ensure a stable instrument baseline before and during the analysis of analytical samples. The preparation blank is used to assess the level of contamination introduced to the analytical samples throughout the sample preparation process. Field and rinse blanks measure cross-contamination of samples during field operations. Qualifications were applied to the samples and analytes as shown below.

The following samples have analyte results less than CRQLs. The associated CCB analyte results are less than CRQLs. Detects are qualified as U. Sample results are reported at CRQLs.

Aluminum	BG531, BG533
Barium	BG528, BG528D, BG529, BG530, BG531, BG532, BG533, BG534, BG538, BG548
Potassium	BG545, BG546

4. **INTERFERENCE CHECK SAMPLE**

The Interference Check Sample (ICS) verifies the analytical instrument's ability to overcome interferences typical of those found in samples. The laboratory should have analyzed and reported ICS results for all elements being reported from the analytical run and for all interferents (target and non-target) for these reported elements. The ICS consists of two solutions: Solution A and Solution AB. Solution A consists of the interferents, and Solution AB consists of the analytes mixed with the interferents. Results for the analysis of ICS Solution must fall within the control limits of ± 20% or ±CRQL (whichever is greater) of the true value for the analytes and interferents included in the solution. If results that are ≥ MDL are observed for analytes that are not present in the ICS solution, the possibility of false positives exists. If negative results are observed for analytes that are not present in the ICS solution, and their absolute value is ≥ MDL, the possibility of false negatives in the samples exists. In general, ICP sample data can be accepted if the concentrations of Al, Ca, Fe, and Mg in the sample are found to be less than or equal to their respective concentrations in the ICS. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

5. SPIKE SAMPLE ANALYSIS

The spiked sample analysis is designed to provide information about the effect of each sample matrix on the sample preparation procedures and the measurement methodology. The spike Percent Recovery (%R) shall be within the established acceptance limits of 75 – 125%. However, spike recovery limits do not apply when the sample concentration is ≥ 4x the spike added. For a matrix spike analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the matrix spike sample.

No problems were found for this criterion.

6. DUPLICATE SAMPLE ANALYSIS

The objective of duplicate sample analysis is to demonstrate acceptable method precision by the laboratory at the time of analysis. A control limit of 35% for the Relative Percent Difference (RPD) shall be used for original and duplicate sample values ≥ five times (5x) the Contract Required Quantitation Limit (CRQL). A control limit of the CRQL shall be used if either the sample or duplicate

value is < 5x the CRQL. For a duplicate sample analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the duplicate sample.

No problems were found for this criterion.

7. FIELD DUPLICATE: BG530/BG548

Field duplicates may be taken and analyzed as an indication of overall precision. These analyses measure both field and laboratory precision. A control limit of 50% for the Relative Percent Difference (RPD) shall be used for original and duplicate sample values ≥ five times (5x) the Contract Required Quantitation Limit (CRQL). A control limit of 2x the CRQL shall be used if either the sample or duplicate value is < 5x the CRQL. For field duplicates analysis that does not meet the technical criteria, the action was applied to only the field sample and it's duplicate.

No problems were found for this criterion.

8. LABORATORY CONTROL SAMPLE

The Laboratory Control Sample (LCS) serves as a monitor of the overall performance of each step during the analysis, including the sample preparation. Aqueous/water, soil/sediment, wipe, and filter LCSs shall be analyzed for each analyte utilizing the same sample preparations, analytical methods, and Quality Assurance/Quality Control (QA/QC) procedures as employed for the samples. All LCS Percent Recoveries (%R) must fall within the control limits of 70-130%, except for Sb and Ag which must fall within the control limits of 50-150%. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

9. ICP SERIAL DILUTION

The serial dilution of samples quantitated by Inductively Coupled Plasma determines whether or not significant physical or chemical interferences exist due to sample matrix. If the analyte concentration is sufficiently high [concentration in the original sample is > 50 times (50x) the Method Detection Limit (MDL)], the Percent Difference (%D) between the original determination and the serial dilution analysis (a five-fold dilution) after correction for dilution shall be less than 10. For a serial dilution analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the serial dilution sample.

The following sample is associated with the Serial Dilution sample with analyte %D > 10%, but <100% and the original sample result is > 50xMDL. Detects are qualified as estimated J.

Magnesium and Potassium BG528

10. PERCENT SOLIDS

The laboratory is required to perform the percent solids determination prior to sample preparation and analysis. All results of a sample with percent solids less than 50% are qualified estimated, "J". Qualifications were applied to the samples and analytes as shown below.

Not applicable.

ANALYSIS: MERCURY

The current SOP HW-3c (Rev 1) September 2016, USEPA Region II for the evaluation of Mercury data, and all related Change Request Forms (CRF) for this SOP, generated through Statement of Work SFAM01.1, and any future editorial revisions of SFAM01.1 has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report.

1. HOLDING TIME AND PRESERVATION

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time, pH (aqueous samples), or cooler temperature are not within the acceptable range, the data may not be valid. Those analytes detected in the samples whose holding time (28 days) and pH (≤2) have not been met, will be qualified as estimated, "J"; the non-detects (sample quantitation limits) will be flagged as unusable, "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. CALIBRATION

Method requirements for satisfactory instrument calibration are established to ensure that the instrument is capable of producing acceptable quantitative data for mercury. Initial Calibration Verification (ICV) demonstrates that the instrument is capable of acceptable performance at the beginning of the analytical run. Continuing Calibration Verification (CCV) demonstrates that the initial calibration is still valid by checking the performance of the instrument on a continuing basis.

A) INITIAL CALIBRATION

A blank and at least five calibration standards shall be employed to establish the analytical curve. At least one of the calibration standards shall be at or below the Contract Required Quantitation Limit (CRQL). The calibration curve shall be fitted using linear regression or weighted linear regression. The curve may be forced through zero. The calibration curves for mercury shall possess a correlation coefficient of ≥ 0.995 to ensure the linearity over the calibrated range. The percent differences calculated for all of the non-zero standards must fall within ±30% of the true value of the standard. The y-intercept of the curve must be less than the CRQL. All sample results shall be reported from an analysis within the calibrated range. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) INITIAL AND CONTINUING CALIBRATION VERIFICATION

Immediately after each system has been calibrated, the accuracy of the initial calibration must be verified and documented for mercury by the analysis of an ICV solution(s). The CCV standard shall be analyzed at a frequency of every hour during an analytical run. The CCV standard shall also be analyzed at the beginning of the run, and again after the last analytical sample. The percent recovery acceptable limits for ICV/CCV are 85 – 115%. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

3. BLANK CONTAMINATION

Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure cross-contamination of samples during field operations. Qualifications were applied to the samples and analytes as shown below.

The following samples are associated with CCB that has analyte results less than or equal to (-MDLs) but greater than (-CRQLs). Detects are qualified as estimated J-. Non-detects are qualified as estimated UJ.

Mercury BG528, BG529, BG530, BG531, BG532, BG533, BG534, BG536, BG537

4. SPIKE SAMPLE ANALYSIS

The spiked sample analysis is designed to provide information about the effect of each sample matrix on the sample preparation procedures and the measurement methodology. The spike Percent Recovery (%R) shall be within the established acceptance limits of 75 – 125%. However, spike recovery limits do not apply when the sample concentration is ≥ 4x the spike added. For a matrix spike analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the matrix spike sample.

No problems were found for this criterion.

5. DUPLICATE SAMPLE ANALYSIS

The objective of duplicate sample analysis is to demonstrate acceptable method precision by the laboratory at the time of analysis. A control limit of 35% for the Relative Percent Difference (RPD) shall be used for original and duplicate sample values ≥ five times (5x) the Contract Required Quantitation Limit (CRQL). A control limit of the CRQL shall be used if either the sample or duplicate value is < 5x the CRQL. For a duplicate sample analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the duplicate sample.

No problems were found for this criterion.

6. FIELD DUPLICATE: BG530/BG548

Field duplicates may be taken and analyzed as an indication of overall precision. These analyses measure both field and laboratory precision. A control limit of 20% for the Relative Percent Difference (RPD) shall be used for original and duplicate sample values ≥ five times (5x) the Contract Required Quantitation Limit (CRQL). A control limit of the CRQL shall be used if either the sample or duplicate value is < 5x the CRQL. For field duplicates analysis that does not meet the technical criteria, the action was applied to only the field sample and it's duplicate.

No problems were found for this criterion.

7. PERCENT SOLIDS

The laboratory is required to perform the percent solids determination prior to sample preparation and analysis. Qualifications were applied to the samples and analytes as shown below.

Not applicable.

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG529** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SW01

Sample Number: BG528	Method: Mercury by Cold Vapor	Matrix: Water	MA Number:
Sample Location: SED01/SW01	pH: 1.	Sample Date: 04/13/2021	Sample Time: 11:40:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.20	UJ	ug/L	0.20	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG529** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SW01

Sample Number: BG528	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location: SED01/SW01	pH: 1.	Sample Date: 04/13/2021	Sample Time: 11:40:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	1000	U	ug/L	1000	UD	5	YES	S3VEM
Antimony	Target	300	U	ug/L	300	UD	5	YES	S3VEM
Arsenic	Target	50	U	ug/L	50	UD	5	YES	S3VEM
Barium	Target	1000	U	ug/L	11	JD	5	YES	S3VEM
Beryllium	Target	25	U	ug/L	25	UD	5	YES	S3VEM
Cadmium	Target	25	U	ug/L	25	UD	5	YES	S3VEM
Calcium	Target	270000		ug/L	270000	D	5	YES	S3VEM
Chromium	Target	50	U	ug/L	50	UD	5	YES	S3VEM
Cobalt	Target	250	U	ug/L	250	UD	5	YES	S3VEM
Copper	Target	120	U	ug/L	120	UD	5	YES	S3VEM
Iron	Target	500	U	ug/L	500	UD	5	YES	S3VEM
Lead	Target	50	U	ug/L	50	UD*	5	YES	S3VEM
Magnesium	Target	820000	J	ug/L	820000	DX*	5	YES	S3VEM
Manganese	Target	30	J	ug/L	30	JD	5	YES	S3VEM
Nickel	Target	200	U	ug/L	200	UD	5	YES	S3VEM
Potassium	Target	260000	J	ug/L	260000	DX*	5	YES	S3VEM
Selenium	Target	180	U	ug/L	180	UD	5	YES	S3VEM
Silver	Target	50	U	ug/L	50	UD	5	YES	S3VEM
Sodium	Target	6900000		ug/L	6900000	D	40	YES	S3VEM
Thallium	Target	120	U	ug/L	120	UD	5	YES	S3VEM
Vanadium	Target	250	U	ug/L	250	UD	5	YES	S3VEM
Zinc	Target	300	U	ug/L	300	UD	5	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG529** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: BG528A	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location:	pH: 1.	Sample Date: 04/13/2021	Sample Time: 11:40:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Lead	Spike	0.10	U	ug/L	0.10	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG529** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: BG528D	Method: Mercury by Cold Vapor	Matrix: Water	MA Number:
Sample Location:	pH: 1.	Sample Date: 04/13/2021	Sample Time: 11:40:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.20	UJ	ug/L	0.20	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG529** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: BG528D	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location:	pH: 1.	Sample Date: 04/13/2021	Sample Time: 11:40:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	1000	U	ug/L	1000	UD	5	YES	S3VEM
Antimony	Target	300	U	ug/L	300	UD	5	YES	S3VEM
Arsenic	Target	50	U	ug/L	50	UD	5	YES	S3VEM
Barium	Target	1000	U	ug/L	11	JD	5	YES	S3VEM
Beryllium	Target	25	U	ug/L	25	UD	5	YES	S3VEM
Cadmium	Target	25	U	ug/L	25	UD	5	YES	S3VEM
Calcium	Target	250000		ug/L	250000	D	5	YES	S3VEM
Chromium	Target	50	U	ug/L	50	UD	5	YES	S3VEM
Cobalt	Target	250	U	ug/L	250	UD	5	YES	S3VEM
Copper	Target	120	U	ug/L	120	UD	5	YES	S3VEM
Iron	Target	500	U	ug/L	500	UD	5	YES	S3VEM
Lead	Target	50	U	ug/L	50	UD	5	YES	S3VEM
Magnesium	Target	750000		ug/L	750000	D	5	YES	S3VEM
Manganese	Target	28	J	ug/L	28	JD	5	YES	S3VEM
Nickel	Target	200	U	ug/L	200	UD	5	YES	S3VEM
Potassium	Target	250000	J+	ug/L	250000	D	5	YES	S3VEM
Selenium	Target	180	U	ug/L	180	UD	5	YES	S3VEM
Silver	Target	50	U	ug/L	50	UD	5	YES	S3VEM
Sodium	Target	6700000		ug/L	6700000	D	40	YES	S3VEM
Thallium	Target	120	U	ug/L	120	UD	5	YES	S3VEM
Vanadium	Target	250	U	ug/L	250	UD	5	YES	S3VEM
Zinc	Target	300	U	ug/L	300	UD	5	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG529** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: BG528L	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location:	pH: 1.	Sample Date:	Sample Time:
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	5000	U	ug/L	5000	UD	25	YES	S3VEM
Antimony	Target	1500	U	ug/L	1500	UD	25	YES	S3VEM
Arsenic	Target	250	U	ug/L	250	UD	25	YES	S3VEM
Barium	Target	5000	U	ug/L	5000	UD	25	YES	S3VEM
Beryllium	Target	120	U	ug/L	120	UD	25	YES	S3VEM
Cadmium	Target	120	U	ug/L	120	UD	25	YES	S3VEM
Calcium	Target	250000		ug/L	250000	D	25	YES	S3VEM
Chromium	Target	250	U	ug/L	250	UD	25	YES	S3VEM
Cobalt	Target	1200	U	ug/L	1200	UD	25	YES	S3VEM
Copper	Target	620	U	ug/L	620	UD	25	YES	S3VEM
Iron	Target	2500	U	ug/L	2500	UD	25	YES	S3VEM
Lead	Target	250	U	ug/L	250	UD	25	YES	S3VEM
Magnesium	Target	730000		ug/L	730000	DX*	25	YES	S3VEM
Manganese	Target	380	U	ug/L	380	UD	25	YES	S3VEM
Nickel	Target	1000	U	ug/L	1000	UD	25	YES	S3VEM
Potassium	Target	230000	J+	ug/L	230000	DX*	25	YES	S3VEM
Selenium	Target	880	U	ug/L	880	UD	25	YES	S3VEM
Silver	Target	250	U	ug/L	250	UD	25	YES	S3VEM
Sodium	Target	6600000		ug/L	6600000	D	200	YES	S3VEM
Thallium	Target	620	U	ug/L	620	UD	25	YES	S3VEM
Vanadium	Target	1200	U	ug/L	1200	UD	25	YES	S3VEM
Zinc	Target	1500	U	ug/L	1500	UD	25	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG529** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: BG528S	Method: Mercury by Cold Vapor	Matrix: Water	MA Number:
Sample Location:	pH: 1.	Sample Date: 04/13/2021	Sample Time: 11:40:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Spike	0.79	J-	ug/L	0.79		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG529** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: BG528S	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location:	pH: 1.	Sample Date: 04/13/2021	Sample Time: 11:40:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Spike	2000	J+	ug/L	2000	D	5	YES	S3VEM
Antimony	Spike	100	J	ug/L	100	JD	5	YES	S3VEM
Arsenic	Spike	49	J	ug/L	49	JD	5	YES	S3VEM
Barium	Spike	2000	J+	ug/L	2000	D	5	YES	S3VEM
Beryllium	Spike	50		ug/L	50	D	5	YES	S3VEM
Cadmium	Spike	50		ug/L	50	D	5	YES	S3VEM
Chromium	Spike	210		ug/L	210	D	5	YES	S3VEM
Cobalt	Spike	480		ug/L	480	D	5	YES	S3VEM
Copper	Spike	250		ug/L	250	D	5	YES	S3VEM
Iron	Spike	1100		ug/L	1100	D	5	YES	S3VEM
Lead	Spike	26	J	ug/L	26	JD*	5	YES	S3VEM
Manganese	Spike	530		ug/L	530	D	5	YES	S3VEM
Nickel	Spike	520		ug/L	520	D	5	YES	S3VEM
Selenium	Spike	110	J	ug/L	110	JD	5	YES	S3VEM
Silver	Spike	53		ug/L	53	D	5	YES	S3VEM
Thallium	Spike	59	J	ug/L	59	JD	5	YES	S3VEM
Vanadium	Spike	500		ug/L	500	D	5	YES	S3VEM
Zinc	Spike	550		ug/L	550	D	5	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG529** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SW04

Sample Number: BG529	Method: Mercury by Cold Vapor	Matrix: Water	MA Number:
Sample Location: SED04/SW04	pH: 1.	Sample Date: 04/13/2021	Sample Time: 12:05:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.20	UJ	ug/L	0.20	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG529** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SW04

Sample Number: BG529	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location: SED04/SW04	pH: 1.	Sample Date: 04/13/2021	Sample Time: 12:05:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	1000	U	ug/L	1000	UD	5	YES	S3VEM
Antimony	Target	300	U	ug/L	300	UD	5	YES	S3VEM
Arsenic	Target	50	U	ug/L	50	UD	5	YES	S3VEM
Barium	Target	1000	U	ug/L	10	JD	5	YES	S3VEM
Beryllium	Target	25	U	ug/L	25	UD	5	YES	S3VEM
Cadmium	Target	25	U	ug/L	25	UD	5	YES	S3VEM
Calcium	Target	260000		ug/L	260000	D	5	YES	S3VEM
Chromium	Target	6.6	J	ug/L	6.6	JD	5	YES	S3VEM
Cobalt	Target	250	U	ug/L	250	UD	5	YES	S3VEM
Copper	Target	56	J	ug/L	56	JD	5	YES	S3VEM
Iron	Target	500	U	ug/L	500	UD	5	YES	S3VEM
Lead	Target	50	U	ug/L	50	UD*	5	YES	S3VEM
Magnesium	Target	780000		ug/L	780000	DX*	5	YES	S3VEM
Manganese	Target	30	J	ug/L	30	JD	5	YES	S3VEM
Nickel	Target	200	U	ug/L	200	UD	5	YES	S3VEM
Potassium	Target	250000		ug/L	250000	DX*	5	YES	S3VEM
Selenium	Target	180	U	ug/L	180	UD	5	YES	S3VEM
Silver	Target	50	U	ug/L	50	UD	5	YES	S3VEM
Sodium	Target	6800000		ug/L	6800000	D	40	YES	S3VEM
Thallium	Target	120	U	ug/L	120	UD	5	YES	S3VEM
Vanadium	Target	250	U	ug/L	250	UD	5	YES	S3VEM
Zinc	Target	300	U	ug/L	300	UD	5	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG529** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SW09

Sample Number: BG530	Method: Mercury by Cold Vapor	Matrix: Water	MA Number:
Sample Location: SED09/SW09	pH: 1.	Sample Date: 04/14/2021	Sample Time: 08:40:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.20	UJ	ug/L	0.20	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG529** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SW09

Sample Number: BG530	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location: SED09/SW09	pH: 1.	Sample Date: 04/14/2021	Sample Time: 08:40:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	1000	U	ug/L	1000	UD	5	YES	S3VEM
Antimony	Target	300	U	ug/L	300	UD	5	YES	S3VEM
Arsenic	Target	50	U	ug/L	50	UD	5	YES	S3VEM
Barium	Target	1000	U	ug/L	12	JD	5	YES	S3VEM
Beryllium	Target	25	U	ug/L	25	UD	5	YES	S3VEM
Cadmium	Target	25	U	ug/L	25	UD	5	YES	S3VEM
Calcium	Target	260000		ug/L	260000	D	5	YES	S3VEM
Chromium	Target	50	U	ug/L	50	UD	5	YES	S3VEM
Cobalt	Target	250	U	ug/L	250	UD	5	YES	S3VEM
Copper	Target	120	U	ug/L	120	UD	5	YES	S3VEM
Iron	Target	500	U	ug/L	500	UD	5	YES	S3VEM
Lead	Target	50	U	ug/L	50	UD*	5	YES	S3VEM
Magnesium	Target	780000		ug/L	780000	DX*	5	YES	S3VEM
Manganese	Target	36	J	ug/L	36	JD	5	YES	S3VEM
Nickel	Target	200	U	ug/L	200	UD	5	YES	S3VEM
Potassium	Target	250000		ug/L	250000	DX*	5	YES	S3VEM
Selenium	Target	180	U	ug/L	180	UD	5	YES	S3VEM
Silver	Target	50	U	ug/L	50	UD	5	YES	S3VEM
Sodium	Target	6700000		ug/L	6700000	D	40	YES	S3VEM
Thallium	Target	120	U	ug/L	120	UD	5	YES	S3VEM
Vanadium	Target	250	U	ug/L	250	UD	5	YES	S3VEM
Zinc	Target	300	U	ug/L	300	UD	5	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG529** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SW11

Sample Number: BG531	Method: Mercury by Cold Vapor	Matrix: Water	MA Number:
Sample Location: SED11/SW11	pH: 1.	Sample Date: 04/14/2021	Sample Time: 09:10:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.20	UJ	ug/L	0.20	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG529** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SW11

Sample Number: BG531	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location: SED11/SW11	pH: 1.	Sample Date: 04/14/2021	Sample Time: 09:10:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	1000	U	ug/L	120	JD	5	YES	S3VEM
Antimony	Target	300	U	ug/L	300	UD	5	YES	S3VEM
Arsenic	Target	50	U	ug/L	50	UD	5	YES	S3VEM
Barium	Target	1000	U	ug/L	13	JD	5	YES	S3VEM
Beryllium	Target	25	U	ug/L	25	UD	5	YES	S3VEM
Cadmium	Target	25	U	ug/L	25	UD	5	YES	S3VEM
Calcium	Target	280000		ug/L	280000	D	5	YES	S3VEM
Chromium	Target	50	U	ug/L	50	UD	5	YES	S3VEM
Cobalt	Target	250	U	ug/L	250	UD	5	YES	S3VEM
Copper	Target	120	U	ug/L	120	UD	5	YES	S3VEM
Iron	Target	320	J	ug/L	320	JD	5	YES	S3VEM
Lead	Target	50	U	ug/L	50	UD*	5	YES	S3VEM
Magnesium	Target	840000		ug/L	840000	DX*	5	YES	S3VEM
Manganese	Target	43	J	ug/L	43	JD	5	YES	S3VEM
Nickel	Target	200	U	ug/L	200	UD	5	YES	S3VEM
Potassium	Target	270000		ug/L	270000	DX*	5	YES	S3VEM
Selenium	Target	180	U	ug/L	180	UD	5	YES	S3VEM
Silver	Target	50	U	ug/L	50	UD	5	YES	S3VEM
Sodium	Target	6900000		ug/L	6900000	D	40	YES	S3VEM
Thallium	Target	16	J	ug/L	16	JD	5	YES	S3VEM
Vanadium	Target	250	U	ug/L	250	UD	5	YES	S3VEM
Zinc	Target	300	U	ug/L	300	UD	5	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG529** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SW13

Sample Number: BG532	Method: Mercury by Cold Vapor	Matrix: Water	MA Number:
Sample Location: SED13/SW13	pH: 1.	Sample Date: 04/14/2021	Sample Time: 09:30:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.20	UJ	ug/L	0.20	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG529** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SW13

Sample Number: BG532	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location: SED13/SW13	pH: 1.	Sample Date: 04/14/2021	Sample Time: 09:30:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	1000	U	ug/L	1000	UD	5	YES	S3VEM
Antimony	Target	300	U	ug/L	300	UD	5	YES	S3VEM
Arsenic	Target	50	U	ug/L	50	UD	5	YES	S3VEM
Barium	Target	1000	U	ug/L	12	JD	5	YES	S3VEM
Beryllium	Target	25	U	ug/L	25	UD	5	YES	S3VEM
Cadmium	Target	25	U	ug/L	25	UD	5	YES	S3VEM
Calcium	Target	260000		ug/L	260000	D	5	YES	S3VEM
Chromium	Target	50	U	ug/L	50	UD	5	YES	S3VEM
Cobalt	Target	250	U	ug/L	250	UD	5	YES	S3VEM
Copper	Target	120	U	ug/L	120	UD	5	YES	S3VEM
Iron	Target	160	J	ug/L	160	JD	5	YES	S3VEM
Lead	Target	50	U	ug/L	50	UD*	5	YES	S3VEM
Magnesium	Target	800000		ug/L	800000	DX*	5	YES	S3VEM
Manganese	Target	38	J	ug/L	38	JD	5	YES	S3VEM
Nickel	Target	200	U	ug/L	200	UD	5	YES	S3VEM
Potassium	Target	260000		ug/L	260000	DX*	5	YES	S3VEM
Selenium	Target	180	U	ug/L	180	UD	5	YES	S3VEM
Silver	Target	50	U	ug/L	50	UD	5	YES	S3VEM
Sodium	Target	6600000		ug/L	6600000	D	40	YES	S3VEM
Thallium	Target	120	U	ug/L	120	UD	5	YES	S3VEM
Vanadium	Target	250	U	ug/L	250	UD	5	YES	S3VEM
Zinc	Target	300	U	ug/L	300	UD	5	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG529** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SW14

Sample Number: BG533	Method: Mercury by Cold Vapor	Matrix: Water	MA Number:
Sample Location: SED14/SW14	pH: 1.	Sample Date: 04/14/2021	Sample Time: 09:50:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.20	UJ	ug/L	0.20	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG529** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SW14

Sample Number: BG533	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location: SED14/SW14	pH: 1.	Sample Date: 04/14/2021	Sample Time: 09:50:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	1000	U	ug/L	170	JD	5	YES	S3VEM
Antimony	Target	300	U	ug/L	300	UD	5	YES	S3VEM
Arsenic	Target	50	U	ug/L	50	UD	5	YES	S3VEM
Barium	Target	1000	U	ug/L	15	JD	5	YES	S3VEM
Beryllium	Target	25	U	ug/L	25	UD	5	YES	S3VEM
Cadmium	Target	25	U	ug/L	25	UD	5	YES	S3VEM
Calcium	Target	230000		ug/L	230000	D	5	YES	S3VEM
Chromium	Target	50	U	ug/L	50	UD	5	YES	S3VEM
Cobalt	Target	250	U	ug/L	250	UD	5	YES	S3VEM
Copper	Target	120	U	ug/L	120	UD	5	YES	S3VEM
Iron	Target	600		ug/L	600	D	5	YES	S3VEM
Lead	Target	50	U	ug/L	50	UD*	5	YES	S3VEM
Magnesium	Target	690000		ug/L	690000	DX*	5	YES	S3VEM
Manganese	Target	47	J	ug/L	47	JD	5	YES	S3VEM
Nickel	Target	200	U	ug/L	200	UD	5	YES	S3VEM
Potassium	Target	230000		ug/L	230000	DX*	5	YES	S3VEM
Selenium	Target	180	U	ug/L	180	UD	5	YES	S3VEM
Silver	Target	50	U	ug/L	50	UD	5	YES	S3VEM
Sodium	Target	6400000		ug/L	6400000	D	40	YES	S3VEM
Thallium	Target	120	U	ug/L	120	UD	5	YES	S3VEM
Vanadium	Target	250	U	ug/L	250	UD	5	YES	S3VEM
Zinc	Target	300	U	ug/L	300	UD	5	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG529** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SW20

Sample Number: BG534	Method: Mercury by Cold Vapor	Matrix: Water	MA Number:
Sample Location: SED21/SW21	pH: 1.	Sample Date: 04/15/2021	Sample Time: 10:20:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.20	UJ	ug/L	0.20	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG529** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SW20

Sample Number: BG534	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location: SED21/SW21	pH: 1.	Sample Date: 04/15/2021	Sample Time: 10:20:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	1000	U	ug/L	1000	UD	5	YES	S3VEM
Antimony	Target	300	U	ug/L	300	UD	5	YES	S3VEM
Arsenic	Target	50	U	ug/L	50	UD	5	YES	S3VEM
Barium	Target	1000	U	ug/L	29	JD	5	YES	S3VEM
Beryllium	Target	25	U	ug/L	25	UD	5	YES	S3VEM
Cadmium	Target	25	U	ug/L	25	UD	5	YES	S3VEM
Calcium	Target	230000		ug/L	230000	D	5	YES	S3VEM
Chromium	Target	50	U	ug/L	50	UD	5	YES	S3VEM
Cobalt	Target	250	U	ug/L	250	UD	5	YES	S3VEM
Copper	Target	120	U	ug/L	120	UD	5	YES	S3VEM
Iron	Target	400	J	ug/L	400	JD	5	YES	S3VEM
Lead	Target	50	U	ug/L	50	UD*	5	YES	S3VEM
Magnesium	Target	650000		ug/L	650000	DX*	5	YES	S3VEM
Manganese	Target	94		ug/L	94	D	5	YES	S3VEM
Nickel	Target	200	U	ug/L	200	UD	5	YES	S3VEM
Potassium	Target	210000		ug/L	210000	DX*	5	YES	S3VEM
Selenium	Target	180	U	ug/L	180	UD	5	YES	S3VEM
Silver	Target	50	U	ug/L	50	UD	5	YES	S3VEM
Sodium	Target	5700000		ug/L	5700000	D	40	YES	S3VEM
Thallium	Target	120	U	ug/L	120	UD	5	YES	S3VEM
Vanadium	Target	250	U	ug/L	250	UD	5	YES	S3VEM
Zinc	Target	300	U	ug/L	300	UD	5	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG529** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SW22

Sample Number: BG536	Method: Mercury by Cold Vapor	Matrix: Water	MA Number:
Sample Location: SED22/SW22	pH: 1.	Sample Date: 04/13/2021	Sample Time: 10:10:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.20	UJ	ug/L	0.20	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG529** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SW22

Sample Number: BG536	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location: SED22/SW22	pH: 1.	Sample Date: 04/13/2021	Sample Time: 10:10:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	1000	U	ug/L	1000	UD	5	YES	S3VEM
Antimony	Target	300	U	ug/L	300	UD	5	YES	S3VEM
Arsenic	Target	50	U	ug/L	50	UD	5	YES	S3VEM
Barium	Target	1000	U	ug/L	1000	UD	5	YES	S3VEM
Beryllium	Target	25	U	ug/L	25	UD	5	YES	S3VEM
Cadmium	Target	25	U	ug/L	25	UD	5	YES	S3VEM
Calcium	Target	330000		ug/L	330000	D	5	YES	S3VEM
Chromium	Target	50	U	ug/L	50	UD	5	YES	S3VEM
Cobalt	Target	250	U	ug/L	250	UD	5	YES	S3VEM
Copper	Target	120	U	ug/L	120	UD	5	YES	S3VEM
Iron	Target	500	U	ug/L	500	UD	5	YES	S3VEM
Lead	Target	50	U	ug/L	50	UD*	5	YES	S3VEM
Magnesium	Target	1100000		ug/L	1100000	DX*	5	YES	S3VEM
Manganese	Target	26	J	ug/L	26	JD	5	YES	S3VEM
Nickel	Target	200	U	ug/L	200	UD	5	YES	S3VEM
Potassium	Target	340000		ug/L	340000	DX*	5	YES	S3VEM
Selenium	Target	180	U	ug/L	180	UD	5	YES	S3VEM
Silver	Target	50	U	ug/L	50	UD	5	YES	S3VEM
Sodium	Target	8400000		ug/L	8400000	D	40	YES	S3VEM
Thallium	Target	120	U	ug/L	120	UD	5	YES	S3VEM
Vanadium	Target	250	U	ug/L	250	UD	5	YES	S3VEM
Zinc	Target	300	U	ug/L	300	UD	5	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG529** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SW23

Sample Number: BG537	Method: Mercury by Cold Vapor	Matrix: Water	MA Number:
Sample Location: SED23/SW23	pH: 1.	Sample Date: 04/13/2021	Sample Time: 09:55:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.20	UJ	ug/L	0.20	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG529** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SW23

Sample Number: BG537	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location: SED23/SW23	pH: 1.	Sample Date: 04/13/2021	Sample Time: 09:55:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	1000	U	ug/L	1000	UD	5	YES	S3VEM
Antimony	Target	300	U	ug/L	300	UD	5	YES	S3VEM
Arsenic	Target	50	U	ug/L	50	UD	5	YES	S3VEM
Barium	Target	1000	U	ug/L	1000	UD	5	YES	S3VEM
Beryllium	Target	25	U	ug/L	25	UD	5	YES	S3VEM
Cadmium	Target	25	U	ug/L	25	UD	5	YES	S3VEM
Calcium	Target	290000		ug/L	290000	D	5	YES	S3VEM
Chromium	Target	50	U	ug/L	50	UD	5	YES	S3VEM
Cobalt	Target	250	U	ug/L	250	UD	5	YES	S3VEM
Copper	Target	120	U	ug/L	120	UD	5	YES	S3VEM
Iron	Target	500	U	ug/L	500	UD	5	YES	S3VEM
Lead	Target	50	U	ug/L	50	UD*	5	YES	S3VEM
Magnesium	Target	900000		ug/L	900000	DX*	5	YES	S3VEM
Manganese	Target	39	J	ug/L	39	JD	5	YES	S3VEM
Nickel	Target	200	U	ug/L	200	UD	5	YES	S3VEM
Potassium	Target	290000		ug/L	290000	DX*	5	YES	S3VEM
Selenium	Target	180	U	ug/L	180	UD	5	YES	S3VEM
Silver	Target	50	U	ug/L	50	UD	5	YES	S3VEM
Sodium	Target	8000000		ug/L	8000000	D	40	YES	S3VEM
Thallium	Target	120	U	ug/L	120	UD	5	YES	S3VEM
Vanadium	Target	250	U	ug/L	250	UD	5	YES	S3VEM
Zinc	Target	300	U	ug/L	300	UD	5	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG529** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SW24

Sample Number: BG538	Method: Mercury by Cold Vapor	Matrix: Water	MA Number:
Sample Location: SED24/SW24	pH: 1.	Sample Date: 04/13/2021	Sample Time: 09:40:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.20	U	ug/L	0.20	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG529** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SW24

Sample Number: BG538	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location: SED24/SW24	pH: 1.	Sample Date: 04/13/2021	Sample Time: 09:40:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	1000	U	ug/L	1000	UD	5	YES	S3VEM
Antimony	Target	300	U	ug/L	300	UD	5	YES	S3VEM
Arsenic	Target	50	U	ug/L	50	UD	5	YES	S3VEM
Barium	Target	1000	U	ug/L	10	JD	5	YES	S3VEM
Beryllium	Target	25	U	ug/L	25	UD	5	YES	S3VEM
Cadmium	Target	25	U	ug/L	25	UD	5	YES	S3VEM
Calcium	Target	300000		ug/L	300000	D	5	YES	S3VEM
Chromium	Target	50	U	ug/L	50	UD	5	YES	S3VEM
Cobalt	Target	250	U	ug/L	250	UD	5	YES	S3VEM
Copper	Target	120	U	ug/L	120	UD	5	YES	S3VEM
Iron	Target	500	U	ug/L	500	UD	5	YES	S3VEM
Lead	Target	50	U	ug/L	50	UD*	5	YES	S3VEM
Magnesium	Target	930000		ug/L	930000	DX*	5	YES	S3VEM
Manganese	Target	140		ug/L	140	D	5	YES	S3VEM
Nickel	Target	200	U	ug/L	200	UD	5	YES	S3VEM
Potassium	Target	300000		ug/L	300000	DX*	5	YES	S3VEM
Selenium	Target	180	U	ug/L	180	UD	5	YES	S3VEM
Silver	Target	50	U	ug/L	50	UD	5	YES	S3VEM
Sodium	Target	7500000		ug/L	7500000	D	40	YES	S3VEM
Thallium	Target	120	U	ug/L	120	UD	5	YES	S3VEM
Vanadium	Target	250	U	ug/L	250	UD	5	YES	S3VEM
Zinc	Target	300	U	ug/L	300	UD	5	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG529** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SW25

Sample Number: BG539	Method: Mercury by Cold Vapor	Matrix: Water	MA Number:
Sample Location: SED25/SW25	pH: 1.	Sample Date: 04/13/2021	Sample Time: 10:50:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.20	U	ug/L	0.20	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG529** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SW25

Sample Number: BG539	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location: SED25/SW25	pH: 1.	Sample Date: 04/13/2021	Sample Time: 10:50:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	1000	U	ug/L	1000	UD	5	YES	S3VEM
Antimony	Target	300	U	ug/L	300	UD	5	YES	S3VEM
Arsenic	Target	50	U	ug/L	50	UD	5	YES	S3VEM
Barium	Target	1000	U	ug/L	1000	UD	5	YES	S3VEM
Beryllium	Target	25	U	ug/L	25	UD	5	YES	S3VEM
Cadmium	Target	25	U	ug/L	25	UD	5	YES	S3VEM
Calcium	Target	350000		ug/L	350000	D	5	YES	S3VEM
Chromium	Target	50	U	ug/L	50	UD	5	YES	S3VEM
Cobalt	Target	250	U	ug/L	250	UD	5	YES	S3VEM
Copper	Target	120	U	ug/L	120	UD	5	YES	S3VEM
Iron	Target	500	U	ug/L	500	UD	5	YES	S3VEM
Lead	Target	50	U	ug/L	50	UD*	5	YES	S3VEM
Magnesium	Target	1100000		ug/L	1100000	DX*	5	YES	S3VEM
Manganese	Target	33	J	ug/L	33	JD	5	YES	S3VEM
Nickel	Target	200	U	ug/L	200	UD	5	YES	S3VEM
Potassium	Target	350000		ug/L	350000	DX*	5	YES	S3VEM
Selenium	Target	180	U	ug/L	180	UD	5	YES	S3VEM
Silver	Target	50	U	ug/L	50	UD	5	YES	S3VEM
Sodium	Target	8600000		ug/L	8600000	D	80	YES	S3VEM
Thallium	Target	120	U	ug/L	120	UD	5	YES	S3VEM
Vanadium	Target	250	U	ug/L	250	UD	5	YES	S3VEM
Zinc	Target	300	U	ug/L	300	UD	5	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG529** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-RIN01

Sample Number: BG545	Method: Mercury by Cold Vapor	Matrix: Water	MA Number:
Sample Location: N/A	pH: 1.	Sample Date: 04/15/2021	Sample Time: 08:30:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.20	U	ug/L	0.20	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG529** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-RIN01

Sample Number: BG545	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location: N/A	pH: 1.	Sample Date: 04/15/2021	Sample Time: 08:30:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	1000	U	ug/L	1000	UD	5	YES	S3VEM
Antimony	Target	300	U	ug/L	300	UD	5	YES	S3VEM
Arsenic	Target	50	U	ug/L	50	UD	5	YES	S3VEM
Barium	Target	1000	U	ug/L	1000	UD	5	YES	S3VEM
Beryllium	Target	25	U	ug/L	25	UD	5	YES	S3VEM
Cadmium	Target	25	U	ug/L	25	UD	5	YES	S3VEM
Calcium	Target	25000	U	ug/L	25000	UD	5	YES	S3VEM
Chromium	Target	50	U	ug/L	50	UD	5	YES	S3VEM
Cobalt	Target	250	U	ug/L	250	UD	5	YES	S3VEM
Copper	Target	120	U	ug/L	120	UD	5	YES	S3VEM
Iron	Target	500	U	ug/L	500	UD	5	YES	S3VEM
Lead	Target	50	U	ug/L	50	UD*	5	YES	S3VEM
Magnesium	Target	25000	U	ug/L	25000	UDX*	5	YES	S3VEM
Manganese	Target	75	U	ug/L	75	UD	5	YES	S3VEM
Nickel	Target	200	U	ug/L	200	UD	5	YES	S3VEM
Potassium	Target	25000	U	ug/L	1100	JDX*	5	YES	S3VEM
Selenium	Target	180	U	ug/L	180	UD	5	YES	S3VEM
Silver	Target	50	U	ug/L	50	UD	5	YES	S3VEM
Sodium	Target	1400	J	ug/L	1400	JD	5	YES	S3VEM
Thallium	Target	120	U	ug/L	120	UD	5	YES	S3VEM
Vanadium	Target	250	U	ug/L	250	UD	5	YES	S3VEM
Zinc	Target	300	U	ug/L	300	UD	5	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project | **GroupID: 49391/68HERH20D0009/BG529** | **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-RIN02

Sample Number: BG546	Method: Mercury by Cold Vapor	Matrix: Water	MA Number:
Sample Location: N/A	pH: 1.	Sample Date: 04/15/2021	Sample Time: 08:15:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.20	U	ug/L	0.20	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG529** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-RIN02

Sample Number: BG546	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location: N/A	pH: 1.	Sample Date: 04/15/2021	Sample Time: 08:15:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	1000	U	ug/L	1000	UD	5	YES	S3VEM
Antimony	Target	300	U	ug/L	300	UD	5	YES	S3VEM
Arsenic	Target	50	U	ug/L	50	UD	5	YES	S3VEM
Barium	Target	1000	U	ug/L	1000	UD	5	YES	S3VEM
Beryllium	Target	25	U	ug/L	25	UD	5	YES	S3VEM
Cadmium	Target	25	U	ug/L	25	UD	5	YES	S3VEM
Calcium	Target	25000	U	ug/L	25000	UD	5	YES	S3VEM
Chromium	Target	50	U	ug/L	50	UD	5	YES	S3VEM
Cobalt	Target	250	U	ug/L	250	UD	5	YES	S3VEM
Copper	Target	120	U	ug/L	120	UD	5	YES	S3VEM
Iron	Target	500	U	ug/L	500	UD	5	YES	S3VEM
Lead	Target	50	U	ug/L	50	UD*	5	YES	S3VEM
Magnesium	Target	25000	U	ug/L	25000	UDX*	5	YES	S3VEM
Manganese	Target	75	U	ug/L	75	UD	5	YES	S3VEM
Nickel	Target	200	U	ug/L	200	UD	5	YES	S3VEM
Potassium	Target	25000	U	ug/L	430	JDX*	5	YES	S3VEM
Selenium	Target	180	U	ug/L	180	UD	5	YES	S3VEM
Silver	Target	50	U	ug/L	50	UD	5	YES	S3VEM
Sodium	Target	25000	U	ug/L	25000	UD	5	YES	S3VEM
Thallium	Target	120	U	ug/L	120	UD	5	YES	S3VEM
Vanadium	Target	250	U	ug/L	250	UD	5	YES	S3VEM
Zinc	Target	300	U	ug/L	300	UD	5	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG529** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SW26

Sample Number: BG548	Method: Mercury by Cold Vapor	Matrix: Water	MA Number:
Sample Location: SED09/SW09	pH: 1.	Sample Date: 04/14/2021	Sample Time: 08:45:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.20	U	ug/L	0.20	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG529** **Lab Name: Bonner Analytical Testing Co.**

Field Sample ID: 6100-SW26

Sample Number: BG548	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location: SED09/SW09	pH: 1.	Sample Date: 04/14/2021	Sample Time: 08:45:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	1000	U	ug/L	1000	UD	5	YES	S3VEM
Antimony	Target	300	U	ug/L	300	UD	5	YES	S3VEM
Arsenic	Target	50	U	ug/L	50	UD	5	YES	S3VEM
Barium	Target	1000	U	ug/L	11	JD	5	YES	S3VEM
Beryllium	Target	25	U	ug/L	25	UD	5	YES	S3VEM
Cadmium	Target	25	U	ug/L	25	UD	5	YES	S3VEM
Calcium	Target	250000		ug/L	250000	D	5	YES	S3VEM
Chromium	Target	50	U	ug/L	50	UD	5	YES	S3VEM
Cobalt	Target	250	U	ug/L	250	UD	5	YES	S3VEM
Copper	Target	120	U	ug/L	120	UD	5	YES	S3VEM
Iron	Target	500	U	ug/L	500	UD	5	YES	S3VEM
Lead	Target	50	U	ug/L	50	UD*	5	YES	S3VEM
Magnesium	Target	760000		ug/L	760000	DX*	5	YES	S3VEM
Manganese	Target	31	J	ug/L	31	JD	5	YES	S3VEM
Nickel	Target	200	U	ug/L	200	UD	5	YES	S3VEM
Potassium	Target	240000		ug/L	240000	DX*	5	YES	S3VEM
Selenium	Target	180	U	ug/L	180	UD	5	YES	S3VEM
Silver	Target	50	U	ug/L	50	UD	5	YES	S3VEM
Sodium	Target	6700000		ug/L	6700000	D	40	YES	S3VEM
Thallium	Target	120	U	ug/L	120	UD	5	YES	S3VEM
Vanadium	Target	250	U	ug/L	250	UD	5	YES	S3VEM
Zinc	Target	300	U	ug/L	300	UD	5	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG529** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: LCS01	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Spike	390	J+	ug/L	390		1	YES	S3VEM
Antimony	Spike	120		ug/L	120		1	YES	S3VEM
Arsenic	Spike	19		ug/L	19		1	YES	S3VEM
Barium	Spike	400	J+	ug/L	400		1	YES	S3VEM
Beryllium	Spike	9.8		ug/L	9.8		1	YES	S3VEM
Cadmium	Spike	10		ug/L	10		1	YES	S3VEM
Calcium	Spike	10000		ug/L	10000		1	YES	S3VEM
Chromium	Spike	22		ug/L	22		1	YES	S3VEM
Cobalt	Spike	110		ug/L	110		1	YES	S3VEM
Copper	Spike	48		ug/L	48		1	YES	S3VEM
Iron	Spike	200		ug/L	200		1	YES	S3VEM
Lead	Spike	19		ug/L	19		1	YES	S3VEM
Magnesium	Spike	9700		ug/L	9700		1	YES	S3VEM
Manganese	Spike	31		ug/L	31		1	YES	S3VEM
Nickel	Spike	78		ug/L	78		1	YES	S3VEM
Potassium	Spike	9600	J+	ug/L	9600		1	YES	S3VEM
Selenium	Spike	70		ug/L	70		1	YES	S3VEM
Silver	Spike	20		ug/L	20		1	YES	S3VEM
Sodium	Spike	10000		ug/L	10000		1	YES	S3VEM
Thallium	Spike	52		ug/L	52		1	YES	S3VEM
Vanadium	Spike	100		ug/L	100		1	YES	S3VEM
Zinc	Spike	110		ug/L	110		1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG529** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: PBW01	Method: Mercury by Cold Vapor	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Mercury	Target	0.20	UJ	ug/L	0.20	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG529** **Lab Name: Bonner Analytical Testing Co.**

Sample Number: PBW01	Method: Metals by ICP-AES	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	200	U	ug/L	200	U	1	YES	S3VEM
Antimony	Target	60	U	ug/L	60	U	1	YES	S3VEM
Arsenic	Target	10	U	ug/L	10	U	1	YES	S3VEM
Barium	Target	200	U	ug/L	200	U	1	YES	S3VEM
Beryllium	Target	5.0	U	ug/L	5.0	U	1	YES	S3VEM
Cadmium	Target	5.0	U	ug/L	5.0	U	1	YES	S3VEM
Calcium	Target	5000	U	ug/L	5000	U	1	YES	S3VEM
Chromium	Target	10	U	ug/L	10	U	1	YES	S3VEM
Cobalt	Target	50	U	ug/L	50	U	1	YES	S3VEM
Copper	Target	25	U	ug/L	25	U	1	YES	S3VEM
Iron	Target	100	U	ug/L	100	U	1	YES	S3VEM
Lead	Target	10	U	ug/L	10	U	1	YES	S3VEM
Magnesium	Target	5000	U	ug/L	5000	U	1	YES	S3VEM
Manganese	Target	15	U	ug/L	15	U	1	YES	S3VEM
Nickel	Target	40	U	ug/L	40	U	1	YES	S3VEM
Potassium	Target	5000	U	ug/L	5000	U	1	YES	S3VEM
Selenium	Target	35	U	ug/L	35	U	1	YES	S3VEM
Silver	Target	10	U	ug/L	10	U	1	YES	S3VEM
Sodium	Target	5000	U	ug/L	5000	U	1	YES	S3VEM
Thallium	Target	25	U	ug/L	25	U	1	YES	S3VEM
Vanadium	Target	50	U	ug/L	50	U	1	YES	S3VEM
Zinc	Target	60	U	ug/L	60	U	1	YES	S3VEM

Sample Summary Report

Project Name: CONEY ISLAND CREEK Project **GroupID: 49391/68HERH20D0009/BG529** **Lab Name: Bonner Analytical Testing Co.**

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG528D		04/13/2021	5	7429-90-5	Aluminum	1000	UD	U	1000	ug/L	
BG528D		04/13/2021	5	7440-36-0	Antimony	300	UD	U	300	ug/L	
BG528D		04/13/2021	5	7440-38-2	Arsenic	50	UD	U	50	ug/L	
BG528D		04/13/2021	5	7440-39-3	Barium	1000	JD	U	1000	ug/L	
BG528D		04/13/2021	5	7440-41-7	Beryllium	25	UD	U	25	ug/L	
BG528D		04/13/2021	5	7440-43-9	Cadmium	25	UD	U	25	ug/L	
BG528D		04/13/2021	5	7440-70-2	Calcium	250000	D		25000	ug/L	
BG528D		04/13/2021	5	7440-47-3	Chromium	50	UD	U	50	ug/L	
BG528D		04/13/2021	5	7440-48-4	Cobalt	250	UD	U	250	ug/L	
BG528D		04/13/2021	5	7440-50-8	Copper	120	UD	U	120	ug/L	
BG528D		04/13/2021	5	7439-89-6	Iron	500	UD	U	500	ug/L	
BG528D		04/13/2021	5	7439-92-1	Lead	50	UD	U	50	ug/L	
BG528D		04/13/2021	5	7439-95-4	Magnesium	750000	D		25000	ug/L	
BG528D		04/13/2021	5	7439-96-5	Manganese	28	JD	J	75	ug/L	
BG528D		04/13/2021	5	7440-02-0	Nickel	200	UD	U	200	ug/L	
BG528D		04/13/2021	5	7440-09-7	Potassium	250000	D	J+	25000	ug/L	
BG528D		04/13/2021	5	7782-49-2	Selenium	180	UD	U	180	ug/L	
BG528D		04/13/2021	5	7440-22-4	Silver	50	UD	U	50	ug/L	
BG528D		04/13/2021	40	7440-23-5	Sodium	6700000	D		200000	ug/L	
BG528D		04/13/2021	5	7440-28-0	Thallium	120	UD	U	120	ug/L	
BG528D		04/13/2021	5	7440-62-2	Vanadium	250	UD	U	250	ug/L	
BG528D		04/13/2021	5	7440-66-6	Zinc	300	UD	U	300	ug/L	
BG528		04/13/2021	5	7429-90-5	Aluminum	1000	UD	U	1000	ug/L	6100-SW01
BG528		04/13/2021	5	7440-36-0	Antimony	300	UD	U	300	ug/L	6100-SW01
BG528		04/13/2021	5	7440-38-2	Arsenic	50	UD	U	50	ug/L	6100-SW01
BG528		04/13/2021	5	7440-39-3	Barium	1000	JD	U	1000	ug/L	6100-SW01
BG528		04/13/2021	5	7440-41-7	Beryllium	25	UD	U	25	ug/L	6100-SW01
BG528		04/13/2021	5	7440-43-9	Cadmium	25	UD	U	25	ug/L	6100-SW01
BG528		04/13/2021	5	7440-70-2	Calcium	270000	D		25000	ug/L	6100-SW01
BG528		04/13/2021	5	7440-47-3	Chromium	50	UD	U	50	ug/L	6100-SW01
BG528		04/13/2021	5	7440-48-4	Cobalt	250	UD	U	250	ug/L	6100-SW01
BG528		04/13/2021	5	7440-50-8	Copper	120	UD	U	120	ug/L	6100-SW01
BG528		04/13/2021	5	7439-89-6	Iron	500	UD	U	500	ug/L	6100-SW01
BG528		04/13/2021	5	7439-92-1	Lead	50	UD*	U	50	ug/L	6100-SW01
BG528		04/13/2021	5	7439-95-4	Magnesium	820000	DX*	J	25000	ug/L	6100-SW01
BG528		04/13/2021	5	7439-96-5	Manganese	30	JD	J	75	ug/L	6100-SW01
BG528		04/13/2021	5	7440-02-0	Nickel	200	UD	U	200	ug/L	6100-SW01
BG528		04/13/2021	5	7440-09-7	Potassium	260000	DX*	J	25000	ug/L	6100-SW01
BG528		04/13/2021	5	7782-49-2	Selenium	180	UD	U	180	ug/L	6100-SW01
BG528		04/13/2021	5	7440-22-4	Silver	50	UD	U	50	ug/L	6100-SW01
BG528		04/13/2021	40	7440-23-5	Sodium	6900000	D		200000	ug/L	6100-SW01
BG528		04/13/2021	5	7440-28-0	Thallium	120	UD	U	120	ug/L	6100-SW01
BG528		04/13/2021	5	7440-62-2	Vanadium	250	UD	U	250	ug/L	6100-SW01
BG528		04/13/2021	5	7440-66-6	Zinc	300	UD	U	300	ug/L	6100-SW01
BG529		04/13/2021	5	7429-90-5	Aluminum	1000	UD	U	1000	ug/L	6100-SW04
BG529		04/13/2021	5	7440-36-0	Antimony	300	UD	U	300	ug/L	6100-SW04
BG529		04/13/2021	5	7440-38-2	Arsenic	50	UD	U	50	ug/L	6100-SW04
BG529		04/13/2021	5	7440-39-3	Barium	1000	JD	U	1000	ug/L	6100-SW04
BG529		04/13/2021	5	7440-41-7	Beryllium	25	UD	U	25	ug/L	6100-SW04
BG529		04/13/2021	5	7440-43-9	Cadmium	25	UD	U	25	ug/L	6100-SW04
BG529		04/13/2021	5	7440-70-2	Calcium	260000	D		25000	ug/L	6100-SW04
BG529		04/13/2021	5	7440-47-3	Chromium	6.6	JD	J	50	ug/L	6100-SW04
BG529		04/13/2021	5	7440-48-4	Cobalt	250	UD	U	250	ug/L	6100-SW04
BG529		04/13/2021	5	7440-50-8	Copper	56	JD	J	120	ug/L	6100-SW04
BG529		04/13/2021	5	7439-89-6	Iron	500	UD	U	500	ug/L	6100-SW04
BG529		04/13/2021	5	7439-92-1	Lead	50	UD*	U	50	ug/L	6100-SW04
BG529		04/13/2021	5	7439-95-4	Magnesium	780000	DX*		25000	ug/L	6100-SW04
BG529		04/13/2021	5	7439-96-5	Manganese	30	JD	J	75	ug/L	6100-SW04
BG529		04/13/2021	5	7440-02-0	Nickel	200	UD	U	200	ug/L	6100-SW04
BG529		04/13/2021	5	7440-09-7	Potassium	250000	DX*		25000	ug/L	6100-SW04
BG529		04/13/2021	5	7782-49-2	Selenium	180	UD	U	180	ug/L	6100-SW04
BG529		04/13/2021	5	7440-22-4	Silver	50	UD	U	50	ug/L	6100-SW04
BG529		04/13/2021	40	7440-23-5	Sodium	6800000	D		200000	ug/L	6100-SW04
BG529		04/13/2021	5	7440-28-0	Thallium	120	UD	U	120	ug/L	6100-SW04
BG529		04/13/2021	5	7440-62-2	Vanadium	250	UD	U	250	ug/L	6100-SW04
BG529		04/13/2021	5	7440-66-6	Zinc	300	UD	U	300	ug/L	6100-SW04

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG530		04/14/2021	5	7429-90-5	Aluminum	1000	UD	U	1000	ug/L	6100-SW09
BG530		04/14/2021	5	7440-36-0	Antimony	300	UD	U	300	ug/L	6100-SW09
BG530		04/14/2021	5	7440-38-2	Arsenic	50	UD	U	50	ug/L	6100-SW09
BG530		04/14/2021	5	7440-39-3	Barium	1000	JD	U	1000	ug/L	6100-SW09
BG530		04/14/2021	5	7440-41-7	Beryllium	25	UD	U	25	ug/L	6100-SW09
BG530		04/14/2021	5	7440-43-9	Cadmium	25	UD	U	25	ug/L	6100-SW09
BG530		04/14/2021	5	7440-70-2	Calcium	260000	D		25000	ug/L	6100-SW09
BG530		04/14/2021	5	7440-47-3	Chromium	50	UD	U	50	ug/L	6100-SW09
BG530		04/14/2021	5	7440-48-4	Cobalt	250	UD	U	250	ug/L	6100-SW09
BG530		04/14/2021	5	7440-50-8	Copper	120	UD	U	120	ug/L	6100-SW09
BG530		04/14/2021	5	7439-89-6	Iron	500	UD	U	500	ug/L	6100-SW09
BG530		04/14/2021	5	7439-92-1	Lead	50	UD*	U	50	ug/L	6100-SW09
BG530		04/14/2021	5	7439-95-4	Magnesium	780000	DX*		25000	ug/L	6100-SW09
BG530		04/14/2021	5	7439-96-5	Manganese	36	JD	J	75	ug/L	6100-SW09
BG530		04/14/2021	5	7440-02-0	Nickel	200	UD	U	200	ug/L	6100-SW09
BG530		04/14/2021	5	7440-09-7	Potassium	250000	DX*		25000	ug/L	6100-SW09
BG530		04/14/2021	5	7782-49-2	Selenium	180	UD	U	180	ug/L	6100-SW09
BG530		04/14/2021	5	7440-22-4	Silver	50	UD	U	50	ug/L	6100-SW09
BG530		04/14/2021	40	7440-23-5	Sodium	6700000	D		200000	ug/L	6100-SW09
BG530		04/14/2021	5	7440-28-0	Thallium	120	UD	U	120	ug/L	6100-SW09
BG530		04/14/2021	5	7440-62-2	Vanadium	250	UD	U	250	ug/L	6100-SW09
BG530		04/14/2021	5	7440-66-6	Zinc	300	UD	U	300	ug/L	6100-SW09
BG531		04/14/2021	5	7429-90-5	Aluminum	1000	JD	U	1000	ug/L	6100-SW11
BG531		04/14/2021	5	7440-36-0	Antimony	300	UD	U	300	ug/L	6100-SW11
BG531		04/14/2021	5	7440-38-2	Arsenic	50	UD	U	50	ug/L	6100-SW11
BG531		04/14/2021	5	7440-39-3	Barium	1000	JD	U	1000	ug/L	6100-SW11
BG531		04/14/2021	5	7440-41-7	Beryllium	25	UD	U	25	ug/L	6100-SW11
BG531		04/14/2021	5	7440-43-9	Cadmium	25	UD	U	25	ug/L	6100-SW11
BG531		04/14/2021	5	7440-70-2	Calcium	280000	D		25000	ug/L	6100-SW11
BG531		04/14/2021	5	7440-47-3	Chromium	50	UD	U	50	ug/L	6100-SW11
BG531		04/14/2021	5	7440-48-4	Cobalt	250	UD	U	250	ug/L	6100-SW11
BG531		04/14/2021	5	7440-50-8	Copper	120	UD	U	120	ug/L	6100-SW11
BG531		04/14/2021	5	7439-89-6	Iron	320	JD	J	500	ug/L	6100-SW11
BG531		04/14/2021	5	7439-92-1	Lead	50	UD*	U	50	ug/L	6100-SW11
BG531		04/14/2021	5	7439-95-4	Magnesium	840000	DX*		25000	ug/L	6100-SW11
BG531		04/14/2021	5	7439-96-5	Manganese	43	JD	J	75	ug/L	6100-SW11
BG531		04/14/2021	5	7440-02-0	Nickel	200	UD	U	200	ug/L	6100-SW11
BG531		04/14/2021	5	7440-09-7	Potassium	270000	DX*		25000	ug/L	6100-SW11
BG531		04/14/2021	5	7782-49-2	Selenium	180	UD	U	180	ug/L	6100-SW11
BG531		04/14/2021	5	7440-22-4	Silver	50	UD	U	50	ug/L	6100-SW11
BG531		04/14/2021	40	7440-23-5	Sodium	6900000	D		200000	ug/L	6100-SW11
BG531		04/14/2021	5	7440-28-0	Thallium	16	JD	J	120	ug/L	6100-SW11
BG531		04/14/2021	5	7440-62-2	Vanadium	250	UD	U	250	ug/L	6100-SW11
BG531		04/14/2021	5	7440-66-6	Zinc	300	UD	U	300	ug/L	6100-SW11
BG532		04/14/2021	5	7429-90-5	Aluminum	1000	UD	U	1000	ug/L	6100-SW13
BG532		04/14/2021	5	7440-36-0	Antimony	300	UD	U	300	ug/L	6100-SW13
BG532		04/14/2021	5	7440-38-2	Arsenic	50	UD	U	50	ug/L	6100-SW13
BG532		04/14/2021	5	7440-39-3	Barium	1000	JD	U	1000	ug/L	6100-SW13
BG532		04/14/2021	5	7440-41-7	Beryllium	25	UD	U	25	ug/L	6100-SW13
BG532		04/14/2021	5	7440-43-9	Cadmium	25	UD	U	25	ug/L	6100-SW13
BG532		04/14/2021	5	7440-70-2	Calcium	260000	D		25000	ug/L	6100-SW13
BG532		04/14/2021	5	7440-47-3	Chromium	50	UD	U	50	ug/L	6100-SW13
BG532		04/14/2021	5	7440-48-4	Cobalt	250	UD	U	250	ug/L	6100-SW13
BG532		04/14/2021	5	7440-50-8	Copper	120	UD	U	120	ug/L	6100-SW13
BG532		04/14/2021	5	7439-89-6	Iron	160	JD	J	500	ug/L	6100-SW13
BG532		04/14/2021	5	7439-92-1	Lead	50	UD*	U	50	ug/L	6100-SW13
BG532		04/14/2021	5	7439-95-4	Magnesium	800000	DX*		25000	ug/L	6100-SW13
BG532		04/14/2021	5	7439-96-5	Manganese	38	JD	J	75	ug/L	6100-SW13
BG532		04/14/2021	5	7440-02-0	Nickel	200	UD	U	200	ug/L	6100-SW13
BG532		04/14/2021	5	7440-09-7	Potassium	260000	DX*		25000	ug/L	6100-SW13
BG532		04/14/2021	5	7782-49-2	Selenium	180	UD	U	180	ug/L	6100-SW13
BG532		04/14/2021	5	7440-22-4	Silver	50	UD	U	50	ug/L	6100-SW13
BG532		04/14/2021	40	7440-23-5	Sodium	6600000	D		200000	ug/L	6100-SW13
BG532		04/14/2021	5	7440-28-0	Thallium	120	UD	U	120	ug/L	6100-SW13
BG532		04/14/2021	5	7440-62-2	Vanadium	250	UD	U	250	ug/L	6100-SW13
BG532		04/14/2021	5	7440-66-6	Zinc	300	UD	U	300	ug/L	6100-SW13

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG533		04/14/2021	5	7429-90-5	Aluminum	1000	JD	U	1000	ug/L	6100-SW14
BG533		04/14/2021	5	7440-36-0	Antimony	300	UD	U	300	ug/L	6100-SW14
BG533		04/14/2021	5	7440-38-2	Arsenic	50	UD	U	50	ug/L	6100-SW14
BG533		04/14/2021	5	7440-39-3	Barium	1000	JD	U	1000	ug/L	6100-SW14
BG533		04/14/2021	5	7440-41-7	Beryllium	25	UD	U	25	ug/L	6100-SW14
BG533		04/14/2021	5	7440-43-9	Cadmium	25	UD	U	25	ug/L	6100-SW14
BG533		04/14/2021	5	7440-70-2	Calcium	230000	D		25000	ug/L	6100-SW14
BG533		04/14/2021	5	7440-47-3	Chromium	50	UD	U	50	ug/L	6100-SW14
BG533		04/14/2021	5	7440-48-4	Cobalt	250	UD	U	250	ug/L	6100-SW14
BG533		04/14/2021	5	7440-50-8	Copper	120	UD	U	120	ug/L	6100-SW14
BG533		04/14/2021	5	7439-89-6	Iron	600	D		500	ug/L	6100-SW14
BG533		04/14/2021	5	7439-92-1	Lead	50	UD*	U	50	ug/L	6100-SW14
BG533		04/14/2021	5	7439-95-4	Magnesium	690000	DX*		25000	ug/L	6100-SW14
BG533		04/14/2021	5	7439-96-5	Manganese	47	JD	J	75	ug/L	6100-SW14
BG533		04/14/2021	5	7440-02-0	Nickel	200	UD	U	200	ug/L	6100-SW14
BG533		04/14/2021	5	7440-09-7	Potassium	230000	DX*		25000	ug/L	6100-SW14
BG533		04/14/2021	5	7782-49-2	Selenium	180	UD	U	180	ug/L	6100-SW14
BG533		04/14/2021	5	7440-22-4	Silver	50	UD	U	50	ug/L	6100-SW14
BG533		04/14/2021	40	7440-23-5	Sodium	6400000	D		200000	ug/L	6100-SW14
BG533		04/14/2021	5	7440-28-0	Thallium	120	UD	U	120	ug/L	6100-SW14
BG533		04/14/2021	5	7440-62-2	Vanadium	250	UD	U	250	ug/L	6100-SW14
BG533		04/14/2021	5	7440-66-6	Zinc	300	UD	U	300	ug/L	6100-SW14
BG534		04/15/2021	5	7429-90-5	Aluminum	1000	UD	U	1000	ug/L	6100-SW20
BG534		04/15/2021	5	7440-36-0	Antimony	300	UD	U	300	ug/L	6100-SW20
BG534		04/15/2021	5	7440-38-2	Arsenic	50	UD	U	50	ug/L	6100-SW20
BG534		04/15/2021	5	7440-39-3	Barium	1000	JD	U	1000	ug/L	6100-SW20
BG534		04/15/2021	5	7440-41-7	Beryllium	25	UD	U	25	ug/L	6100-SW20
BG534		04/15/2021	5	7440-43-9	Cadmium	25	UD	U	25	ug/L	6100-SW20
BG534		04/15/2021	5	7440-70-2	Calcium	230000	D		25000	ug/L	6100-SW20
BG534		04/15/2021	5	7440-47-3	Chromium	50	UD	U	50	ug/L	6100-SW20
BG534		04/15/2021	5	7440-48-4	Cobalt	250	UD	U	250	ug/L	6100-SW20
BG534		04/15/2021	5	7440-50-8	Copper	120	UD	U	120	ug/L	6100-SW20
BG534		04/15/2021	5	7439-89-6	Iron	400	JD	J	500	ug/L	6100-SW20
BG534		04/15/2021	5	7439-92-1	Lead	50	UD*	U	50	ug/L	6100-SW20
BG534		04/15/2021	5	7439-95-4	Magnesium	650000	DX*		25000	ug/L	6100-SW20
BG534		04/15/2021	5	7439-96-5	Manganese	94	D		75	ug/L	6100-SW20
BG534		04/15/2021	5	7440-02-0	Nickel	200	UD	U	200	ug/L	6100-SW20
BG534		04/15/2021	5	7440-09-7	Potassium	210000	DX*		25000	ug/L	6100-SW20
BG534		04/15/2021	5	7782-49-2	Selenium	180	UD	U	180	ug/L	6100-SW20
BG534		04/15/2021	5	7440-22-4	Silver	50	UD	U	50	ug/L	6100-SW20
BG534		04/15/2021	40	7440-23-5	Sodium	5700000	D		200000	ug/L	6100-SW20
BG534		04/15/2021	5	7440-28-0	Thallium	120	UD	U	120	ug/L	6100-SW20
BG534		04/15/2021	5	7440-62-2	Vanadium	250	UD	U	250	ug/L	6100-SW20
BG534		04/15/2021	5	7440-66-6	Zinc	300	UD	U	300	ug/L	6100-SW20
BG536		04/13/2021	5	7429-90-5	Aluminum	1000	UD	U	1000	ug/L	6100-SW22
BG536		04/13/2021	5	7440-36-0	Antimony	300	UD	U	300	ug/L	6100-SW22
BG536		04/13/2021	5	7440-38-2	Arsenic	50	UD	U	50	ug/L	6100-SW22
BG536		04/13/2021	5	7440-39-3	Barium	1000	UD	U	1000	ug/L	6100-SW22
BG536		04/13/2021	5	7440-41-7	Beryllium	25	UD	U	25	ug/L	6100-SW22
BG536		04/13/2021	5	7440-43-9	Cadmium	25	UD	U	25	ug/L	6100-SW22
BG536		04/13/2021	5	7440-70-2	Calcium	330000	D		25000	ug/L	6100-SW22
BG536		04/13/2021	5	7440-47-3	Chromium	50	UD	U	50	ug/L	6100-SW22
BG536		04/13/2021	5	7440-48-4	Cobalt	250	UD	U	250	ug/L	6100-SW22
BG536		04/13/2021	5	7440-50-8	Copper	120	UD	U	120	ug/L	6100-SW22
BG536		04/13/2021	5	7439-89-6	Iron	500	UD	U	500	ug/L	6100-SW22
BG536		04/13/2021	5	7439-92-1	Lead	50	UD*	U	50	ug/L	6100-SW22
BG536		04/13/2021	5	7439-95-4	Magnesium	1100000	DX*		25000	ug/L	6100-SW22
BG536		04/13/2021	5	7439-96-5	Manganese	26	JD	J	75	ug/L	6100-SW22
BG536		04/13/2021	5	7440-02-0	Nickel	200	UD	U	200	ug/L	6100-SW22
BG536		04/13/2021	5	7440-09-7	Potassium	340000	DX*		25000	ug/L	6100-SW22
BG536		04/13/2021	5	7782-49-2	Selenium	180	UD	U	180	ug/L	6100-SW22
BG536		04/13/2021	5	7440-22-4	Silver	50	UD	U	50	ug/L	6100-SW22
BG536		04/13/2021	40	7440-23-5	Sodium	8400000	D		200000	ug/L	6100-SW22
BG536		04/13/2021	5	7440-28-0	Thallium	120	UD	U	120	ug/L	6100-SW22
BG536		04/13/2021	5	7440-62-2	Vanadium	250	UD	U	250	ug/L	6100-SW22
BG536		04/13/2021	5	7440-66-6	Zinc	300	UD	U	300	ug/L	6100-SW22

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG537		04/13/2021	5	7429-90-5	Aluminum	1000	UD	U	1000	ug/L	6100-SW23
BG537		04/13/2021	5	7440-36-0	Antimony	300	UD	U	300	ug/L	6100-SW23
BG537		04/13/2021	5	7440-38-2	Arsenic	50	UD	U	50	ug/L	6100-SW23
BG537		04/13/2021	5	7440-39-3	Barium	1000	UD	U	1000	ug/L	6100-SW23
BG537		04/13/2021	5	7440-41-7	Beryllium	25	UD	U	25	ug/L	6100-SW23
BG537		04/13/2021	5	7440-43-9	Cadmium	25	UD	U	25	ug/L	6100-SW23
BG537		04/13/2021	5	7440-70-2	Calcium	290000	D		25000	ug/L	6100-SW23
BG537		04/13/2021	5	7440-47-3	Chromium	50	UD	U	50	ug/L	6100-SW23
BG537		04/13/2021	5	7440-48-4	Cobalt	250	UD	U	250	ug/L	6100-SW23
BG537		04/13/2021	5	7440-50-8	Copper	120	UD	U	120	ug/L	6100-SW23
BG537		04/13/2021	5	7439-89-6	Iron	500	UD	U	500	ug/L	6100-SW23
BG537		04/13/2021	5	7439-92-1	Lead	50	UD*	U	50	ug/L	6100-SW23
BG537		04/13/2021	5	7439-95-4	Magnesium	900000	DX*		25000	ug/L	6100-SW23
BG537		04/13/2021	5	7439-96-5	Manganese	39	JD	J	75	ug/L	6100-SW23
BG537		04/13/2021	5	7440-02-0	Nickel	200	UD	U	200	ug/L	6100-SW23
BG537		04/13/2021	5	7440-09-7	Potassium	290000	DX*		25000	ug/L	6100-SW23
BG537		04/13/2021	5	7782-49-2	Selenium	180	UD	U	180	ug/L	6100-SW23
BG537		04/13/2021	5	7440-22-4	Silver	50	UD	U	50	ug/L	6100-SW23
BG537		04/13/2021	40	7440-23-5	Sodium	8000000	D		200000	ug/L	6100-SW23
BG537		04/13/2021	5	7440-28-0	Thallium	120	UD	U	120	ug/L	6100-SW23
BG537		04/13/2021	5	7440-62-2	Vanadium	250	UD	U	250	ug/L	6100-SW23
BG537		04/13/2021	5	7440-66-6	Zinc	300	UD	U	300	ug/L	6100-SW23
BG538		04/13/2021	5	7429-90-5	Aluminum	1000	UD	U	1000	ug/L	6100-SW24
BG538		04/13/2021	5	7440-36-0	Antimony	300	UD	U	300	ug/L	6100-SW24
BG538		04/13/2021	5	7440-38-2	Arsenic	50	UD	U	50	ug/L	6100-SW24
BG538		04/13/2021	5	7440-39-3	Barium	1000	JD	U	1000	ug/L	6100-SW24
BG538		04/13/2021	5	7440-41-7	Beryllium	25	UD	U	25	ug/L	6100-SW24
BG538		04/13/2021	5	7440-43-9	Cadmium	25	UD	U	25	ug/L	6100-SW24
BG538		04/13/2021	5	7440-70-2	Calcium	300000	D		25000	ug/L	6100-SW24
BG538		04/13/2021	5	7440-47-3	Chromium	50	UD	U	50	ug/L	6100-SW24
BG538		04/13/2021	5	7440-48-4	Cobalt	250	UD	U	250	ug/L	6100-SW24
BG538		04/13/2021	5	7440-50-8	Copper	120	UD	U	120	ug/L	6100-SW24
BG538		04/13/2021	5	7439-89-6	Iron	500	UD	U	500	ug/L	6100-SW24
BG538		04/13/2021	5	7439-92-1	Lead	50	UD*	U	50	ug/L	6100-SW24
BG538		04/13/2021	5	7439-95-4	Magnesium	930000	DX*		25000	ug/L	6100-SW24
BG538		04/13/2021	5	7439-96-5	Manganese	140	D		75	ug/L	6100-SW24
BG538		04/13/2021	5	7440-02-0	Nickel	200	UD	U	200	ug/L	6100-SW24
BG538		04/13/2021	5	7440-09-7	Potassium	300000	DX*		25000	ug/L	6100-SW24
BG538		04/13/2021	5	7782-49-2	Selenium	180	UD	U	180	ug/L	6100-SW24
BG538		04/13/2021	5	7440-22-4	Silver	50	UD	U	50	ug/L	6100-SW24
BG538		04/13/2021	40	7440-23-5	Sodium	7500000	D		200000	ug/L	6100-SW24
BG538		04/13/2021	5	7440-28-0	Thallium	120	UD	U	120	ug/L	6100-SW24
BG538		04/13/2021	5	7440-62-2	Vanadium	250	UD	U	250	ug/L	6100-SW24
BG538		04/13/2021	5	7440-66-6	Zinc	300	UD	U	300	ug/L	6100-SW24
BG539		04/13/2021	5	7429-90-5	Aluminum	1000	UD	U	1000	ug/L	6100-SW25
BG539		04/13/2021	5	7440-36-0	Antimony	300	UD	U	300	ug/L	6100-SW25
BG539		04/13/2021	5	7440-38-2	Arsenic	50	UD	U	50	ug/L	6100-SW25
BG539		04/13/2021	5	7440-39-3	Barium	1000	UD	U	1000	ug/L	6100-SW25
BG539		04/13/2021	5	7440-41-7	Beryllium	25	UD	U	25	ug/L	6100-SW25
BG539		04/13/2021	5	7440-43-9	Cadmium	25	UD	U	25	ug/L	6100-SW25
BG539		04/13/2021	5	7440-70-2	Calcium	350000	D		25000	ug/L	6100-SW25
BG539		04/13/2021	5	7440-47-3	Chromium	50	UD	U	50	ug/L	6100-SW25
BG539		04/13/2021	5	7440-48-4	Cobalt	250	UD	U	250	ug/L	6100-SW25
BG539		04/13/2021	5	7440-50-8	Copper	120	UD	U	120	ug/L	6100-SW25
BG539		04/13/2021	5	7439-89-6	Iron	500	UD	U	500	ug/L	6100-SW25
BG539		04/13/2021	5	7439-92-1	Lead	50	UD*	U	50	ug/L	6100-SW25
BG539		04/13/2021	5	7439-95-4	Magnesium	1100000	DX*		25000	ug/L	6100-SW25
BG539		04/13/2021	5	7439-96-5	Manganese	33	JD	J	75	ug/L	6100-SW25
BG539		04/13/2021	5	7440-02-0	Nickel	200	UD	U	200	ug/L	6100-SW25
BG539		04/13/2021	5	7440-09-7	Potassium	350000	DX*		25000	ug/L	6100-SW25
BG539		04/13/2021	5	7782-49-2	Selenium	180	UD	U	180	ug/L	6100-SW25
BG539		04/13/2021	5	7440-22-4	Silver	50	UD	U	50	ug/L	6100-SW25
BG539		04/13/2021	80	7440-23-5	Sodium	8600000	D		400000	ug/L	6100-SW25
BG539		04/13/2021	5	7440-28-0	Thallium	120	UD	U	120	ug/L	6100-SW25
BG539		04/13/2021	5	7440-62-2	Vanadium	250	UD	U	250	ug/L	6100-SW25
BG539		04/13/2021	5	7440-66-6	Zinc	300	UD	U	300	ug/L	6100-SW25

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG545		04/15/2021	5	7429-90-5	Aluminum	1000	UD	U	1000	ug/L	6100-RIN01
BG545		04/15/2021	5	7440-36-0	Antimony	300	UD	U	300	ug/L	6100-RIN01
BG545		04/15/2021	5	7440-38-2	Arsenic	50	UD	U	50	ug/L	6100-RIN01
BG545		04/15/2021	5	7440-39-3	Barium	1000	UD	U	1000	ug/L	6100-RIN01
BG545		04/15/2021	5	7440-41-7	Beryllium	25	UD	U	25	ug/L	6100-RIN01
BG545		04/15/2021	5	7440-43-9	Cadmium	25	UD	U	25	ug/L	6100-RIN01
BG545		04/15/2021	5	7440-70-2	Calcium	25000	UD	U	25000	ug/L	6100-RIN01
BG545		04/15/2021	5	7440-47-3	Chromium	50	UD	U	50	ug/L	6100-RIN01
BG545		04/15/2021	5	7440-48-4	Cobalt	250	UD	U	250	ug/L	6100-RIN01
BG545		04/15/2021	5	7440-50-8	Copper	120	UD	U	120	ug/L	6100-RIN01
BG545		04/15/2021	5	7439-89-6	Iron	500	UD	U	500	ug/L	6100-RIN01
BG545		04/15/2021	5	7439-92-1	Lead	50	UD*	U	50	ug/L	6100-RIN01
BG545		04/15/2021	5	7439-95-4	Magnesium	25000	UDX*	U	25000	ug/L	6100-RIN01
BG545		04/15/2021	5	7439-96-5	Manganese	75	UD	U	75	ug/L	6100-RIN01
BG545		04/15/2021	5	7440-02-0	Nickel	200	UD	U	200	ug/L	6100-RIN01
BG545		04/15/2021	5	7440-09-7	Potassium	25000	JDX*	U	25000	ug/L	6100-RIN01
BG545		04/15/2021	5	7782-49-2	Selenium	180	UD	U	180	ug/L	6100-RIN01
BG545		04/15/2021	5	7440-22-4	Silver	50	UD	U	50	ug/L	6100-RIN01
BG545		04/15/2021	5	7440-23-5	Sodium	1400	JD	J	25000	ug/L	6100-RIN01
BG545		04/15/2021	5	7440-28-0	Thallium	120	UD	U	120	ug/L	6100-RIN01
BG545		04/15/2021	5	7440-62-2	Vanadium	250	UD	U	250	ug/L	6100-RIN01
BG545		04/15/2021	5	7440-66-6	Zinc	300	UD	U	300	ug/L	6100-RIN01
BG546		04/15/2021	5	7429-90-5	Aluminum	1000	UD	U	1000	ug/L	6100-RIN02
BG546		04/15/2021	5	7440-36-0	Antimony	300	UD	U	300	ug/L	6100-RIN02
BG546		04/15/2021	5	7440-38-2	Arsenic	50	UD	U	50	ug/L	6100-RIN02
BG546		04/15/2021	5	7440-39-3	Barium	1000	UD	U	1000	ug/L	6100-RIN02
BG546		04/15/2021	5	7440-41-7	Beryllium	25	UD	U	25	ug/L	6100-RIN02
BG546		04/15/2021	5	7440-43-9	Cadmium	25	UD	U	25	ug/L	6100-RIN02
BG546		04/15/2021	5	7440-70-2	Calcium	25000	UD	U	25000	ug/L	6100-RIN02
BG546		04/15/2021	5	7440-47-3	Chromium	50	UD	U	50	ug/L	6100-RIN02
BG546		04/15/2021	5	7440-48-4	Cobalt	250	UD	U	250	ug/L	6100-RIN02
BG546		04/15/2021	5	7440-50-8	Copper	120	UD	U	120	ug/L	6100-RIN02
BG546		04/15/2021	5	7439-89-6	Iron	500	UD	U	500	ug/L	6100-RIN02
BG546		04/15/2021	5	7439-92-1	Lead	50	UD*	U	50	ug/L	6100-RIN02
BG546		04/15/2021	5	7439-95-4	Magnesium	25000	UDX*	U	25000	ug/L	6100-RIN02
BG546		04/15/2021	5	7439-96-5	Manganese	75	UD	U	75	ug/L	6100-RIN02
BG546		04/15/2021	5	7440-02-0	Nickel	200	UD	U	200	ug/L	6100-RIN02
BG546		04/15/2021	5	7440-09-7	Potassium	25000	JDX*	U	25000	ug/L	6100-RIN02
BG546		04/15/2021	5	7782-49-2	Selenium	180	UD	U	180	ug/L	6100-RIN02
BG546		04/15/2021	5	7440-22-4	Silver	50	UD	U	50	ug/L	6100-RIN02
BG546		04/15/2021	5	7440-23-5	Sodium	25000	UD	U	25000	ug/L	6100-RIN02
BG546		04/15/2021	5	7440-28-0	Thallium	120	UD	U	120	ug/L	6100-RIN02
BG546		04/15/2021	5	7440-62-2	Vanadium	250	UD	U	250	ug/L	6100-RIN02
BG546		04/15/2021	5	7440-66-6	Zinc	300	UD	U	300	ug/L	6100-RIN02
BG548		04/14/2021	5	7429-90-5	Aluminum	1000	UD	U	1000	ug/L	6100-SW26
BG548		04/14/2021	5	7440-36-0	Antimony	300	UD	U	300	ug/L	6100-SW26
BG548		04/14/2021	5	7440-38-2	Arsenic	50	UD	U	50	ug/L	6100-SW26
BG548		04/14/2021	5	7440-39-3	Barium	1000	JD	U	1000	ug/L	6100-SW26
BG548		04/14/2021	5	7440-41-7	Beryllium	25	UD	U	25	ug/L	6100-SW26
BG548		04/14/2021	5	7440-43-9	Cadmium	25	UD	U	25	ug/L	6100-SW26
BG548		04/14/2021	5	7440-70-2	Calcium	250000	D		25000	ug/L	6100-SW26
BG548		04/14/2021	5	7440-47-3	Chromium	50	UD	U	50	ug/L	6100-SW26
BG548		04/14/2021	5	7440-48-4	Cobalt	250	UD	U	250	ug/L	6100-SW26
BG548		04/14/2021	5	7440-50-8	Copper	120	UD	U	120	ug/L	6100-SW26
BG548		04/14/2021	5	7439-89-6	Iron	500	UD	U	500	ug/L	6100-SW26
BG548		04/14/2021	5	7439-92-1	Lead	50	UD*	U	50	ug/L	6100-SW26
BG548		04/14/2021	5	7439-95-4	Magnesium	760000	DX*		25000	ug/L	6100-SW26
BG548		04/14/2021	5	7439-96-5	Manganese	31	JD	J	75	ug/L	6100-SW26
BG548		04/14/2021	5	7440-02-0	Nickel	200	UD	U	200	ug/L	6100-SW26
BG548		04/14/2021	5	7440-09-7	Potassium	240000	DX*		25000	ug/L	6100-SW26
BG548		04/14/2021	5	7782-49-2	Selenium	180	UD	U	180	ug/L	6100-SW26
BG548		04/14/2021	5	7440-22-4	Silver	50	UD	U	50	ug/L	6100-SW26
BG548		04/14/2021	40	7440-23-5	Sodium	6700000	D		200000	ug/L	6100-SW26
BG548		04/14/2021	5	7440-28-0	Thallium	120	UD	U	120	ug/L	6100-SW26
BG548		04/14/2021	5	7440-62-2	Vanadium	250	UD	U	250	ug/L	6100-SW26
BG548		04/14/2021	5	7440-66-6	Zinc	300	UD	U	300	ug/L	6100-SW26

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
LCS01		04/29/2021	1	7429-90-5	Aluminum	390		J+	200	ug/L	
LCS01		04/29/2021	1	7440-36-0	Antimony	120			60	ug/L	
LCS01		04/29/2021	1	7440-38-2	Arsenic	19			10	ug/L	
LCS01		04/29/2021	1	7440-39-3	Barium	400		J+	200	ug/L	
LCS01		04/29/2021	1	7440-41-7	Beryllium	9.8			5.0	ug/L	
LCS01		04/29/2021	1	7440-43-9	Cadmium	10			5.0	ug/L	
LCS01		04/29/2021	1	7440-70-2	Calcium	10000			5000	ug/L	
LCS01		04/29/2021	1	7440-47-3	Chromium	22			10	ug/L	
LCS01		04/29/2021	1	7440-48-4	Cobalt	110			50	ug/L	
LCS01		04/29/2021	1	7440-50-8	Copper	48			25	ug/L	
LCS01		04/29/2021	1	7439-89-6	Iron	200			100	ug/L	
LCS01		04/29/2021	1	7439-92-1	Lead	19			10	ug/L	
LCS01		04/29/2021	1	7439-95-4	Magnesium	9700			5000	ug/L	
LCS01		04/29/2021	1	7439-96-5	Manganese	31			15	ug/L	
LCS01		04/29/2021	1	7440-02-0	Nickel	78			40	ug/L	
LCS01		04/29/2021	1	7440-09-7	Potassium	9600		J+	5000	ug/L	
LCS01		04/29/2021	1	7782-49-2	Selenium	70			35	ug/L	
LCS01		04/29/2021	1	7440-22-4	Silver	20			10	ug/L	
LCS01		04/30/2021	1	7440-23-5	Sodium	10000			5000	ug/L	
LCS01		04/29/2021	1	7440-28-0	Thallium	52			25	ug/L	
LCS01		04/29/2021	1	7440-62-2	Vanadium	100			50	ug/L	
LCS01		04/29/2021	1	7440-66-6	Zinc	110			60	ug/L	
BG528S		04/13/2021	5	7429-90-5	Aluminum	2000	D	J+	1000	ug/L	
BG528S		04/13/2021	5	7440-36-0	Antimony	100	JD	J	300	ug/L	
BG528S		04/13/2021	5	7440-38-2	Arsenic	49	JD	J	50	ug/L	
BG528S		04/13/2021	5	7440-39-3	Barium	2000	D	J+	1000	ug/L	
BG528S		04/13/2021	5	7440-41-7	Beryllium	50	D		25	ug/L	
BG528S		04/13/2021	5	7440-43-9	Cadmium	50	D		25	ug/L	
BG528S		04/13/2021	5	7440-47-3	Chromium	210	D		50	ug/L	
BG528S		04/13/2021	5	7440-48-4	Cobalt	480	D		250	ug/L	
BG528S		04/13/2021	5	7440-50-8	Copper	250	D		120	ug/L	
BG528S		04/13/2021	5	7439-89-6	Iron	1100	D		500	ug/L	
BG528S		04/13/2021	5	7439-92-1	Lead	26	JD*	J	50	ug/L	
BG528S		04/13/2021	5	7439-96-5	Manganese	530	D		75	ug/L	
BG528S		04/13/2021	5	7440-02-0	Nickel	520	D		200	ug/L	
BG528S		04/13/2021	5	7782-49-2	Selenium	110	JD	J	180	ug/L	
BG528S		04/13/2021	5	7440-22-4	Silver	53	D		50	ug/L	
BG528S		04/13/2021	5	7440-28-0	Thallium	59	JD	J	120	ug/L	
BG528S		04/13/2021	5	7440-62-2	Vanadium	500	D		250	ug/L	
BG528S		04/13/2021	5	7440-66-6	Zinc	550	D		300	ug/L	
PBW01		04/29/2021	1	7429-90-5	Aluminum	200	U	U	200	ug/L	
PBW01		04/29/2021	1	7440-36-0	Antimony	60	U	U	60	ug/L	
PBW01		04/29/2021	1	7440-38-2	Arsenic	10	U	U	10	ug/L	
PBW01		04/29/2021	1	7440-39-3	Barium	200	U	U	200	ug/L	
PBW01		04/29/2021	1	7440-41-7	Beryllium	5.0	U	U	5.0	ug/L	
PBW01		04/29/2021	1	7440-43-9	Cadmium	5.0	U	U	5.0	ug/L	
PBW01		04/29/2021	1	7440-70-2	Calcium	5000	U	U	5000	ug/L	
PBW01		04/29/2021	1	7440-47-3	Chromium	10	U	U	10	ug/L	
PBW01		04/29/2021	1	7440-48-4	Cobalt	50	U	U	50	ug/L	
PBW01		04/29/2021	1	7440-50-8	Copper	25	U	U	25	ug/L	
PBW01		04/29/2021	1	7439-89-6	Iron	100	U	U	100	ug/L	
PBW01		04/29/2021	1	7439-92-1	Lead	10	U	U	10	ug/L	
PBW01		04/29/2021	1	7439-95-4	Magnesium	5000	U	U	5000	ug/L	
PBW01		04/29/2021	1	7439-96-5	Manganese	15	U	U	15	ug/L	
PBW01		04/29/2021	1	7440-02-0	Nickel	40	U	U	40	ug/L	
PBW01		04/29/2021	1	7440-09-7	Potassium	5000	U	U	5000	ug/L	
PBW01		04/29/2021	1	7782-49-2	Selenium	35	U	U	35	ug/L	
PBW01		04/29/2021	1	7440-22-4	Silver	10	U	U	10	ug/L	
PBW01		04/30/2021	1	7440-23-5	Sodium	5000	U	U	5000	ug/L	
PBW01		04/29/2021	1	7440-28-0	Thallium	25	U	U	25	ug/L	
PBW01		04/29/2021	1	7440-62-2	Vanadium	50	U	U	50	ug/L	
PBW01		04/29/2021	1	7440-66-6	Zinc	60	U	U	60	ug/L	
BG528A		04/13/2021	1	7439-92-1	Lead	0.10	U	U	0.10	ug/L	
BG528D		04/13/2021	1	7439-97-6	Mercury	0.20	U	UJ	0.20	ug/L	
BG528		04/13/2021	1	7439-97-6	Mercury	0.20	U	UJ	0.20	ug/L	6100-SW01
BG529		04/13/2021	1	7439-97-6	Mercury	0.20	U	UJ	0.20	ug/L	6100-SW04

SAMPLE_NAME	SAMPLE_MATRIX_CODE	SAMPLE_DATE	DILUTION_FACTOR	CAS_RN	CHEMICAL_NAME	RESULT_VALUE	LAB_QUALIFIERS	VALIDATOR_QUALIFIERS	REPORTING_DETECTION_LIMIT	RESULT_UNIT	SCRIBE_SAMPLE_ID
BG530		04/14/2021	1	7439-97-6	Mercury	0.20	U	UJ	0.20	ug/L	6100-SW09
BG531		04/14/2021	1	7439-97-6	Mercury	0.20	U	UJ	0.20	ug/L	6100-SW11
BG532		04/14/2021	1	7439-97-6	Mercury	0.20	U	UJ	0.20	ug/L	6100-SW13
BG533		04/14/2021	1	7439-97-6	Mercury	0.20	U	UJ	0.20	ug/L	6100-SW14
BG534		04/15/2021	1	7439-97-6	Mercury	0.20	U	UJ	0.20	ug/L	6100-SW21
BG536		04/13/2021	1	7439-97-6	Mercury	0.20	U	UJ	0.20	ug/L	6100-SW22
BG537		04/13/2021	1	7439-97-6	Mercury	0.20	U	UJ	0.20	ug/L	6100-SW23
BG538		04/13/2021	1	7439-97-6	Mercury	0.20	U	U	0.20	ug/L	6100-SW24
BG539		04/13/2021	1	7439-97-6	Mercury	0.20	U	U	0.20	ug/L	6100-SW25
BG545		04/15/2021	1	7439-97-6	Mercury	0.20	U	U	0.20	ug/L	6100-RIN01
BG546		04/15/2021	1	7439-97-6	Mercury	0.20	U	U	0.20	ug/L	6100-RIN02
BG548		04/14/2021	1	7439-97-6	Mercury	0.20	U	U	0.20	ug/L	6100-SW26
BG528S		04/13/2021	1	7439-97-6	Mercury	0.79		J-	0.20	ug/L	
PBW01		04/27/2021	1	7439-97-6	Mercury	0.20	U	UJ	0.20	ug/L	

GEOLOGY OF THE "20-FOOT" CLAY AND GARDINERS CLAY IN SOUTHERN NASSAU AND SOUTHWESTERN SUFFOLK COUNTIES, LONG ISLAND, NEW YORK

By Thomas P. Doriski and Franceska Wilde-Katz

U.S. GEOLOGICAL SURVEY

Water-Resources Investigations Report 82-4056

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Syosset, New York

1983

UNITED STATES DEPARTMENT OF THE INTERIOR

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CONTENTS

	Page
Abstract	1
Introduction	1
Location and geologic setting	2
Purpose and scope	2
Previous investigations	3
Method of investigation	3
Acknowledgments	3
Geologic units	4
Matawan Group-Magothy Formation, undifferentiated	4
Monmouth Group	6
Jameco Gravel	6
Gardiners Clay	6
"20-foot" clay	7
Summary	8
References cited	8

ILLUSTRATION

Figure 1. Map showing location of study area on Long Island 2

TABLES

Table 1. Summary of stratigraphy and correlative hydrostratigraphy of deposits underlying southern Nassau and southwestern Suffolk Counties 5

2. Well depth and altitude data on selected wells in southern Nassau, southwestern Suffolk, and eastern Queens Counties . . 10

PLATES

(in pocket)

Plate 1. Map showing locations of selected wells

2. Map showing surface altitude of Matawan Group-Magothy Formation, undifferentiated

3. Geologic sections A-A', B-B', C-C', D-D', and E-E'

4. Map showing surface altitude of Monmouth Group and Jameco Gravel

5-6. Maps of Gardiners Clay showing:

5. Surface altitude

6. Thickness

7-8. Maps of "20-foot" clay showing:

7. Surface altitude

8. Thickness

FACTORS FOR CONVERTING INCH-POUND UNITS OF MEASURE TO INTERNATIONAL SYSTEM OF UNITS (SI)

Multiply inch-pound units	By	To obtain SI units
foot (ft)	0.3048	meter (m)
mile (mi)	1.609	kilometer (km)

GEOLOGY OF THE "20-FOOT" CLAY AND GARDINERS CLAY IN SOUTHERN NASSAU AND SOUTHWESTERN SUFFOLK COUNTIES, LONG ISLAND, NEW YORK

by

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ABSTRACT

Data from 1978-79 drilling was compiled with information from previous reports and historical records to prepare surface-contour and isopach maps of the "20-foot" clay and Gardiners Clay in southern Nassau and southwestern Suffolk Counties. These units are major confining layers in the upper part of the ground-water reservoir along Long Island's south shore. Where present, they influence the ground-water flow patterns locally.

The "20-foot" clay, previously mapped in Nassau County only, was found in test borings in Suffolk County also. Its surface altitude ranges from 20 to 40 feet below NGVD (National Geodetic Vertical Datum of 1929); thickness ranges from 0 to 30 feet. The surface altitude of the Gardiners Clay ranges from 40 to 120 feet below NGVD; thickness ranges from 0 to 90 feet. Previously known discontinuities in both formations are more accurately delineated, and several new discontinuities have been inferred from the new data.

The Matawan Group-Magothy Formation undifferentiated, the Monmouth Group, and the Jameco Gravel directly underlie the Gardiners Clay. Revised surface altitudes of these formations are depicted on maps and cross sections of the south-shore area.

INTRODUCTION

In the late 1970's, the U.S. Geological Survey began a study to predict, by digital computer model, the impact of sanitary sewering on the ground-water reservoir in southern Nassau and southwestern Suffolk Counties. To accurately predict the impact of hydrologic changes (such as sewering, pumping, or artificial recharge) on a ground-water reservoir, it is necessary to understand the geologic framework.

In 1978-79, the Survey conducted a drilling program to gain more complete information on the geologic framework of the system, especially the extent and thickness of two important confining units that strongly influence ground-water flow patterns in the upper part of the ground-water reservoir.

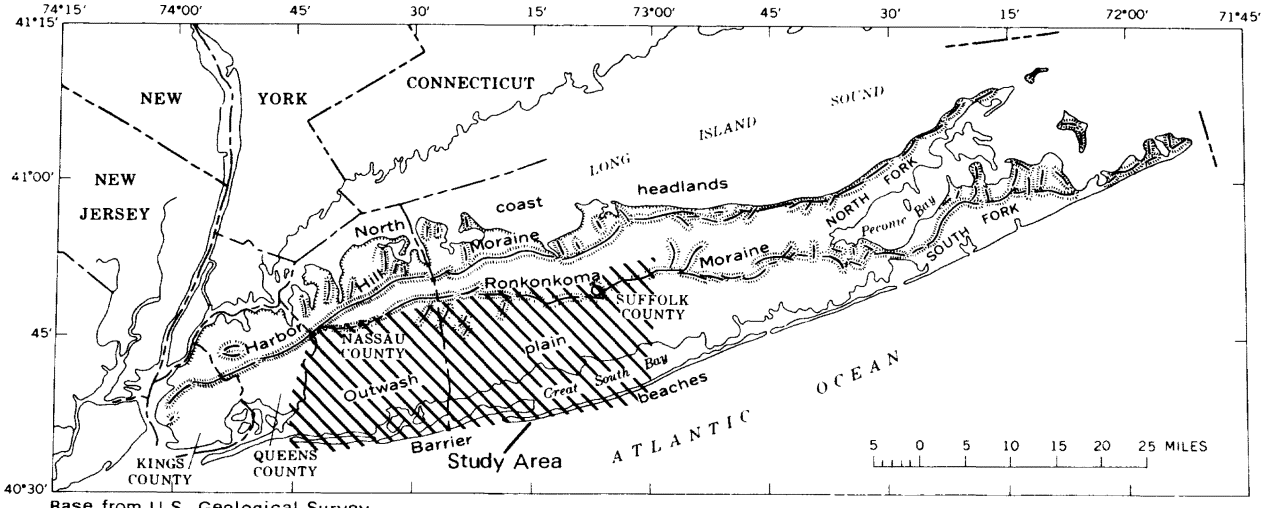
Location and Geologic Setting

Southern Nassau County and adjacent southwestern Suffolk County are on Long Island's outwash plain, which extends about 10 mi southward from the Ronkonkoma and Harbor Hill terminal moraines to the south shore. The south shore is characterized by swamps and lagoons bordering Great South Bay, which is in turn contained by the south-shore barrier islands (fig. 1).

Long Island is underlain by a thick sequence of unconsolidated Cretaceous and Pleistocene sediments extending from land surface to crystalline bedrock. These sediments contain the ground-water reservoir, the only source of fresh-water for Nassau and Suffolk Counties. Along the south shore, the upper part of this sequence contains the two confining layers that were studied in detail--the "20-foot" clay and the Gardiners Clay.

Purpose and Scope

This report depicts in detail the areal extent, altitude, thickness, and lithology of the "20-foot" clay and Gardiners Clay (the two thickest and most extensive near-surface confining layers in the area) and redefines the surface of the geologic units that directly underlie these clay units at various locations--the Matawan Group-Magothy Formation, undifferentiated, the Monmouth Group, and the Jameco Gravel.



Base from U.S. Geological Survey
State base map, 1974

Figure 1.--Location of study area on Long Island, New York. (Modified from McClymonds and Franke, 1972, p. 3.)

Previous Investigations

Veatch and others (1906), Fuller (1914), and Suter and others (1949) mapped and described the geology of Long Island; Perlmutter and Crandell (1959) and Perlmutter and Todd (1965) described the hydrogeology of the south shore. Hydrogeologic and geologic information on western Suffolk County was updated by Soren (1971) and Jensen and Soren (1971, 1974); the information on Nassau County was updated by Perlmutter and Geraghty (1963) and Ku and others (1975).

Method of Investigation

A drilling program was conducted in 1978-79 to gain detailed geologic and hydrologic information on the "20-foot" clay and Gardiners Clay. (Locations of well borings are shown in pl. 1.) All test holes and wells in this program were drilled with standard or reverse rotary drilling rigs. Split spoon cores were taken at 5- to 10-ft intervals from just above the clay units to the underlying units. Wash samples were examined continuously during drilling. Geophysical logs (gamma-ray, resistivity, and spontaneous potential) were made at each site to supplement the core and wash-sample data. This information, supplemented by published data (previous hydrogeologic reports and surface-extent maps) and well records on file at the U.S. Geological Survey office in Syosset, N.Y., and the New York State Department of Environmental Conservation at Stony Brook, N.Y., was used to prepare the maps and cross sections herein.

All wells and test borings used in this report are listed in table 2 (at end of report), which also gives land-surface altitude and well depth to indicate which wells and borings are deep enough to be considered control points on the Gardiners Clay maps (pls. 5 and 6) in the areas of discontinuity. Some wells penetrated only the "20-foot" clay.

Acknowledgments

This report was prepared in cooperation with the New York State Department of Environmental Conservation, the Nassau-Suffolk Regional Planning Board, the Suffolk County Department of Health Services, the Nassau County Department of Public Works, and the U.S. Environmental Protection Agency. The authors extend thanks to Geraghty and Miller, Inc., and R. E. Wright Associates, Inc., for their assistance in establishing and supervising the drilling programs, and to Layne-New York, Strata Well, and Delta Well drilling companies for their assistance in obtaining geological and geophysical information.

GEOLOGIC UNITS

The geologic units and corresponding hydrogeologic units that form the ground-water reservoir of Long Island, and their stratigraphic relationships, are summarized in table 1. The following sections describe the composition, extent, altitude, and thickness of the "20-foot" clay and the Gardiners Clay and the extent and altitude of the units directly underlying them. The unit descriptions are given in order of deposition, from oldest to youngest.

Matawan Group-Magothy Formation, Undifferentiated

The Matawan Group-Magothy Formation, undifferentiated, is a deltaic deposit of Cretaceous age that extends throughout the area studied. Its upper surface altitude ranges from 250 to -500 ft NGVD (pl. 2); thickness ranges from 400 ft at the northern extent of the study area to 900 ft beneath the south shore. The Matawan Group-Magothy Formation disconformably overlies the Raritan Formation and is disconformably overlain by the Monmouth Group, the Jameco Gravel, the Gardiners Clay, or upper Pleistocene deposits, depending on location. The Matawan Group-Magothy Formation is typically a gray and white, fine to coarse sand with some interstitial clay. Detailed lithologic descriptions are given in Soren (1978); Ku and others (1975); and Jensen and Soren (1974).

The upper surface of the Matawan Group-Magothy Formation is depicted in the cross sections in plate 3. One area of the Matawan Group-Magothy Formation surface that is of particular interest in relation to the Gardiners Clay is the valley in the triangular area bounded by Veterans Memorial Highway, Sunrise Highway, and Connetquot River in Suffolk County (pls. 2 and 3, cross sections B-B' and C-C'; wells 65340 and 67074, pl. 1). No deep-well data have as yet been obtained from this valley south of Sunrise Highway; therefore, interpretation of the position of the overlying units is somewhat tentative.

In this report, the valley is interpreted as post-Cretaceous and may be related to a Pliocene erosion interval described by Veatch (1906, p. 32, pl. 6a). Veatch shows a drainage channel from Connecticut crossing Long Island in the same area as the valley shown on plate 2. (The valley beneath Lake Ronkonkoma may also be connected to the valley south of Veterans Memorial Highway.) If the valley was formed during a Pliocene erosion interval, the Monmouth Group and the upper surface of the Matawan Group-Magothy Formation (both Cretaceous) were eroded away. After this erosion period, the valley was probably filled in with channel deposits. Driller's and geologist's logs, as well as geophysical logs from wells 65340, 67074, and 68690 (not included in pl. 1 because of proximity to 65340) indicate that the deposits from -130 to -270 ft NGVD are different from typical Pleistocene outwash deposits and may be a localized Pliocene or Pleistocene (pre-Sangamon) channel deposit. If this interpretation is correct, the Gardiners Clay is continuous and relatively uniform over this area, which is important if it is to act as a confining layer.

Table 1.--Summary of stratigraphy and correlative hydrostratigraphy of deposits underlying southern Nassau and southwestern Suffolk Counties, New York

System	Series	Age	Stratigraphic Unit		Hydrostratigraphic Unit
QUATERNARY	Holocene	Postglacial	Holocene (recent) deposits		Upper glacial aquifer
	Pleistocene	Wisconsin (upper Pleistocene)	Upper Pleistocene deposits		
			"20-foot" clay		"20-foot" clay
			Upper Pleistocene deposits		Upper glacial aquifer
			unconformity		
		Sangamon	Gardiners Clay		Gardiners Clay
			unconformity		
		Pre-Sangamon (Illinoian or Kansan)	Jameco Gravel[1]		Jameco aquifer[1]
Quaternary and Tertiary, undifferentiated	Pre-Sangamon to Post-Cretaceous, undifferentiated		Reworked Matawan-Magothy channel deposits		Upper glacial or Magothy aquifer
	unconformity				
CRETACEOUS	Upper Cretaceous		Monmouth Group		Monmouth greensand
			unconformity		
			Matawan Group-Magothy Formation, undifferentiated		Magothy aquifer
			unconformity		
			Raritan Formation	Unnamed clay member	Raritan confining unit
				Lloyd Sand Member	Lloyd aquifer
	unconformity				
Precambrian			Bedrock		Relatively impermeable bedrock

[1]Present in Nassau County only

Two other interpretations are that (1) all units were deposited, then eroded, by a glacial meltwater stream of Wisconsin age, or (2) the valley was formed during the Cretaceous, so that the Monmouth Group and Gardiners Clay overlying it contain corresponding valleys. In either case, the Gardiners Clay would be discontinuous and not function as a confining layer in this area.

Monmouth Group

The Monmouth Group is a marine deposit of Cretaceous age that occurs along the barrier islands primarily in Suffolk County. Its upper surface altitude ranges from -70 to -165 ft NGVD (pls. 3, 4); thickness ranges from 0 to 200 ft. The Monmouth Group disconformably overlies the Matawan Group-Magothy Formation and is disconformably overlain by the Gardiners Clay. The Monmouth Group is typically a greenish-black glauconitic and lignitic clay, silt, or clayey to silty sand. A more detailed lithologic description of the Monmouth Group is given in Jensen and Soren (1974).

Jameco Gravel

The Jameco Gravel, a stream deposit, is pre-Sangamon, possibly of Illinoian or Kansan age (Soren, 1978). It occurs primarily in Queens County but extends into the extreme southwestern part of Nassau County, where its upper surface altitude ranges from -80 to -140 ft NGVD (pls. 3, 4) and thickness ranges from 0 to 100 ft. It disconformably overlies the Matawan Group-Magothy Formation and is disconformably overlain by the Gardiners Clay. The Jameco Gravel is typically a dark brown and dark gray granule to cobble gravel. The depositional history and a more detailed lithologic description of the Jameco Gravel are given in Soren (1978).

Gardiners Clay

The Gardiners Clay is a marine deposit along the south shore of Long Island. In southern Nassau County and southwestern Suffolk County, its upper surface altitude ranges from -40 to -120 ft NGVD (pls. 3, 5); thickness ranges from 0 ft at the northern limit to 90 ft at the barrier islands (pls. 3, 6). The deposit disconformably overlies either the Matawan Group-Magothy Formation, the Monmouth Group, or the Jameco Gravel, depending on location, and is disconformably overlain by upper Pleistocene deposits.

The age of the Gardiners Clay exceeds 38,000 years, according to carbon-14 dating tests on oyster shells found in the unit at two localities in Nassau County (Swarzenski, 1963, p. 20). As a result of this dating, as well as the stratigraphic position of this unit, the Gardiners Clay has been considered to be of Sangamon age (Soren, 1971, p. 15).

The Gardiners Clay is typically grayish-green to gray and contains a few sand and silt beds, which generally make up less than 10 percent of the total thickness of the unit in a specific area. The mineral assemblage commonly contains glauconite, quartz, muscovite, biotite, pyroxene, amphibole, and a complete clay mineral suite of illite, chlorite, mixed-layer clays, and minor

kaolinite (Lonnie, 1982). The clay also contains diatoms, foraminifera, shell fragments of pelecypods and gastropods, and peat. A more detailed discussion of the Gardiners Clay is given in Perlmutter and Geraghty (1963, p. A32-A35).

The surface of the Gardiners Clay in plate 5 is a revision of the areal-extent maps by Perlmutter and Geraghty (1963, p. 33A) and Jensen and Soren (1974). The major difference between plate 5 and those maps is the improved delineation of the unit's absence in long, narrow north-south channels along the south shore (pls. 5, 6). These absences probably correspond to areas of erosion by glacial meltwater streams and areas of nondeposition. Although the Gardiners Clay is generally continuous along the south shore, these areas are delineated because of their hydrologic importance in influencing the ground-water flow patterns. Where the clay is absent, the upper aquifer has good hydraulic connection with the lower aquifer; where the clay is present, the upper aquifer has poor hydraulic connection with the lower aquifer. This discontinuity and other discrepancies between plates 5 and 6 and earlier maps were determined through the 1978-79 drilling program and the correlation of unpublished well and test-hole data.

The thickness of the Gardiners Clay (pl. 6) is hydrologically important because it largely controls the water-transmitting property of the clay. The thickness of the formation increases southward to the barrier islands. In some areas along the south shore, the lower several feet of the Gardiners Clay may contain a sand or gravel facies. These facies are included as part of the clay unit in the geologic isopach map (pl. 6) but are not represented in the Geological Survey's ground-water model developed by Reilly and others (written commun., 1981) because they are not confining.

"20-Foot" Clay

The "20-foot" clay is a marine deposit within the upper Pleistocene deposits near the south shore. Its upper surface altitude ranges from -20 to -40 ft NGVD (pls. 3, 7); thickness ranges from 0 ft at the northern limit to 30 ft at the barrier islands (pls. 3, 8). The unit overlies upper Pleistocene deposits that range in thickness from 2 to 40 ft and is overlain by upper Pleistocene deposits. The "20-foot" clay was probably deposited during an interstadial period in the Wisconsin glaciation (table 1). The upper Pleistocene deposits underlying the "20-foot" clay are generally a light brown, fine to medium-grained sand (although drillers' logs report some gravel), and are considered to be outwash deposits. The deposits that overlie the "20-foot" clay are also outwash but, in general, are brown, coarser grained, and contain more gravel. The "20-foot" clay directly overlies the Matawan Group-Magothy Formation or Gardiners Clay at several locations where the upper Pleistocene deposits have been removed by erosion. (See pl. 3, well N-5227 near Jones Inlet.)

The surface of the "20-foot" clay in plate 7 is revised from the areal-extent map by Perlmutter and Geraghty (1963, p. 33A) and shows the discontinuity of the clay layer (absences of the unit in narrow, north-south channels) in greater detail. Previous reports do not indicate the "20-foot" clay to extend into Suffolk County, but data obtained during the 1978-79 drilling program indicate it to be present on the barrier island in Suffolk County (pl. 7).

The "20-foot" clay is lithologically similar to the Gardiners Clay, with the same mineral assemblage and fossils. In this study, the "20-foot" clay and Gardiners Clay were identified primarily by stratigraphic position. Their correlation in western Nassau County was relatively easy because they are separated by 15 to 40 ft of upper Pleistocene deposits; in eastern Nassau County, however, they are separated by a smaller thickness of upper Pleistocene deposits (2 to 15 ft), and the correlations in this area are more tentative.

SUMMARY

A drilling program conducted during 1978-79 provided new hydrologic and geologic information on the "20-foot" clay and Gardiners Clay that enabled revision of previous maps. The new surface-altitude and isopach maps depict the extent of the two units in greater detail than previous reports, especially the discontinuities in the general area of deposition along the south shore of Long Island. The "20-foot" clay, which was previously reported and mapped in Nassau County only, was encountered in some of the well borings in Suffolk County. The new information also allowed revision of the topography of the underlying units in contact with these clay layers--the Matawan Group-Magothy Formation, Monmouth Group and the Jameco Gravel.

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Table 2.--Well depth and altitude data on selected wells in southern Nassau, southwestern Suffolk, and eastern Queens Counties, New York

[Altitudes are feet above NGVD of 1929; depths are feet below land-surface altitude. N, Nassau; Q, Queens; S, Suffolk]

Well no.	Land-surface altitude	Well depth	Well no.	Land-surface altitude	Well depth
N 2	19	82	N 941	55	67
N 3	5	465	N 1038	60	115
N 6	15	338	N 1335	25	142
N 17	104	470	N 1346	5	148
N 47	6	182	N 1499	6	245
N 48	17	523	N 1585	65	88
N 54	28	101	N 1602	30	593
N 57	11	150	N 1658	115	300
N 62	10	200	N 1742	20	272
N 69	21	505	N 1744	20	77
N 72	45	616	N 1869	10	132
N 73	30	716	N 1922	125	191
N 93	75	82	N 1927	10	1,471
N 101	108	399	N 1958	113	754
N 130	5	68	N 2006	45	63
N 134	15	556	N 2064	5	71
N 135	20	150	N 2203	5	182
N 136	25	122	N 2225	5	174
N 137	10	90	N 2349	55	106
N 138	25	125	N 2359	5	63
N 140	55	156	N 2400	166	487
N 141	28	109	N 2413	52	526
N 184	10	161	N 2572	5	100
N 185	45	272	N 2574	20	544
N 248	15	190	N 2580	75	76
N 319	10	386	N 2597	6	1,244
N 320	5	383	N 2921	8	120
N 440	8	80	N 3078	5	146
N 559	25	150	N 3147	121	250
N 578	110	415	N 3185	100	499
N 629	55	71	N 3193	85	320
N 637	5	187	N 3197	20	48
N 647	12	44	N 3245	5	215
N 693	90	107	N 3312	70	307
N 914	10	114	N 3325	5	120

Table 2.--Well depth and altitude data on selected wells in southern Nassau, southwestern Suffolk, and eastern Queens Counties, New York (continued)

Well no.	Land-surface altitude	Well depth	Well no.	Land-surface altitude	Well depth
N 3355	183	1,248	N 3905	130	770
N 3448	7	1,250	N 3926	14	115
N 3465	80	562	N 3937	25	677
N 3479	30	72	N 4077	76	538
N 3488	117	351	N 4095	150	527
N 3520	30	475	N 4120	35	458
N 3529	10	106	N 4149	5	878
N 3581	8	57	N 4150	7	826
N 3603	75	533	N 4334	65	161
N 3605	48	585	N 4382	114	220
N 3618	88	420	N 4411	17	568
N 3636	50	356	N 4425	60	375
N 3653	15	47	N 4512	35	522
N 3668	55	566	N 4516	10	62
N 3685	55	150	N 4657	15	72
N 3704	55	200	N 4875	25	148
N 3705	24	190	N 5079	10	153
N 3720	35	586	N 5112	18	57
N 3721	40	101	N 5145	30	504
N 3734	10	140	N 5149	147	192
N 3741	20	122	N 5153	25	355
N 3758	110	100	N 5187	35	614
N 3855	20	42	N 5227	10	1,288
N 3861	7	623	N 5233	12	549
N 3862	7	310	N 5260	55	518
N 3863	11	217	N 5292	5	92
N 3864	5	636	N 5301	107	504
N 3865	4	850	N 5302	65	490
N 3866	6	452	N 5303	60	515
N 3867	6	550	N 5304	55	503
N 3876	90	406	N 5368	130	150
N 3878	150	607	N 5484	90	579
N 3881	80	494	N 5524	5	144
N 3894	30	415	N 5654	102	335
N 3895	40	503	N 5655	130	260

Table 2.--Well depth and altitude data on selected wells in southern Nassau, southwestern Suffolk, and eastern Queens Counties, New York (continued)

Well no.	Land-surface altitude	Well depth	Well no.	Land-surface altitude	Well depth
N 5705	145	513	N 6644	90	238
N 5731	15	102	N 6651	225	620
N 5768	5	850	N 6657	5	411
N 5777	5	83	N 6660	15	88
N 5795	10	47	N 6706	6	743
N 5906	10	111	N 6741	180	423
N 5975	12	63	N 6757	5	71
N 6004	10	67	N 6769	10	72
N 6046	101	356	N 6780	5	66
N 6075	10	111	N 6791	5	78
N 6077	150	467	N 6813	10	238
N 6093	240	606	N 6817	28	578
N 6148	50	566	N 6819	130	262
N 6149	47	717	N 6834	25	703
N 6150	59	704	N 6848	110	112
N 6191	180	676	N 6893	40	564
N 6192	127	657	N 6915	90	586
N 6202	132	264	N 6929	10	35
N 6315	104	355	N 6956	170	654
N 6354	10	114	N 6965	5	137
N 6355	5	130	N 6992	24	111
N 6376	200	247	N 6996	132	120
N 6384	5	82	N 7022	60	64
N 6437	65	291	N 7030	160	538
N 6442	31	612	N 7114	9	202
N 6043	16	46	N 7117	60	491
N 6450	10	1,331	N 7124	70	155
N 6455	15	84	N 7133	9	150
N 6467	4	698	N 7160	60	699
N 6468	5	704	N 7161	10	700
N 6469	5	703	N 7353	120	415
N 6580	160	702	N 7377	65	766
N 6610	10	230	N 7433	25	95
N 6623	20	138	N 7469	20	278
N 6636	60	200	N 7482	35	460

Table 2.--Well depth and altitude data on selected wells in southern Nassau, southwestern Suffolk, and eastern Queens Counties, New York (continued)

Well no.	Land-surface altitude	Well depth	Well no.	Land-surface altitude	Well depth
N 7487	50	128	N 8319	15	180
N 7500	90	474	N 8344	10	60
N 7503	60	665	N 8354	5	1,275
N 7518	133	460	N 8369	160	195
N 7521	13	572	N 8390	45	83
N 7522	25	637	N 8414	7	1,080
N 7526	210	694	N 8434	10	68
N 7529	45	72	N 8457	105	440
N 7548	20	507	N 8466	11	474
N 7562	160	683	N 8472	126	196
N 7663	6	177	N 8480	58	719
N 7720	70	563	N 8481	8	80
N 7764	60	246	N 8482	16	82
N 7776	5	1,238	N 8487	35	70
N 7781	217	550	N 8514	5	250
N 7795	40	760	N 8520	21	934
N 7852	75	615	N 8557	9	1,295
N 7854	35	672	N 8601	104	340
N 7884	7	743	N 8662	45	60
N 8004	85	748	N 8665	57	610
N 8008	10	393	N 8668	141	493
N 8031	25	523	N 8672	35	763
N 8034	15	69	N 8704	5	67
N 8043	222	688	N 8751	20	71
N 8082	15	46	N 8807	118	150
N 8109	5	153	N 8818	55	502
N 8162	10	154	N 8829	60	68
N 8171	10	383	N 8830	40	92
N 8188	12	162	N 8837	20	681
N 8195	20	703	N 8858	10	104
N 8216	30	665	N 8873	7	207
N 8248	120	518	N 8881	40	71
N 8250	50	693	N 8896	30	97
N 8251	25	685	N 8935	15	366
N 8253	25	700	N 8988	26	110

Table 2.--Well depth and altitude data on selected wells in southern Nassau, southwestern Suffolk, and eastern Queens Counties, New York (continued)

Well no.	Land-surface altitude	Well depth	Well no.	Land-surface altitude	Well depth
N 9173	38	884	Q 2426	10	244
N 9234	105	205	Q 2955	25	455
N 9318	55	462	Q 3056	40	469
N 9523	20	138	S 12	7	315
N 9532	10	140	S 15	40	101
N 9533	10	145	S 16	20	129
N 9534	20	85	S 17	50	125
N 9535	5	105	S 18	56	400
N 9536	5	80	S 19	130	203
N 9537	28	68	S 24	150	132
N 9538	10	145	S 37	33	820
N 9539	6	60	S 42	120	1,008
N 9541	28	105	S 58	38	468
N 9550	15	125	S 74	10	111
N 9551	10	95	S 78	41	121
N 9552	15	95	S 88	40	116
N 9553	5	85	S 92	15	180
N 9554	20	100	S 95	26	463
N 9556	20	155	S 375	25	140
N 9565	40	100	S 731	85	129
N 9567	25	140	S 1052	5	97
N 9576	15	75	S 1296	240	216
N 9577	25	80	S 1370	10	375
N 9579	55	185	S 1793	320	273
N 9643	20	70	S 1801	200	175
N 9683	25	65	S 1834	10	304
N 9684	20	70	S 2314	80	480
N 9685	15	80	S 2424	110	150
N 9792	31	562	S 2459	10	131
Q 568	60	869	S 4761	5	530
Q 720	25	406	S 5134	175	160
Q 721	15	412	S 5670	230	183
Q 1815	55	306	S 5716	200	159
Q 1958	50	442	S 5869	200	191
Q 2259	50	374	S 6187	5	310

Table 2.--Well depth and altitude data on selected wells in southern Nassau, southwestern Suffolk, and eastern Queens Counties, New York (continued)

Well no.	Land-surface altitude	Well depth	Well no.	Land-surface altitude	Well depth
S 6678	1	124	S19565	44	119
S 7148	170	144	S20300	75	232
S 8128	144	385	S20305	10	448
S 8205	235	203	S20369	120	312
S 8861	290	246	S20566	26	775
S 8943	240	268	S20635	41	704
S 9067	85	300	S20924	10	485
S11279	5	408	S20955	22	630
S11428	5	180	S21009	45	432
S11538	12	120	S21362	158	565
S12079	141	445	S21375	18	501
S12379	18	75	S22015	140	722
S12441	3	162	S22169	5	433
S12628	5	159	S22278	60	184
S12873	82	388	S22351	21	558
S13591	170	309	S22494	50	120
S13854	10	319	S22577	61	907
S14326	70	225	S22910	125	946
S14825	140	193	S23058	40	217
S14904	3	238	S23059	105	204
S14940	3	191	S23183	61	500
S15008	5	479	S23445	110	610
S15212	7	290	S23455	30	81
S15539	20	315	S23626	4	526
S16395	10	477	S23823	70	407
S16526	120	301	S23848	50	634
S16604	210	183	S24846	90	517
S16936	75	211	S25674	50	625
S17181	1	314	S27258	26	607
S18003	26	671	S27739	140	925
S18075	110	627	S28035	125	326
S18473	65	660	S28212	10	325
S19048	25	735	S28339	15	686
S19123	20	209	S29491	25	499
S19317	3	484	S29776	195	720

Table 2.--Well depth and altitude data on selected wells in southern Nassau, southwestern Suffolk, and eastern Queens Counties, New York (continued)

Well no.	Land-surface altitude	Well depth	Well no.	Land-surface altitude	Well depth
S29962	208	675	S41342	130	663
S30007	101	592	S41344	79	693
S30235	280	340	S41513	108	719
S30343	60	350	S42054	40	723
S30421	125	270	S42761	75	333
S30506	75	621	S42762	26	714
S30550	6	507	S42827	35	753
S31023	100	384	S43088	90	902
S31113	7	508	S43101	40	703
S31624	110	439	S43516	55	803
S32412	110	900	S44032	118	753
S32501	26	632	S44137	39	720
S32841	61	648	S44186	165	673
S33005	33	681	S45220	10	724
S33230	240	360	S45347	130	643
S33379	134	1,580	S45839	40	726
S34021	260	710	S46235	40	721
S34063	200	736	S47672	100	734
S34100	53	711	S47711	25	221
S35063	13	710	S48422	95	735
S35669	70	118	S50630	20	243
S35670	45	172	S51609	99	729
S36460	76	611	S51673	25	778
S36714	63	354	S52236	80	98
S37140	35	312	S53274	109	800
S37144	76	202	S53339	50	798
S37145	98	210	S54099	170	703
S37494	60	622	S54155	38	721
S37681	42	583	S54957	50	378
S38035	132	450	S56423	50	800
S38192	66	605	S56508	6	709
S39518	76	725	S57008	111	635
S40057	110	623	S58708	132	423
S40330	43	337	S60127	132	489
S40818	55	754	S60812	38	488

Table 2.--Well depth and altitude data on selected wells in southern Nassau, southwestern Suffolk, and eastern Queens Counties, New York (continued)

Well no.	Land-surface altitude	Well depth	Well no.	Land-surface altitude	Well depth
S61664	28	763	S66149	40	183
S63311	130	802	S66150	25	163
S65196	69	124	S66151	5	150
S66132	100	140	S66152	115	193
S66133	63	161	S66153	50	163
S66134	50	150	S66154	30	153
S66135	30	168	S66155	20	155
S66136	5	144	S66156	15	173
S66137	160	143	S66556	50	753
S66138	60	150	S67074	70	832
S66139	45	152	S67081	4	125
S66140	24	112	S67082	12	234
S66141	5	133	S67083	12	125
S66142	150	203	S67084	9	205
S66143	70	185	S67085	7	122
S66144	55	143	S67086	10	125
S66145	40	175	S67087	10	205
S66146	10	143	S67088	10	225
S66147	10	184	S67197	64	763
S66148	66	153			

Public-Supply Pumpage in Kings, Queens, and Nassau Counties, New York, 1880-1995

By Anthony Chu, Jack Monti Jr. and Anthony J. Bellitto Jr.

U.S. GEOLOGICAL SURVEY
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Coram, New York
1997

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CONTENTS

Abstract 1
Introduction 1
Objectives of study 2
Purpose and scope 3
Acknowledgments 3
Study area 3
Physical setting 3
Historical ground-water use 3
Aquifer characteristics 5
Upper glacial (water-table) aquifer 5
Jameco aquifer 5
Port Washington aquifer 5
Magothy aquifer 5
Lloyd aquifer 10
Methods of data compilation 10
Published sources 10
Pumpage 10
Ground-water pumpage 10
References cited 11

FIGURES

1. Map showing location and pertinent features of study area, Long Island, N.Y. 2
2. Generalized geologic section showing relative positions of aquifers, Long Island, N.Y. 4
3-6. Graphs of pumpage, 1920-95, by county, Long Island, N.Y.:
3. Upper glacial aquifer 6
4. Jameco aquifer 7
5. Port Washington and Magothy aquifers 8
6. Lloyd aquifer 9

TABLES

1. Estimated pumpage capacity and reported public-supply pumpage in Kings, Queens, and Nassau Counties, N.Y., 1880-1903 12
2A. Location and aquifer screened of public-supply wells in Kings, Queens, and Nassau Counties, N.Y. 13
2B. Public-supply pumpage in Kings, Queens, and Nassau Counties, N.Y., 1898-1984 21
3. Annual public-supply pumpage totals in Kings, Queens, and Nassau Counties, N.Y., 1920-95, by aquifer and county 53
4. Maximum, minimum, and mean annual pumpage in Kings, Queens, and Nassau Counties, N.Y., 1920-95, by county and aquifer 61

CONVERSION FACTORS, ABBREVIATIONS AND VERTICAL DATUM

Multiply	By	To Obtain
	Length	
inch (in.)	2.54	centimeter
foot (ft)	0.3048	meter
	Area	
square mile (mi^2)	2.59	square kilometer
	Flow	
gallons per minute (gal/min)	3.7854	liters per minute
million gallons per day (Mgal/d)	0.0438	cubic meters per second
inch per year (in/yr)	25.40	millimeter per year
	Hydraulic conductivity	
feet per day (ft/d)	0.3048	meters per day
	Transmissivity	
square foot per day (ft^2/d)	0.0929	square meter per day

Sea level: In this report, "sea level" refers to the National Geodetic Vertical Datum of 1929 (NGVD of 1929)—a geodetic datum derived from a general adjustment of the first-order level nets of the United States and Canada, formerly called Sea Level Datum of 1929.

Public-Supply Pumpage in Kings, Queens, and Nassau Counties, New York, 1880-1995

By Anthony Chu, Jack Monti Jr., and Anthony J. Bellitto Jr.

Abstract

Records of public-supply pumpage from wells in Kings, Queens, and Nassau Counties were compiled for use in developing a ground-water flow model of western Long Island and are presented here. Pumpage data from 1880 through 1903 represent 48 well fields, and data from 1898 through 1984 represent 547 wells. These data fill gaps between (1) historical monthly and annual data compiled in a 1981 study by the U.S. Geological Survey, and (2) data provided by the New York State Department of Environmental Conservation, to provide a virtually complete set of public-supply pumpage data from 1880 through 1995. The data include a small number of estimates of annual public-supply pumpage.

INTRODUCTION

Kings and Queens Counties, on western Long Island, N.Y. (fig. 1), obtain nearly all water (about 700 Mgal/d, Buxton and Shernoff, 1995) from an upstate reservoir system operated by the City of New York. The possibility that this source will be inadequate during future droughts or other emergencies has prompted consideration of the underlying aquifer system in Kings and Queens Counties as a supplemental water-supply source. The aquifers beneath the two counties were pumped extensively through the mid-1940's until overpumping caused extensive drawdowns and induced saltwater encroachment, which necessitated the shutdown of many wells in several areas. All public-supply pumping was stopped in Kings County (Brooklyn) in 1947 to prevent further saltwater encroachment, and several wells were shut down in western Queens County in 1974 for the same reason.

Pumpage for public and industrial water supply during 1904-47 averaged more than 120 Mgal/d (Buxton and others, 1981), and drawdowns in the aquifer system in Kings County in 1936 extended to as much as 35 ft below sea level. Within 3 years after the curtailment of pumping in Kings County in 1947, water levels in the water-table aquifer had recovered to within 8 ft of predevelopment levels (Lusczynski, 1952) and have been near predevelopment levels since 1974. Even though a major cone of depression remained in eastern Queens County through the late 1980's, water levels there did not decline as far as they had in Kings County (Buxton and others, 1981). A major difficulty associated with the water-level recovery is that many of the structures and subways that were constructed when water levels were drawn down, particularly in central and east-central Kings County (fig. 1), now require constant dewatering.

The aquifer system has largely recovered from the effects of the early pumping, and the question has arisen as to whether the system could now safely be used under a monitored pumping regime as a supplement during water-supply shortages. The major concerns are (1) the extent to which intermittent pumping would induce saltwater encroachment, and (2) whether the pumping would induce the migration of contaminants (such as volatile organic compounds [VOC's] and saltwater) from the water-table aquifer to deeper aquifers. The feasibility of using the Kings-Queens aquifer system for water supply will depend on hydraulic characteristics of the aquifers and the chemical quality of the pumped water.

In 1992, the U.S. Geological Survey (USGS), in cooperation with the New York City Department of Environmental Protection, began a 4-year study to develop a ground-water-flow model that can simulate a range of pumping scenarios and indicate what effects they would have on ground-water levels and flow patterns. The results would enable water managers to select optimum rates and locations for pumping to minimize saltwater encroachment and contaminant migration.

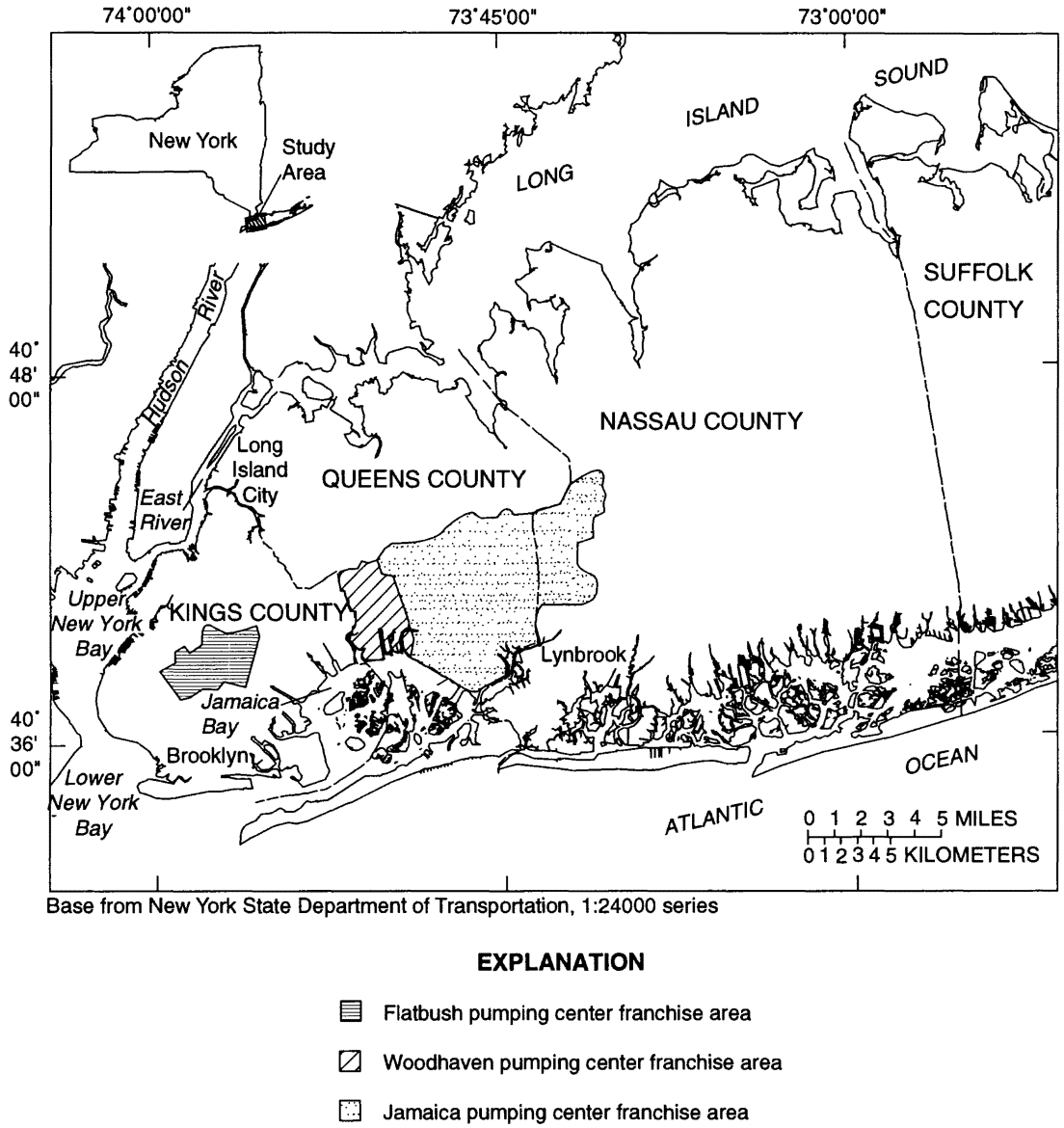

Figure 1. Location and pertinent features of study area, Long Island, N.Y.

Objectives of Study

The principal goals of the study were to:

(1) Define the ground-water quality in the Kings-Queens aquifer system, with emphasis on contamination from VOC's and saltwater.

(2) Establish a hydrologic-data-collection network in Kings and Queens Counties to obtain data for use in model calibration and future monitoring of water levels and water quality.

(3) Develop a numerical ground-water-flow model to predict the effects of present and proposed water-supply pumping and dewatering operations on ground-water levels and flow patterns.

The work proceeded in five phases:

(1) Reconnaissance of 106 wells that were sampled in Kings, Queens, and Nassau Counties in 1983 (Buxton and Shernoff, 1995). Only 87 of these 106 wells were available for resampling; the others had either been destroyed, had clogged screens, or were inaccessible.

(2) Sampling the remaining wells to locate areas with high concentrations of contaminants.

(3) Installing 15 wells in three aquifers to provide hydrogeologic information, particularly on the location of the saltwater interface (Chu and Stumm, 1995), and to augment the water-level-monitoring network.
(4) Compiling pumpage data for use in ground-water-flow model (Nassau County pumpage was included for modeling purposes).
(5) Creating a Geographic Information System (GIS) database for use in the development of the ground-water-flow model. The data elements for each well include screen depth, aquifer, water levels, water chemistry, hydrogeology, pumpage, and specific capacity.

Purpose and Scope

This report presents supplemental pumpage data that fill gaps between the historical pumpage records (1898-1903) of Veatch and others (1906), and those (1920-79, Nassau County) of Kilburn (1982), and in the recent (1985-95) records of the New York State Department of Environmental Conservation (NYSDEC). The data pertain to wells screened in the upper glacial, Jameco, Port Washington, Magothy, and Lloyd aquifers in Kings, Queens, and Nassau Counties. Total pumpage, by county and aquifer for 1920-95, as well as maximum, minimum, and average pumpage by county and aquifer, are also presented.

The report also summarizes the history of public-supply development in the study area and describes the physical and hydrogeological characteristics of the aquifers in the study area; it also explains the methods used to obtain pumpage estimates. Pumpage records from 1880 through 1903 (48 well fields) are derived solely from Veatch and others (1906), are given in table 1, and those from 1898 through 1984 (547 wells) are obtained from USGS and NYSDEC records and are given in table 2B. (Latitude, longitude, and aquifer in which these wells are screened is given in table 2A.) The pumpage data are provided as annual total pumpage by public-supply well or well field, and include a small number of estimates. Tables 1 and 2B are arranged by county, well number, and year. Annual public-supply pumpage totals by county and aquifer, obtained from the NYSDEC for 1925-95, are included in table 3, and maximum, minimum, and mean annual pumpage by county and aquifer are given in table 4. (All tables at end of report.)

Acknowledgments

The authors thank Brian Baker of the New York State Department of Environmental Conservation for facilitating the pumpage-data search.

STUDY AREA

The study area encompasses Kings, Queens, and Nassau Counties in the western part of Long Island and has a total area of about 476 mi^2 (fig. 1). This area is underlain by four major aquifers—the upper glacial, Jameco, Magothy, and Lloyd (fig. 2).

Physical Setting

The study area is bounded on the north by Long Island Sound, on the south by the Atlantic Ocean, on the east by Suffolk County, and on the west by the East River, and New York Bay (fig. 1). The southern shore of the study area includes bays, lagoons, islands, and barrier beaches. Precipitation, the sole source of naturally occurring freshwater on Long Island, ranges from 40 to 50 in/yr (Miller and Frederick, 1969). Altitudes range from 360 ft above sea level on morainal deposits to sea level at the coast. Many streams, and much of the low-lying swamp and marsh areas, were filled in as the area became urbanized.

Historical Ground-Water Use

The population of the three-county study area increased from less than 2 million in 1900 to more than 5.5 million in 1990 (U.S. Census Bureau, 1990). Before 1880, the water supply in Kings County was derived entirely from streams; Queens and Nassau Counties were still rural and undeveloped. The Kings County water-supply stream network, established in 1862, extended from Brooklyn to Lynbrook (fig. 1) and consisted of six supply ponds that, together, drained 65.6 mi^2 (Veatch and others, 1906). In 1874, Long Island City (fig. 1) became the first village to use a well for public-water supply; by the 1880's, Brooklyn was using multiple well stations to supplement the water supply for the rapidly growing population. From then on, ground water was the major source of water supply in the study area.

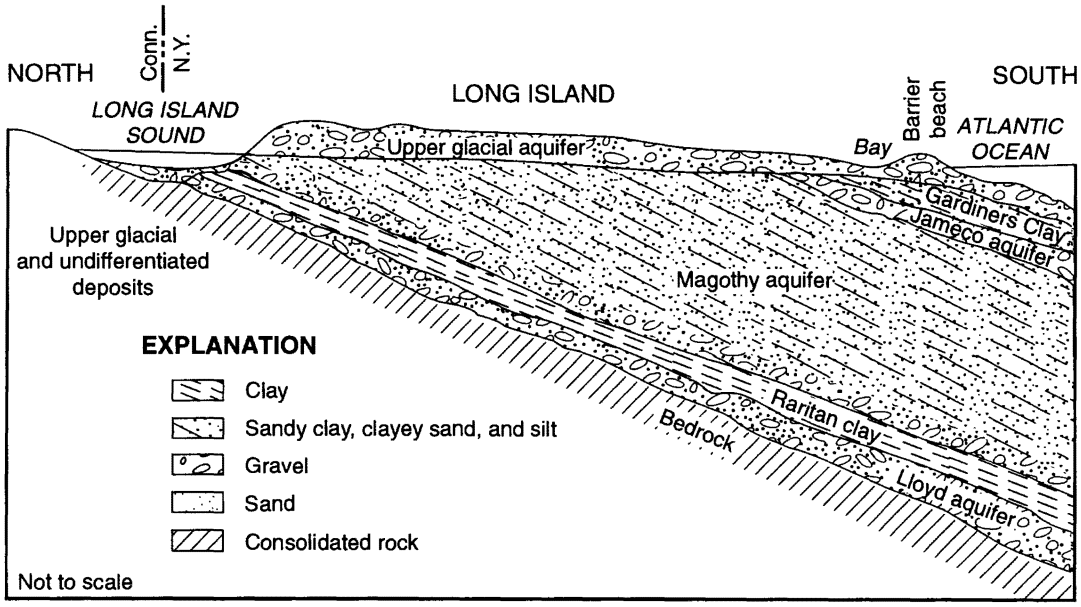

Figure 2. Generalized cross section showing relative positions of aquifers, Long Island, N.Y. (From Franke and McClymonds, 1972, fig. 8.)

In 1904, total ground-water pumpage for public supply was 51 Mgal/d—15 Mgal/d in Kings County, 27 Mgal/d in Queens, and 9 Mgal/d in Nassau (Johnson and Waterman, 1952). By 1916, total public-supply pumpage in the three counties had nearly tripled to 150 Mgal/d, and an estimated additional 75 Mgal/d was withdrawn for industrial purposes (Thompson and Leggette, 1936). The first water tunnel from upstate reservoirs was completed in 1917, and ground-water pumpage declined significantly the following year as a result.

From 1918 through 1931, public-supply pumpage in Kings, Queens, and Nassau Counties nearly quadrupled—from 46 Mgal/d to 171 Mgal/d, and industrial-supply pumpage reached historically high levels in Kings and Queens in 1933—50 Mgal/d in Kings County and 25 Mgal/d in Queens (Thompson and Leggette, 1936). These immense withdrawals prompted the passing of the Water Conservation Law of 1933, which required business owners to return nonconsumptive water pumped at a rate greater than 70 gal/min back to the source aquifer, rather than discharging it to sewers. Electric refrigeration also contributed to the reduction in ground-water pumpage because water was no longer needed to produce ice for refrigerating food (Buxton and others, 1981). Lusczynski (1952) reported pumpage for ice production to have decreased from 18 Mgal/d in 1936 to 4 Mgal/d in 1947.

By 1947, saltwater intrusion resulting from excessive ground-water withdrawals in Brooklyn had become widespread and led to the shutdown of New York Water Service Corporation's Flatbush wells (fig. 1), where pumpage had averaged over 18 Mgal/d during 1904-47. The shutdown of the Flatbush wells ended the use of ground water as a public-supply source in Brooklyn.

As Kings County became extensively urban, Queens and Nassau Counties were undergoing rapid population growth and development. Pumpage from the New York Water Service Corporation's Woodhaven wells in Queens County (fig. 1) increased from 45 Mgal/d in 1950 to over 60 Mgal/d in the 1970's and, as in Kings County 3 decades earlier, led to saltwater intrusion and the shutdown of the Woodhaven wells in 1974, leaving the Jamaica Water Supply Company (Jamaica pumping center, fig. 1) as the only ground-water public-supply utility remaining in Queens County. Jamaica Water Supply pumpage in Queens exceeded 60 Mgal/d during 1976-82. A major cone of depression and deteriorating water quality in several wells by the mid-1980's forced the company to reduce pumpage to less than 30 Mgal/d by the late 1980's (Brian Baker, New York State Department of Environmental Conservation, written commun., 1991).

Since 1948, pumping in Kings County has been only for industrial, commercial, or dewatering pur-

poses (Buxton and others, 1981). Public-supply pumping continues in eastern Queens at reduced rates, and Nassau County derives all of its public-supply water from wells. Figures 3 through 6 show trends in public-supply pumpage by aquifer through time. Recent estimates indicate average per-capita water use in Kings and Queens Counties to be about 100 gal/d per county (Edmund Parrish, New York City Department of Environmental Protection, oral commun., 1996). U.S. Geological Survey estimates show per-capita water use in Kings and Queens Counties to be about 141 gal/d per county (D.S. Lumia, U.S. Geological Survey, written commun., 1997).

Aquifer Characteristics

The principal aquifers in the study area are the upper glacial (water table), Magothy, and Lloyd. The Jameco and Port Washington aquifers are local aquifers found along the southern part of the three counties, and the northern part of Nassau County, respectively. The following section briefly describes the geologic and hydraulic characteristics of the aquifers and cites references that provide additional information.

Upper Glacial (Water-Table) Aquifer

Pleistocene glaciation covered Long Island with a mantle of till, outwash, and glaciolacustrine deposits. Till, a poorly sorted mixture of clay, sand, gravel, and boulders, forms the moraines along northern Long Island and is poorly permeable. Outwash, by contrast, overlies the central and southern part of Long Island and consists of fine to coarse sand and gravel that is moderately to highly permeable and form the upper glacial aquifer (fig. 2). Glaciolacustrine deposits consist of clay, silt, sand, and gravel and are found in central and eastern Long Island, and marine clay deposits are found along the southern shore of Long Island. These deposits are poorly permeable but contain thin, local lenses of sand and gravel that are moderately permeable.

The average horizontal hydraulic conductivity of the Pleistocene deposits ranges from less than 130 ft/d in till to 270 ft/d in outwash. The average transmissivity is 24,120 ft^2/d in Kings County, 16,080 ft^2/d in Queens County, 28,140 ft^2/d in northern Nassau County, and 12,730 ft^2/d in southern Nassau County (McClymonds and Franke, 1972). The upper glacial aquifer is in hydraulic contact with the Magothy except along most of the southern shore of Long Island, where the two aquifers are separated by the Gardiners Clay and Jameco aquifer. The Gardiners Clay restricts vertical flow to underlying aquifers.

Jameco Aquifer

The Jameco aquifer, a southern-shore glacial stream deposit (fig. 2), lies unconformably beneath the Gardiners Clay throughout most of Kings, Queens, and western Nassau Counties but is in contact with the upper glacial aquifer locally. The Jameco aquifer consists of coarse to fine sand and gravel and is moderately to highly permeable. The average horizontal hydraulic conductivity has been estimated to be 267 ft/d (Soren, 1971). The average transmissivity is 16,080 ft^2/d in Kings County, 13,400 ft^2/d in Queens County, and 6,700 ft^2/d in southern Nassau County (McClymonds and Franke, 1972).

Port Washington Aquifer

The Port Washington aquifer, in northern Nassau County, lies unconformably upon bedrock and is overlain by the Port Washington confining unit (Kilburn, 1979). Neither the Port Washington aquifer nor the Port Washington confining unit are shown in figure 2 because their extent is limited. The southern part of the Port Washington aquifer overlaps and abuts the adjacent Cretaceous units. The Port Washington aquifer consists mainly of sand or sand and gravel with interbedded clay, silt, and sandy clay.

Magothy Aquifer

The Magothy aquifer, of Cretaceous age, lies unconformably beneath the Pleistocene deposits, primarily the upper glacial aquifer, but also Jameco aquifer in southwestern Long Island. The Magothy is underlain unconformably by the Raritan confining unit, hereafter the "Raritan clay," which restricts vertical flow to the underlying Lloyd (fig. 2). The Magothy consists of alternating beds of clay, silt, sand, and gravel and is absent throughout most of Kings County. The average horizontal hydraulic conductivity of the Magothy aquifer has been estimated to be 50 ft/d (Franke and Cohen, 1972). The average transmissivity is 11,390 ft^2/d where this unit is present in Kings County, and is 10,720 ft^2/d in Queens County, 18,760 ft^2/d in northern Nassau County, and

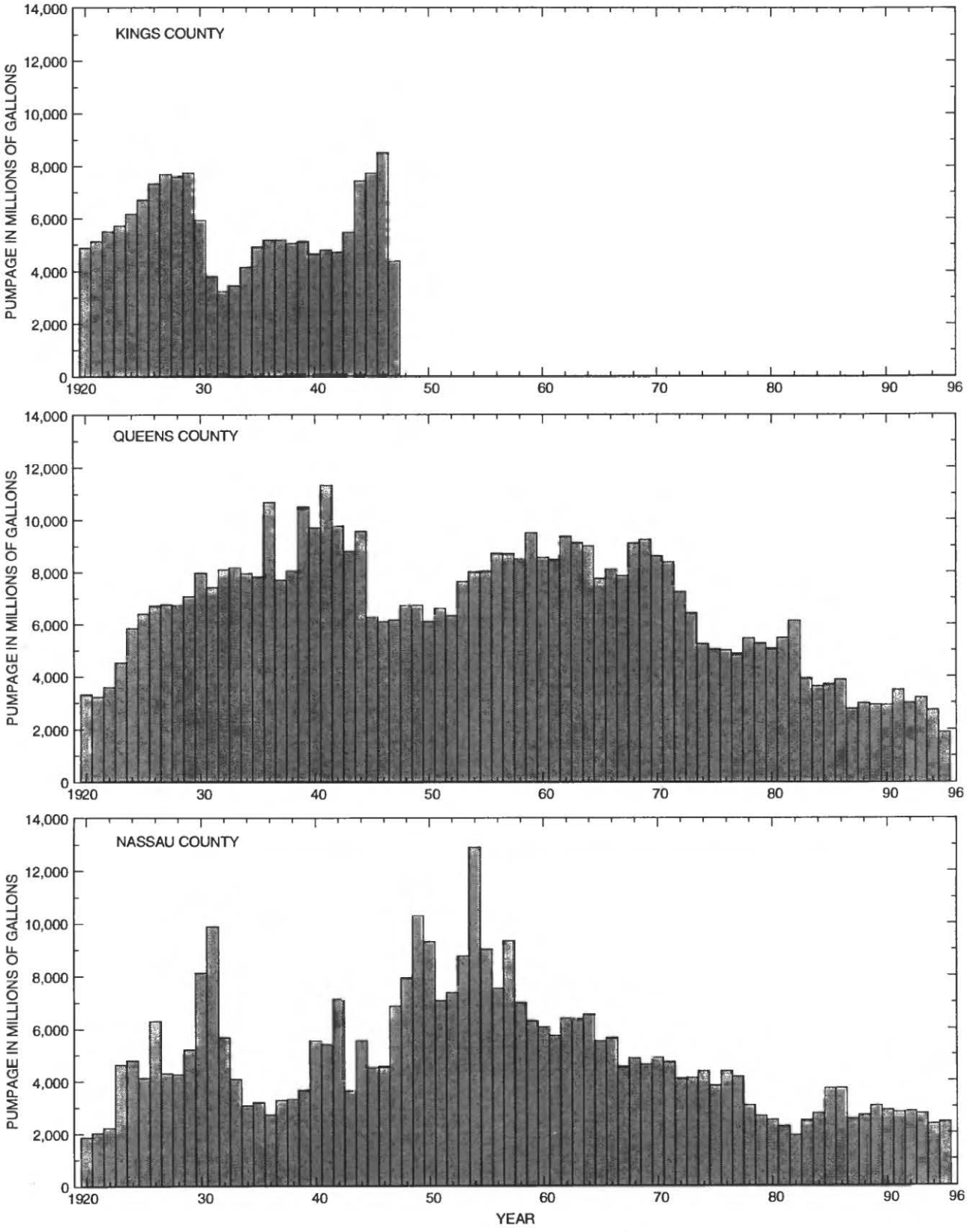

Figure 3. Annual pumpage from upper glacial aquifer in Kings, Queens, and Nassau Counties, N.Y., 1920-95.

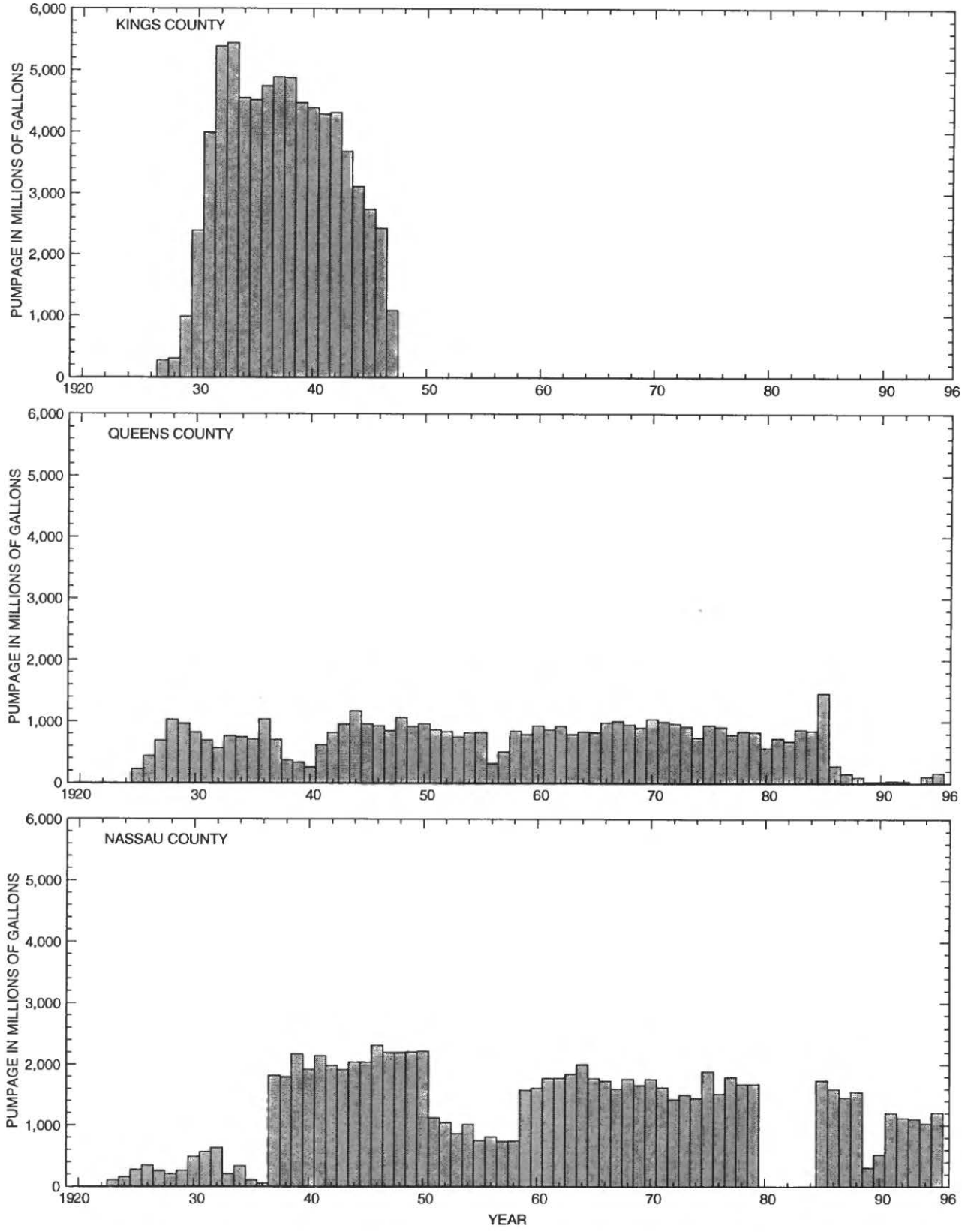

Figure 4. Annual pumpage from Jameco aquifer in Kings, Queens, and Nassau Counties, N.Y., 1920-95.

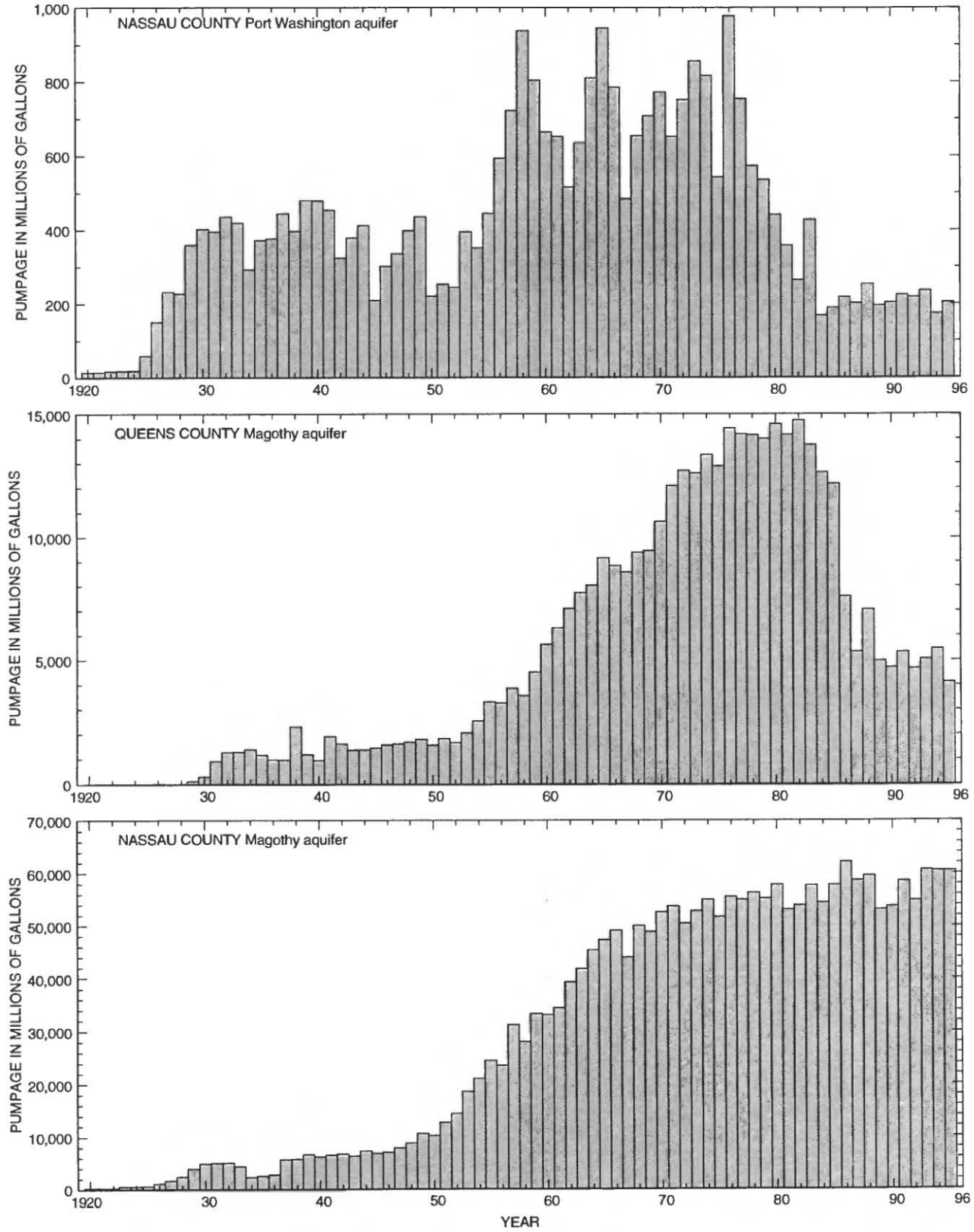

Figure 5. Annual pumpage from Port Washington aquifer in Nassau County, and Magothy aquifer in Queens and Nassau Counties, N.Y., 1920-95.

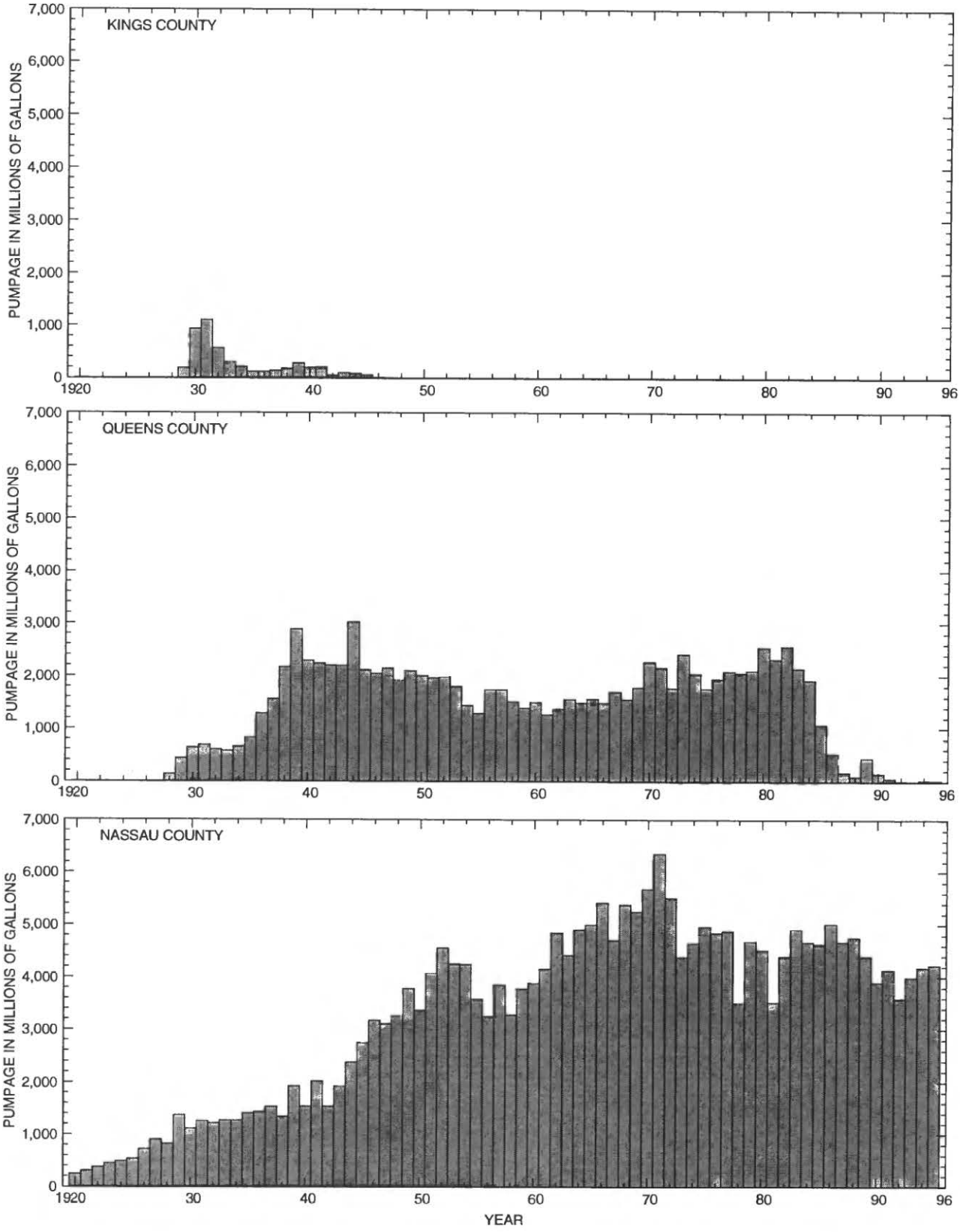

Figure 6. Annual pumpage from Lloyd aquifer in Kings, Queens, and Nassau Counties, N.Y., 1920-95.

33,500 ft^2/d in southern Nassau County (McClymonds and Franke, 1972).

Lloyd Aquifer

The Lloyd aquifer, of the Late Cretaceous-aged Raritan formation, lies conformably beneath the Raritan clay and unconformably upon bedrock (fig. 2). The Lloyd consists of fine to coarse sand and gravel and is poorly to moderately permeable. The average horizontal hydraulic conductivity has been estimated to be 40 ft/d (Franke and Cohen, 1972). The average transmissivity is 4,690 ft^2/d in Kings County, 8,040 ft^2/d in Queens County, 12,060 ft^2/d in northern Nassau County, and 16,080 ft^2/d in southern Nassau County.

METHODS OF DATA COMPILATION

Pumpage values for most years from 1880 through 1903 (table 1) were estimated from data given in Veatch and others (1906) because records were insufficient. Pumpage for 1898 through 1984 (table 2B) was tabulated from USGS and NYSDEC pumpage spreadsheets. Computerized pumpage data for 1985-95 (table 3) were obtained from the NYSDEC at Stony Brook, N.Y., and are tabulated by county and aquifer.

Compilation procedures consisted of (1) review of previous studies, and (2) estimating pumpage for individual wells at multiple-well pumping stations.

Published Sources

Veatch and others (1906) described the groundwater resources of Long Island and provided a water-table map, as well as a map showing the distribution of pumping centers. Buxton and others (1981) discussed historical pumpage in Kings and Queens Counties. Kilburn (1982) compiled monthly pumpage records of public-supply wells in Nassau County for 1920-79 and included pumpage from stations in Nassau County that supplied water to New York City. Snavely and Williams (1984) estimated total 1973-79 ground-water withdrawals and returns in Nassau County.

Pumpage

Pumpage values for 1880 through 1903 were estimated from the multiple-well (well-field) pumping-station data given in Veatch and others (1906) and are listed in table 1. For each well listed, values are given as (1) total well-field-station capacity, and (2) reported (actual) pumpage for a given year, in gallons per day. If no capacity estimate was available for a given station, the highest reported value for that station was used. The well fields contained from 2 wells to more than 100 wells.

Table 2A lists all public-supply wells in the USGS database that have pumpage data and gives their latitude, longitude, and the aquifer in which they are screened. Total annual pumpage, by well, for 1898 through 1984 is given in table 2B. Some water companies record total pumpage of a group of wells instead of by individual well; annual estimates for wells in multiple-well pumping stations were calculated as the total station pumpage divided by the number of wells. The "Remarks" column in table 2B indicates multiple-well pumping stations and whether the pumpage is estimated, and whether monthly data are missing from the annual total. Years without pumpage are not included.

Public-supply pumpage totals by year, county, and aquifer for 1920-95 are given in table 3. Wells with unknown or multiple screened intervals are denoted by the term "unknown" in the "Aquifer" column of table 3. The data in table 3 are depicted as bar graphs in figures 3-6. Maximum, minimum, and mean annual pumpage by county and aquifer for 1920-95 are presented in table 4.

GROUND-WATER PUMPAGE

Pumpage data are listed by well field and well in tables 1 and 2B. Table 1 lists estimated and actual (reported) average daily pumpage in the three counties by well field for 1880 through 1903, and table 2B lists annual public-supply pumpage, by well, for 1898 through 1984. The 1974-84 data in table 2B were compiled to fill the gap between Kilburn's data (1982) and the NYSDEC's computerized pumpage data for 1985-95; the wells are listed by their New York State well-identification numbers.

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Table 1. Estimated pumpage capacity and reported public-supply pumpage in Kings, Queens, and Nassau Counties, N.Y., 1880-1903

[Data from Veatch, 1906. Dash indicates data not available; °, degrees; ′, minutes; ″, seconds]

Well-field station	Latitude ° ′ ″	Longitude ° ′ ″	Aquifer	Year service began	Estimated station capacity (gallons per day)	Recorded pumpage	
						Gallons per day	Year
New Utrecht	403552	735728	Upper glacial	1880	2,000,000	1,120,596	1899
Gravesend	403614	735721	Upper glacial	--	2,600,000	2,444,032	1899
New Lots	404012	735224	Upper glacial	1881	4,330,600	4,330,600	1899
Blythebourne	403757	735958	Upper glacial	1892	200,000	200,000	1899
Flatbush	403817	735647	Upper glacial	1882	2,155,400	2,155,400	1899
Spring Creek Old	404021	735120	Upper glacial	1882	2,500,000	1,986,580	1899
Spring Creek Old	404021	735120	Jameco	1882	2,500,000	1,986,580	1899
Spring Creek Temp	404024	735131	Upper glacial	1894	4,500,000	2,997,945	1899
Shetucket	403951	734917	Jameco	1897	3,500,000	1,678,219	1899
Oconee	404000	734828	Jameco	1897	2,500,000	1,634,408	--
Baisley's	404001	734731	Upper glacial	1882	2,500,000	1,527,051	--
Jameco	404014	734715	Upper glacial	1888	3,000,000	2,467,741	1899
Jameco	404014	734715	Jameco	1888	3,000,000	2,467,741	1899
Springfield	403950	734535	Jameco	1897	2,133,890	2,133,890	1899
Forest Stream	403946	734436	Upper glacial	1885	5,000,000	3,439,039	1899
LI City 1	404433	735556	Upper glacial	1874	682,800	682,800	1899
LI City 2	404621	735342	Upper glacial	1886	803,000	803,000	1899
LI City 3	404502	735505	Upper glacial	1894	621,000	621,000	1899
Bayside-Flushing	404539	734520	--	1874	3,000,000	980,000	1899
Whitestone 1	404702	734919	Upper glacial	1892	1,000,000	181,000	1899
Woodhaven	404112	735104	Upper glacial	1894	274,000	274,000	1899
Woodhaven	404112	735104	Jameco	1894	274,000	274,000	1899
Montauk	404151	734845	Upper glacial	1895	1,800,000	1,800,000	1899
Jamaica	404148	734718	Upper glacial	1887	3,500,000	1,500,000	1899
Jamaica	404148	734718	Upper glacial	1887	3,500,000	1,137,500	1903
Jamaica	404148	734718	Jameco	1887	3,500,000	1,137,500	1903
Citizens 1	404423	735231	Upper glacial	1894	608,000	608,000	1899
Citizens 2	404525	735342	Upper glacial	1897	1,510,000	1,510,000	1899
Citizens 3	404300	734942	Upper glacial	1899	3,500,000	2,067,700	1899
Citizens 4	404342	735021	Upper glacial	1900	2,500,000	--	--
Citizens 5	404349	735029	Upper glacial	1901	2,000,000	--	--
Bowerybay Northbeach	404623	735326	Upper glacial	--	500,000	500,000	1903
Clear Stream	403947	734305	Upper glacial	1885	5,000,000	2,568,055	1899
Watts Pond	403939	734229	Upper glacial	1894	2,500,000	2,213,703	1899
Agawam	403928	733408	Upper glacial	1896	4,518,951	520,305	1899
Merrick	403938	733315	Upper glacial	1896	4,693,432	325,813	1899
Matowa	403952	733220	Upper glacial	1896	4,495,622	890,939	1899
Wantagh	404010	733054	Upper glacial	1896	3,998,844	1,377,682	1899
Massapequa	404029	732753	Upper glacial	1896	5,373,196	--	--
Valley Stream	404002	734204	Upper glacial	1884	561,790	561,790	1899
Valley Stream	404002	734204	Jameco	1884	561,790	561,790	1899
Rockville Centre	403927	733828	Upper glacial	1896	500,000	25,000	1897
Rockville Centre	403927	733828	Upper glacial	1896	500,000	150,466	1902
Freeport	403920	733536	Upper glacial	1894	60,000	60,000	1902
Merrick	403930	733311	Upper glacial	1896	7,200	--	--
Hempstead	404248	733715	Upper glacial	1890	200,000	200,000	1897
Hempstead	404248	733715	Upper glacial	1890	200,000	75,000	1903
Garden City	404347	733825	Upper glacial	1876	500,000	500,000	1897
Sea Cliff	405027	733909	Upper glacial	1872	500,000	--	--
Glen Cove (Pratt)	405307	733759	Magothy	1891	75,000	--	--
Glen Cove (NCWCo.)	405113	733721	Upper glacial	1903	1,000,000	--	--

Table 2A. Location and aquifer screened of public-supply wells in Kings, Queens, and Nassau Counties, N.Y.

[°, degrees; ′, minutes; ″, seconds; --, no data available]

Well number	Latitude ° ′ ″	Longitude ° ′ ″	Aquifer in which well is screened	Well number	Latitude ° ′ ″	Longitude ° ′ ″	Aquifer in which well is screened
[1]K500	403819	735635	Upper glacial	Q304	404025	734839	Upper glacial
[1]K500.2	403819	735635	Upper glacial	Q305	404250	734538	Upper glacial
K501	403819	735846	Upper glacial	Q306	404147	734718	Upper glacial
K503	403836	735845	Upper glacial	Q307	404302	734513	Upper glacial
K504	403819	735618	Upper glacial	Q308	404202	734916	Upper glacial
K505	403815	735653	Upper glacial	Q310	404140	734412	Upper glacial
K506	403920	735550	Upper glacial	Q311	404107	734805	Jameco
K507	403936	735614	Upper glacial	Q312	404044	734552	Jameco
K508	403853	735823	Upper glacial	Q313	404330	734503	Upper glacial
K510	403831	735909	Upper glacial	Q314	404049	734752	Jameco
K512	403842	735816	Upper glacial	Q317	404154	734937	Lloyd
K513	403751	735838	Upper glacial	Q318	404254	734813	Magothy
K514	403830	735545	Upper glacial	Q319	404245	734734	Upper glacial
K516	403951	735523	Upper glacial	Q321	404352	734448	Upper glacial
K517	403950	735709	Jameco	Q322	404218	734933	Upper glacial
K519	403936	735613	Jameco	Q323	404200	734403	Upper glacial
K520	403951	735525	Jameco	Q324	--	--	Upper glacial
K521	403849	735547	Lloyd	Q324.2	404155	734638	Upper glacial
K522	403857	735721	Jameco	[1]Q351	404119	735113	Upper glacial
K523	403754	735813	Jameco	[1]Q352	404005	734958	Upper glacial
K524	403920	735551	Jameco	Q353	404101	735102	Upper glacial
K525	403818	735847	Jameco	Q354	404116	735147	Upper glacial
K526	403949	735737	Jameco	Q355	404122	735033	Upper glacial
K527	403857	735720	Upper glacial	Q557	404223	734800	Magothy
K528	403921	735708	Jameco	Q558	404054	734917	Upper glacial
K529	403839	735847	--	Q559	404021	734839	Jameco
K530	403818	735810	Upper glacial	Q560	404143	734717	Upper glacial
K531	403950	735740	--	Q561	404139	734715	Upper glacial
K1232	403909	735756	Upper glacial	Q562	404140	734716	Lloyd
K1233	403909	735757	Upper glacial	Q563	404302	734513	Magothy
K1234	403909	735757	Upper glacial	Q564	404302	734513	Magothy
K1329	403943	735653	Upper glacial	Q565	404201	734916	Lloyd
K1331	403943	735640	Upper glacial	Q566	404154	734937	Magothy
K1338	403949	735737	Upper glacial	Q567	404253	734813	Lloyd
K1343	403934	735539	Upper glacial	Q568	404200	734403	Magothy
K1351	403921	735659	Upper glacial	Q569	404212	734642	Upper glacial
K1357	403912	735830	Upper glacial	Q570	404203	734646	Upper glacial
K1359	403908	735526	Upper glacial	Q1058	404200	734638	Upper glacial
K1360	403904	735628	Upper glacial	Q1378	404120	735112	--
K1363	403923	735527	Upper glacial	Q1379	404154	735107	--
K1516	403943	735653	Upper glacial	Q1450	404207	734459	Upper glacial
Q68	404108	735032	Upper glacial	Q1476	404041	734956	Upper glacial
Q301	404214	734934	Upper glacial	Q1477	404050	735022	--
Q302	404223	734801	Upper glacial	Q1484	404113	735011	Upper glacial
Q303	404054	734917	Upper glacial	Q1493	404140	735041	Upper glacial

[1] Latitude and longitude given for this well are at approximate center of well field.

[2] Well not listed in table 2B.

Table 2A. Location and aquifer screened of public-supply wells in Kings, Queens, and Nassau Counties, N.Y.--continued

Well number	Latitude ° ′ ″	Longitude ° ′ ″	Aquifer in which well is screened	Well number	Latitude ° ′ ″	Longitude ° ′ ″	Aquifer in which well is screened
Q1511	404139	735105	Upper glacial	Q3034	404234	734553	Magothy
Q1528	404137	735158	Upper glacial	Q3062	404059	734508	Magothy
Q1534	404249	734435	Upper glacial	Q3069	404202	734917	Lloyd
Q1600	404330	734503	Magothy	Q3083	404056	734406	Magothy
Q1604	404152	735052	Upper glacial	[2]Q3156	404050	734755	--
Q1629	404249	734435	Magothy	[2]Q3157	404107	734805	--
Q1747	404323	734553	Upper glacial	[2]N10	404229	734246	Magothy
Q1811	404151	734917	Upper glacial	[2]N11	404224	734238	Magothy
Q1815	404211	734500	Magothy	N12	404219	734240	Magothy
Q1839	404150	734719	Upper glacial	N13	404214	734241	Magothy
Q1840	404057	734854	Upper glacial	N14	404411	734137	Upper glacial
Q1843	404145	734734	Upper glacial	N15	404427	734149	Upper glacial
Q1957	404250	734538	Magothy	N17	404437	734023	Upper glacial
Q1958	404140	734412	Magothy	N22	404642	734405	Magothy
Q1997	404248	734601	Upper glacial	[2]N23	404642	734405	Lloyd
Q2000	404332	734429	Magothy	N24	404735	734242	Lloyd
Q2001	404259	734634	Upper glacial	N28	404833	734147	Upper glacial
Q2006	404216	734912	Upper glacial	N29	404830	734148	Upper glacial
Q2026	404042	734336	Magothy	[2]N30	404901	734430	Port Washington
Q2027	404156	734525	Magothy	N31	404857	734427	Port Washington
Q2028	404156	734525	Magothy	[2]N33	405011	734150	Port Washington
Q2137	404254	734813	Magothy	[2]N35	405010	734151	Port Washington
Q2138	404204	735000	Upper glacial	[2]N36	405109	734303	Port Washington
Q2188	404332	734429	Magothy	N37	405111	734302	Upper glacial
Q2189	404123	734930	Upper glacial	[2]N40	403536	733941	Lloyd
Q2243	404116	734521	Upper glacial	[2]N41	403536	733936	Lloyd
Q2275	404216	734423	Upper glacial	[2]N42	403537	733939	Magothy
Q2276	404216	734423	Magothy	[2]N43	403531	734012	Lloyd
Q2299	404225	734503	Upper glacial	[2]N44	403531	734023	Lloyd
Q2300	404224	734503	Magothy	[2]N45	403536	733943	Lloyd
Q2321	404245	734406	Upper glacial	N46	403534	733527	Lloyd
Q2332	404204	735000	Magothy	[2]N48	403923	733922	Magothy
Q2343	404249	734406	Magothy	[2]N49	403923	733916	Magothy
Q2362	404320	734818	Magothy	[2]N50	403923	733916	Magothy
Q2363	404343	734831	Magothy	[2]N52	403929	733826	Magothy
Q2373	404323	734838	Magothy	N68	403922	733532	Magothy
Q2374	404323	734838	Magothy	N69	403921	733537	Magothy
Q2408	404329	734827	Magothy	N72	404104	733741	Magothy
Q2409	404329	734827	Magothy	N75	404138	733836	Upper glacial
Q2432	404247	734603	Magothy	N76	404136	733833	Upper glacial
Q2435	404351	734448	Magothy	[2]N78	404259	733716	Magothy
Q2442	404135	734402	Upper glacial	N79	404252	733714	Magothy
Q2443	404135	734402	Magothy	N80	404256	733712	Magothy
Q2955	404040	734450	Magothy	N81	404305	733709	Magothy
Q3014	404309	734700	Magothy	N82	404308	733707	Magothy
[2]Q3029	404059	734508	--	N83	404306	733713	Lloyd

[1] Latitude and longitude given for this well are at approximate center of well field.

[2] Well not listed in table 2B.

Table 2A. Location and aquifer screened of public-supply wells in Kings, Queens, and Nassau Counties, N.Y.--continued

Well number	Latitude ° ′ ″	Longitude ° ′ ″	Aquifer in which well is screened	Well number	Latitude ° ′ ″	Longitude ° ′ ″	Aquifer in which well is screened
2N91	404350	733816	Upper glacial	2N715	404047	733547	Upper glacial
2N93	404352	733831	Upper glacial	2N728	404049	732559	Upper glacial
N94	404350	733825	Magothy	2N729	404057	732603	Upper glacial
N95	404352	733830	Magothy	2N733	405230	733230	Port Washington
N97	404448	733812	Magothy	2N735	405231	733232	Upper glacial
2N98	404446	733813	Magothy	2N736	405230	733231	Upper glacial
N101	404521	733534	Magothy	2N737	404223	734238	Upper glacial
N103	404553	733830	Magothy	2N746	404432	732900	Magothy
N104	404557	733828	Magothy	2N747	404432	732902	Magothy
2N105	404652	733727	Magothy	2N750	404525	733532	Magothy
2N107	404733	733524	Magothy	2N751	403934	733409	Upper glacial
2N109	404925	733817	Lloyd	2N757	403934	733411	Upper glacial
2N110	404931	733821	Lloyd	2N801	405113	733727	Upper glacial
2N112	405114	733727	Upper glacial	2N802	405113	733726	Upper glacial
2N115	405242	733516	Port Washington	2N808	405114	733727	Upper glacial
2N116	405242	733523	Upper glacial	2N819	405010	734143	Upper glacial
2N117	405240	733522	Upper glacial	2N824	405010	734143	Port Washington
N118	405243	733510	Lloyd	N835	405346	733753	Lloyd
N119	405243	733524	Lloyd	2N871	403937	733321	Upper glacial
2N131	403949	733417	Magothy	2N872	403939	733320	Upper glacial
N132	403951	733418	Magothy	2N890	403940	733315	Magothy
N133	403953	733420	Magothy	2N901	405034	734012	Upper glacial
N134	403950	733415	Magothy	2N906	405035	733912	Lloyd
2N148	404441	733207	Magothy	2N952	403940	733316	Upper glacial
2N149	404626	733112	Upper glacial	2N953	403939	733320	Upper glacial
2N150	404629	733111	Upper glacial	2N1039	403951	734306	Upper glacial
N152	404628	733418	Magothy	2N1041	403952	734314	Magothy
2N166	405148	733417	Magothy	N1298	404655	734445	Lloyd
2N192	404432	732901	Magothy	N1328	404713	734105	Lloyd
N198	404917	732929	Magothy	2N1329	404525	733533	Magothy
N199	404922	732924	Magothy	2N1344	404046	733547	Upper glacial
2N525	404410	732616	Upper glacial	N1402	403951	733616	Upper glacial
N570	404919	732931	Magothy	2N1489	403850	734241	Upper glacial
2N578	404456	733913	Magothy	2N1491	403847	734240	Upper glacial
2N580	404002	733332	Upper glacial	2N1502	403900	734245	Upper glacial
2N585	405230	733231	Upper glacial	N1595	405033	733909	Upper glacial
2N613	405148	733417	Magothy	N1601	404046	733546	Magothy
N650	404533	733936	Magothy	N1602	404029	733935	Magothy
N651	404534	733933	Magothy	N1603	404112	733935	Magothy
N687	404743	734444	Lloyd	N1618	404631	734215	Lloyd
N693	404229	734244	Upper glacial	N1651	405231	733633	Lloyd
2N698	404137	733428	Upper glacial	2N1667	404524	733532	Magothy
N700	404642	734406	Upper glacial	2N1696	404407	733538	Magothy
2N703	404736	734242	Upper glacial	N1697	404357	733837	Magothy
2N705	404410	732616	Upper glacial	N1715	404907	734111	Lloyd
2N706	404411	732616	Upper glacial	N1716	404911	734111	Lloyd
2N710	403852	734238	Jameco	N1802	404512	734210	Lloyd
2N711	403852	734237	Jameco	N1870	404811	733912	Magothy

Table 2A. Location and aquifer screened of public-supply wells in Kings, Queens, and Nassau Counties, N.Y.--continued

Well number	Latitude ° ′ ″	Longitude ° ′ ″	Aquifer in which well is screened	Well number	Latitude ° ′ ″	Longitude ° ′ ″	Aquifer in which well is screened
N1871	404811	733912	Magothy	[2]N3193	404338	733040	Magothy
N1872	404811	733912	Magothy	[2]N3194	404338	733046	Magothy
N1873	404811	733911	Magothy	[2]N3312	404310	733029	Magothy
N1874	404810	733911	Magothy	[2]N3313	404309	733026	Upper glacial
N1875	404810	733912	Magothy	[2]N3327	404033	734312	Magothy
N1876	404810	733912	Magothy	N3427	404050	732948	Magothy
N1877	404810	733912	Lloyd	N3443	404815	734345	Lloyd
[2]N1879	404642	734405	Lloyd	[2]N3448	403511	734150	Lloyd
[2]N1880	404642	734405	Magothy	N3456	404302	733325	Magothy
[2]N1881	404642	734406	Lloyd	N3457	404308	733320	Magothy
[2]N1882	404642	734405	Magothy	[2]N3463	404132	733114	Magothy
[2]N1893	404638	734413	Magothy	N3465	404305	733331	Magothy
[2]N1900	404642	734405	Upper glacial	[2]N3466	405113	733727	Upper glacial
[2]N1902	404637	734418	Upper glacial	N3474	404847	733440	Magothy
[2]N1927	403520	733819	Lloyd	N3475	404849	733445	Magothy
N1937	404409	732711	Magothy	[2]N3488	404445	733104	Magothy
N1958	404426	734148	Lloyd	N3520	404112	733935	Magothy
[2]N1971	403922	733537	Upper glacial	N3523	404814	734112	Magothy
N2028	404731	734007	Magothy	N3540	404823	734148	Upper glacial
N2030	404907	734109	Magothy	[2]N3552	404454	733203	Magothy
N2052	404829	733953	Magothy	[2]N3553	404453	733246	Magothy
[2]N2066	404545	732841	Magothy	[2]N3561	405230	733230	Upper glacial
[2]N2072	404634	733111	Upper glacial	[2]N3564	404051	732948	Upper glacial
N2115	404106	734329	Upper glacial	N3603	404248	734023	Magothy
N2214	404826	734504	Lloyd	N3604	404247	734023	Magothy
[2]N2236	404519	733427	Magothy	N3605	404153	734102	Magothy
N2239	404133	733839	Upper glacial	N3618	404338	733046	Magothy
N2400	404727	733804	Magothy	N3668	404153	733733	Magothy
[2]N2402	404400	733147	Upper glacial	N3672	404459	734021	Magothy
[2]N2403	404359	733141	Upper glacial	[2]N3673	404459	734023	Magothy
N2413	404125	734210	Magothy	N3680	404134	733114	Magothy
N2414	404124	734210	Upper glacial	N3687	403536	733943	Lloyd
[2]N2487	404546	733902	Magothy	N3695	404347	733612	Magothy
N2565	404434	733940	Magothy	N3696	404351	733613	Magothy
N2578	404033	734312	Upper glacial	N3697	404352	733611	Magothy
N2580	404323	733145	Upper glacial	N3698	404352	733607	Magothy
[2]N2581	404323	733137	Upper glacial	N3704	404132	733834	Upper glacial
N2597	403532	734034	Lloyd	N3720	404112	734041	Magothy
N2602	404518	733433	Lloyd	N3722	404048	733547	Upper glacial
N2613	403951	733615	Magothy	N3732	404644	733839	Magothy
[2]N2747	404446	733650	Magothy	N3733	404628	733831	Magothy
N2748	404445	733651	Magothy	N3745	404105	733747	Magothy
N2920	405257	732930	Lloyd	N3780	404228	732935	Upper glacial
[2]N3142	404545	732841	Magothy	N3781	404030	734145	Magothy
[2]N3147	404546	732841	Magothy	N3782	404030	734146	Magothy
N3185	404416	733847	Magothy	N3832	404049	733544	Magothy

[1] Latitude and longitude given for this well are at approximate center of well field.

[2] Well not listed in table 2B.

Table 2A. Location and aquifer screened of public-supply wells in Kings, Queens, and Nassau Counties, N.Y.--continued

Well number	Latitude ° ′ ″	Longitude ° ′ ″	Aquifer in which well is screened	Well number	Latitude ° ′ ″	Longitude ° ′ ″	Aquifer in which well is screened
N3876	404352	732911	Magothy	N4512	404100	734122	Magothy
N3878	404624	733233	Magothy	N4602	404154	732720	Magothy
N3881	404320	734025	Magothy	N4623	404722	733948	Magothy
N3892	405233	733724	Upper glacial	N4756	404206	733452	Magothy
N3893	404228	732933	Magothy	N4757	404210	733454	Magothy
N3894	404059	733417	Magothy	N4758	404209	733448	Magothy
N3895	404119	733231	Magothy	N4759	404205	733447	Magothy
N3905	404544	734151	Magothy	N4859	405010	734141	Port Washington
N3934	404402	733708	Magothy	N4860	405010	734147	Upper glacial
N3935	404400	733705	Magothy	N5007	404552	733420	Magothy
N3937	404001	734020	Magothy	N5099	404647	734235	Magothy
N3953	404628	733237	Magothy	N5121	403958	734103	Magothy
[2]N4042	404309	732745	Upper glacial	N5145	404034	734311	Magothy
N4043	404309	732749	Magothy	N5147	404214	732620	Magothy
[2]N4063	404532	732849	Magothy	N5148	404311	732747	Magothy
N4077	404323	734138	Upper glacial	N5152	405326	733514	Port Washington
N4082	404525	733732	Magothy	N5153	403942	733644	Magothy
N4095	404639	732809	Magothy	N5155	404238	734203	Upper glacial
N4096	404639	732802	Magothy	N5156	404238	734203	Magothy
N4097	404631	732939	Magothy	N5163	404400	733859	Magothy
N4118	404129	733838	Upper glacial	N5187	404041	733438	Magothy
N4132	403942	733644	Magothy	N5193	403929	733821	Magothy
[2]N4133	404809	733034	Magothy	N5194	403923	733922	Magothy
[2]N4146	404533	732848	Magothy	N5195	403923	733916	Magothy
N4206	404524	733632	Magothy	N5201	404925	733817	Lloyd
N4223	404855	734034	Upper glacial	N5209	404941	734030	Upper glacial
N4243	404541	734152	Magothy	N5227	403532	733534	Lloyd
N4245	404746	733211	Magothy	N5259	404119	733227	Magothy
[2]N4246	404802	733128	Magothy	N5260	404136	733837	Magothy
N4265	404755	733724	Magothy	[2]N5301	404427	733150	Magothy
N4298	404323	734138	Magothy	N5302	404246	733143	Magothy
N4327	404621	733923	Magothy	N5303	404252	733004	Magothy
[2]N4342	404011	733105	Upper glacial	[2]N5304	404225	733043	Magothy
[2]N4367	404011	733105	Upper glacial	N5308	403519	733828	Lloyd
N4388	404646	734403	Magothy	N5318	404154	733453	Magothy
N4389	405056	734109	Upper glacial	N5319	404154	733450	Magothy
N4390	404514	734121	Magothy	N5320	404155	733447	Magothy
N4393	403929	734123	Magothy	N5321	404242	733157	Magothy
[2]N4394	404001	734020	Magothy	N5322	404243	733202	Magothy
N4400	405154	732958	Magothy	[2]N5336	404441	733207	Magothy
N4405	403515	734305	Lloyd	[2]N5468	403955	734341	Jameco
N4411	403920	734043	Magothy	N5484	404419	733643	Magothy
N4425	404259	733715	Magothy	N5485	404423	733655	Magothy
N4447	404311	733325	Magothy	[2]N5486	404415	733655	Magothy
N4448	404307	733328	Magothy	N5528	404728	734005	Magothy
N4450	404323	733136	Magothy	N5596	404454	733726	Magothy
N4451	404429	733055	Magothy	N5603	404517	734023	Magothy
N4461	404051	732948	Magothy	N5653	404108	733716	Magothy

Table 2A. Location and aquifer screened of public-supply wells in Kings, Queens, and Nassau Counties, N.Y.--continued

Well number	Latitude ° ′ ″	Longitude ° ′ ″	Aquifer in which well is screened	Well number	Latitude ° ′ ″	Longitude ° ′ ″	Aquifer in which well is screened
[2]N5654	404451	733526	Magothy	N6915	404401	732831	Magothy
N5655	404541	733335	Magothy	N6916	404358	732831	Magothy
N5656	403948	733928	Magothy	N6945	404547	734011	Magothy
N5695	403922	733543	Magothy	N6956	404556	732705	Magothy
N5696	403945	733415	Magothy	N7030	404635	733311	Magothy
N5703	404156	732620	Magothy	N7058	404318	734011	Magothy
N5710	404559	734155	Magothy	N7076	404339	733040	Magothy
N5762	405129	733615	Magothy	N7104	404832	733722	Magothy
N5767	404054	732948	Magothy	N7117	404214	734059	Magothy
N5792	405014	733736	Upper glacial	N7126	404652	734007	Magothy
[2]N5801	404032	732800	Magothy	N7157	405058	734111	Upper glacial
[2]N5807	404032	732800	Upper glacial	N7298	404303	733714	Magothy
[2]N5848	404057	732603	Magothy	N7353	404552	733416	Magothy
N5852	404808	733746	Magothy	N7377	404313	732750	Magothy
N5876	404858	734115	Upper glacial	N7407	404002	733332	Magothy
N5884	404756	734258	Magothy	N7414	404054	732613	Magothy
N5947	404646	733908	Magothy	N7421	404554	732706	Magothy
N6045	404432	733656	Magothy	N7445	404514	734121	Magothy
N6076	404650	732911	Magothy	N7446	404848	733443	Magothy
N6077	404649	732910	Magothy	N7482	404109	734329	Magothy
N6078	404535	732848	Magothy	N7512	404536	734103	Magothy
N6087	405010	734143	Upper glacial	N7513	404652	733727	Magothy
N6092	404912	732751	Magothy	N7515	404337	732707	Magothy
N6093	404908	732751	Magothy	N7516	404337	732705	Magothy
N6146	404005	733916	Magothy	N7521	403948	733927	Magothy
N6148	404216	732733	Magothy	N7522	404005	733916	Magothy
N6149	404215	732622	Magothy	N7523	404309	733026	Magothy
N6150	404245	732903	Magothy	N7526	404703	732801	Magothy
N6190	404707	733053	Magothy	N7548	404010	734252	Magothy
N6191	404707	733049	Magothy	N7549	404738	733531	Magothy
N6192	404517	733102	Magothy	N7551	404656	733946	Magothy
[2]N6193	404517	733105	Magothy	N7552	404649	733944	Magothy
N6315	404526	733626	Magothy	N7561	404453	733246	Magothy
N6442	404123	732852	Magothy	N7562	404634	733111	Magothy
N6443	404123	732852	Magothy	N7593	405045	732830	Magothy
N6450	403532	734010	Lloyd	N7620	405424	733400	Lloyd
N6580	404630	732938	Magothy	N7643	405424	733400	Upper glacial
N6644	404408	732713	Magothy	N7649	404344	734121	Magothy
N6651	404754	733157	Magothy	N7650	404344	734121	Magothy
N6744	404238	734205	Upper glacial	N7651	404611	734010	Magothy
N6745	404239	734202	Magothy	N7665	405203	733500	Upper glacial
N6817	403929	733817	Magothy	N7720	404237	733952	Magothy
N6819	404537	733335	Magothy	N7747	404736	734242	Upper glacial
N6866	404039	732835	Magothy	N7748	404735	734242	Upper glacial
N6867	404039	732835	Magothy	N7749	404735	734242	Upper glacial
N6893	404049	733544	Magothy	N7750	404734	734242	Upper glacial

[1] Latitude and longitude given for this well are at approximate center of well field.

[2] Well not listed in table 2B.

Table 2A. Location and aquifer screened of public-supply wells in Kings, Queens, and Nassau Counties, N.Y.--continued

Well number	Latitude ° ′ ″	Longitude ° ′ ″	Aquifer in which well is screened	Well number	Latitude ° ′ ″	Longitude ° ′ ″	Aquifer in which well is screened
N7751	404734	734242	Upper glacial	N8250	404108	733716	Magothy
N7752	404736	734240	Upper glacial	N8251	403958	734103	Magothy
N7753	404736	734239	Upper glacial	N8253	404003	733334	Magothy
N7754	404737	734238	Upper glacial	N8264	404150	733732	Magothy
N7755	404734	734239	Upper glacial	N8279	404309	733026	Magothy
N7756	404735	734238	Upper glacial	N8313	405108	734304	Upper glacial
N7757	404734	734239	Upper glacial	N8321	404400	733147	Magothy
N7758	404734	734238	Upper glacial	N8326	405116	733729	Upper glacial
N7772	405012	733102	Magothy	[2]N8327	405113	733726	Upper glacial
N7773	405010	733059	Magothy	N8339	404318	734011	Magothy
N7776	403537	733940	Lloyd	N8342	404642	734405	Lloyd
N7781	404751	733220	Magothy	N8354	403521	733659	Lloyd
N7785	404526	733534	Magothy	N8355	404829	733159	Magothy
N7796	403949	733417	Magothy	N8409	404420	733939	Magothy
N7797	404308	733321	Magothy	N8420	404030	734146	Magothy
[2]N7804	403938	734232	Upper glacial	N8457	404457	733607	Magothy
N7831	404022	733713	Magothy	N8474	404325	733630	Magothy
N7852	404410	732616	Magothy	N8475	404325	733630	Magothy
N7855	404040	734036	Magothy	N8480	404228	732933	Magothy
N7857	405100	733842	Lloyd	N8497	404519	733429	Magothy
N7873	404811	733633	Magothy	N8525	404445	733104	Magothy
N7892	404651	734009	Magothy	N8526	404454	733203	Magothy
N7957	404420	733531	Magothy	N8557	403536	733948	Lloyd
N7961	404736	734242	Upper glacial	N8558	404631	733832	Magothy
[2]N7962	404735	734236	Upper glacial	N8576	404453	733834	Magothy
N7963	404734	734237	Upper glacial	N8595	404554	732703	Magothy
N7964	404732	734237	Upper glacial	N8603	404051	732603	Magothy
N7965	404733	734243	Upper glacial	N8657	403925	733547	Magothy
N7966	404733	734240	Upper glacial	N8658	404819	733433	Magothy
[2]N7968	404731	734236	Upper glacial	N8664	404217	732904	Magothy
[2]N7971	404729	734236	Upper glacial	N8665	404217	732901	Magothy
N8004	404344	732840	Magothy	[2]N8672	404133	733114	Magothy
N8007	404543	733549	Magothy	N8713	404920	733733	Magothy
N8010	404739	733921	Magothy	N8767	404532	732849	Magothy
N8011	403533	734013	Lloyd	N8768	404533	732848	Magothy
N8031	404046	733058	Magothy	N8776	405423	733353	Lloyd
N8043	404754	732831	Magothy	N8778	404540	733043	Magothy
N8054	404557	732705	Magothy	N8779	404539	733042	Magothy
N8183	405146	733134	Upper glacial	N8818	404213	734100	Magothy
N8195	404233	734106	Magothy	N8837	404050	732948	Magothy
N8196	403952	733616	Magothy	N8941	404353	732910	Magothy
N8214	404156	732620	Magothy	N8956	404508	733336	Magothy
N8216	404000	733710	Magothy	N8957	404507	733337	Magothy
N8217	404004	733710	Magothy	N8976	404119	733231	Magothy
N8218	404104	733743	Magothy	N8979	404233	734106	Magothy
N8233	403519	733820	Lloyd	[2]N9066	405204	733634	Magothy
N8248	404525	733825	Magothy	N9151	404224	734238	Magothy
N8249	404632	733111	Magothy	[2]N9171	404446	733813	Upper glacial

Table 2A. Location and aquifer screened of public-supply wells in Kings, Queens, and Nassau Counties, N.Y.--continued

Well number	Latitude ° ′ ″	Longitude ° ′ ″	Aquifer in which well is screened	Well number	Latitude ° ′ ″	Longitude ° ′ ″	Aquifer in which well is screened
N9173	404154	732620	Magothy	N9878	404117	733230	Magothy
N9180	404517	733102	Magothy	N9910	404052	732948	Magothy
N9210	405202	733633	Magothy	N9976	404059	733417	Magothy
N9211	405205	733634	Magothy	N10033	404259	733806	Magothy
N9212	404453	733246	Magothy	[2]N10034	404258	733806	Magothy
[2]N9277	404256	733715	Upper glacial	[2]N10103	404023	733713	Magothy
[2]N9285	404002	733332	Upper glacial	N10144	405421	733239	Lloyd
[2]N9289	403930	733828	Upper glacial	[2]N10149	405018	732845	Magothy
[2]N9300	405203	733227	Upper glacial	[2]N10195	404130	733114	Magothy
N9308	404735	734240	Lloyd	[2]N10206	404214	734241	Magothy
[2]N9323	405010	734149	Upper glacial	[2]N10207	404224	734240	Magothy
[2]N9330	405010	734148	Port Washington	[2]N10208	404537	733046	Magothy
N9334	405128	733705	Lloyd	[2]N10211	404125	734209	Magothy
N9338	404228	732935	Magothy	[2]N10286	404031	734144	Magothy
N9446	405127	734210	Port Washington	[2]N10401	404140	733841	Magothy
N9452	404137	733834	Magothy	[2]N10408	404140	733841	Magothy
N9463	404601	733150	Magothy	[2]N10451	404548	733609	Magothy
N9488	404628	733112	Magothy	[2]N10555	404609	733010	Magothy
N9514	404131	733114	Magothy	[2]N10557	404632	734017	Magothy
N9520	405144	733135	Port Washington	[2]N10612	404539	734014	Magothy
N9521	404411	733610	Magothy	[2]N10863	404056	732611	Magothy
N9591	404524	732826	Magothy	[2]N10889	404635	734011	Magothy
N9613	404033	734312	Magothy	[2]N11004	404408	732710	Magothy
N9768	404547	734011	Magothy	[2]N11037	404220	734244	Magothy
N9792	403932	733827	Magothy	[2]N11076	404908	733158	Magothy
N9809	404838	734042	Upper glacial	[2]N11295	404912	733156	--
N9846	404412	733510	Magothy	[2]N11647	404125	734210	Magothy

Table 2B. Public-supply pumpage in Kings, Queens, and Nassau Counties, N.Y., 1898-1984
[Pumpage in thousands of gallons]

Well number	Year	Pumpage	Remarks[1]	Well number	Year	Pumpage	Remarks	Well number	Year	Pumpage	Remarks
K500	1898	657,000	M	K500.2	1925	3,089,736	M	K501	1940	71,789	
K500	1899	803,000	M	K500.2	1926	3,217,973	M	K501	1941	71,835	
K500	1900	915,000	M	K500.2	1927	3,186,420	M	K501	1942	101,910	
K500	1901	1,022,000	M	K500.2	1928	3,163,401	M	K501	1943	101,800	
K500	1902	1,168,000	M	K500.2	1929	3,071,825	M	K501	1944	137,770	
K500	1903	1,314,000	M	K500.2	1930	1,644,568	M	K501	1945	120,950	
K500	1904	1,610,000	M	K500.2	1931	574,126	M	K501	1946	115,975	
K500	1905	1,898,000	M	K500.2	1932	636,128	M	K501	1947	48,610	
K500	1906	2,920,000	M	K500.2	1933	851,386	M	K503	1922	154,140	
K500	1907	3,175,500	M	K500.2	1934	895,670	M	K503	1923	227,480	
K500	1908	1,482,412	M	K500.2	1935	1,021,029	M	K503	1924	214,544	
K500	1909	2,213,241	M	K500.2	1936	705,864	M	K503	1925	211,526	
K500	1910	2,418,244	M	K500.2	1937	508,231	M	K503	1926	206,893	
K500	1911	2,429,153	M	K500.2	1938	455,593	M	K503	1927	185,400	
K500	1912	2,475,731	M	K500.2	1939	614,794	M	K503	1928	267,788	
K500	1913	2,256,445	M	K500.2	1940	587,899	M	K503	1929	354,151	
K500	1914	2,245,518	M	K500.2	1941	635,406	M	K503	1930	367,496	
K500	1915	3,946,434	M	K500.2	1942	539,935	M	K503	1931	370,130	
K500	1916	2,254,900	M	K500.2	1943	414,000	M	K503	1932	368,154	
K500	1917	2,064,262	M	K500.2	1944	325,950	M	K503	1933	179,508	
K500	1918	2,654,186	M	K500.2	1945	231,227	M	K503	1934	116,042	
K500	1919	2,597,257	M	K500.2	1946	407,286	M	K503	1935	91,828	
K500	1920	2,686,610	M	K500.2	1947	278,950	M	K503	1936	118,629	
K500	1921	2,534,991	M	K501	1921	169,863		K503	1937	167,592	
K500	1922	2,567,741	M	K501	1922	287,337		K503	1938	258,864	
K500	1923	2,600,154	M	K501	1923	320,219		K503	1939	203,102	
K500	1924	1,577,641	M	K501	1924	298,392		K503	1940	56,873	
K500	1925	1,719,273	M	K501	1925	291,668		K503	1943	71,900	
K500	1926	1,529,740	M	K501	1926	284,600		K503	1944	224,274	
K500	1927	1,681,288	M	K501	1927	275,300		K503	1945	157,631	
K500	1928	1,255,477	M	K501	1928	285,500		K503	1946	121,480	
K500	1929	1,206,583	M	K501	1929	348,381		K503	1947	53,800	
K500	1930	654,153	M	K501	1930	390,397		K504	1932	16,557	
K500.2	1916	2,765,993	M	K501	1931	261,383		K504	1933	88,182	
K500.2	1917	2,566,502	M	K501	1932	121,966		K504	1934	68,139	
K500.2	1918	2,157,787	M	K501	1933	149,665		K504	1935	108,499	
K500.2	1919	2,155,068	M	K501	1934	281,058		K504	1936	104,102	
K500.2	1920	2,192,359	M	K501	1935	182,014		K504	1937	117,481	
K500.2	1921	2,419,689	M	K501	1936	65,554		K504	1938	135,445	
K500.2	1922	2,500,970	M	K501	1937	80,150		K504	1939	161,032	
K500.2	1923	2,446,332	M	K501	1938	97,077		K504	1940	209,590	
K500.2	1924	3,391,539	M	K501	1939	73,601		K504	1941	210,755	

[1] X, missing monthly data from annual total
E, estimated
M, multiple wells

Table 2B. Public-supply pumpage in Kings, Queens, and Nassau Counties, N.Y., 1898-1984--continued

Well number	Year	Pumpage	Remarks	Well number	Year	Pumpage	Remarks	Well number	Year	Pumpage	Remarks
K504	1942	211,582		K507	1935	276,687		K510	1932	475,001	
K504	1943	266,000		K507	1936	379,910		K510	1933	514,490	
K504	1944	239,413		K507	1937	321,046		K510	1934	519,305	
K504	1945	220,752		K507	1938	378,876		K510	1935	469,446	
K504	1946	355,707		K507	1939	430,170		K510	1936	512,864	
K504	1947	265,637		K507	1940	421,240		K510	1937	525,286	
K505	1944	1,090,700		K507	1941	396,160		K510	1938	536,210	
K505	1945	1,038,526		K507	1942	382,265		K510	1939	549,495	
K505	1946	1,237,406		K507	1943	383,000		K510	1940	478,000	
K505	1947	678,523		K507	1944	313,470		K510	1941	451,150	
K506	1923	141,534		K507	1945	303,035		K510	1942	366,055	
K506	1924	315,089		K507	1946	300,365		K510	1943	265,000	
K506	1925	301,739		K507	1947	173,310		K510	1944	257,230	
K506	1926	299,870		K508	1924	252,056		K510	1945	270,500	
K506	1927	290,921		K508	1925	320,594		K510	1946	302,250	
K506	1928	365,900		K508	1926	323,900		K510	1947	110,960	
K506	1929	356,939		K508	1927	314,200		K512	1925	185,372	
K506	1930	316,961		K508	1928	344,500		K512	1926	358,928	
K506	1931	255,723		K508	1929	421,173		K512	1927	365,200	
K506	1932	185,139		K508	1930	470,223		K512	1928	377,760	
K506	1933	296,322		K508	1931	417,248		K512	1929	424,279	
K506	1934	389,276		K508	1932	362,585		K512	1930	488,887	
K506	1935	456,337		K508	1933	440,989		K512	1931	409,196	
K506	1936	459,138		K508	1934	482,543		K512	1932	460,615	
K506	1937	503,103		K508	1935	436,906		K512	1933	435,606	
K506	1938	478,825		K508	1936	583,688		K512	1934	469,914	
K506	1939	509,104		K508	1937	586,242		K512	1935	479,286	
K506	1940	457,204		K508	1938	596,532		K512	1936	454,426	
K506	1941	375,225		K508	1939	625,610		K512	1937	452,289	
K506	1942	346,080		K508	1940	618,710		K512	1938	462,600	
K506	1943	342,000		K508	1941	626,830		K512	1939	460,480	
K506	1944	334,390		K508	1942	551,104		K512	1940	496,725	
K506	1945	327,085		K508	1943	416,000		K512	1941	324,028	
K506	1946	327,800		K508	1944	315,325		K512	1942	190,552	
K506	1947	152,980		K508	1945	178,390		K512	1943	189,000	
K507	1925	198,171		K508	1946	212,210		K512	1944	182,357	
K507	1926	250,040		K508	1947	72,030		K512	1945	168,540	
K507	1927	98,740		K510	1924	125,700		K512	1946	211,480	
K507	1928	263,600		K510	1925	356,620		K512	1947	89,780	
K507	1929	197,580		K510	1926	337,960		K513	1925	32,447	
K507	1930	163,415		K510	1927	345,955		K513	1926	247,457	
K507	1931	153,790		K510	1928	320,500		K513	1927	343,500	
K507	1932	124,393		K510	1929	404,087		K513	1928	245,140	
K507	1933	136,251		K510	1930	510,078		K513	1929	291,602	
K507	1934	294,018		K510	1931	483,152		K513	1930	364,768	

Table 2B. Public-supply pumpage in Kings, Queens, and Nassau Counties, N.Y., 1898-1984--continued

Well number	Year	Pumpage	Remarks	Well number	Year	Pumpage	Remarks	Well number	Year	Pumpage	Remarks
K513	1931	306,152		K516	1932	127,003		K519	1937	411,987	
K513	1932	258,433		K516	1933	201,941		K519	1938	358,262	
K513	1933	87,530		K516	1934	331,237		K519	1939	237,299	
K513	1934	122,523		K516	1935	329,771		K519	1940	214,964	
K513	1935	110,217		K516	1936	426,593		K519	1941	223,680	
K513	1936	56,928		K516	1937	485,145		K519	1942	201,750	
K513	1937	55,919		K516	1938	497,196		K519	1943	211,000	
K513	1938	60,141		K516	1939	492,210		K519	1944	198,025	
K513	1939	60,942		K516	1940	489,995		K519	1945	258,865	
K513	1940	64,994		K516	1941	488,095		K519	1946	372,530	
K513	1941	71,163		K516	1942	453,580		K519	1947	167,060	
K513	1942	56,268		K516	1943	456,000		K520	1929	139,164	
K513	1943	104,000		K516	1944	414,090		K520	1930	743,824	
K513	1944	104,510		K516	1945	381,285		K520	1931	561,029	
K513	1945	117,649		K516	1946	374,315		K520	1932	912,617	
K513	1946	150,351		K516	1947	195,120		K520	1933	855,376	
K513	1947	61,510		K517	1927	271,386		K520	1934	770,069	
K514	1926	169,800		K517	1928	303,167		K520	1935	847,902	
K514	1927	253,200		K517	1929	365,061		K520	1936	854,471	
K514	1928	331,900		K517	1930	349,642		K520	1937	847,329	
K514	1929	315,825		K517	1931	283,368		K520	1938	855,013	
K514	1930	333,057		K517	1932	210,132		K520	1939	833,010	
K514	1931	221,200		K517	1933	397,532		K520	1940	819,400	
K514	1932	95,528		K517	1934	397,803		K520	1941	796,420	
K514	1933	63,962		K517	1935	369,113		K520	1942	769,230	
K514	1934	73,173		K517	1936	397,239		K520	1943	623,000	
K514	1935	3,936		K517	1937	398,241		K520	1944	495,700	
K514	1936	52,988		K517	1938	395,569		K520	1945	247,875	
K514	1937	58,211		K517	1939	386,815		K520	1946	5,030	
K514	1938	49,924		K517	1940	475,505		K521	1929	190,936	
K514	1939	93,181		K517	1941	497,276		K521	1930	932,728	
K514	1940	94,494		K517	1942	481,950		K521	1931	1,104,541	
K514	1941	134,475		K517	1943	473,000		K521	1932	567,014	
K514	1942	122,030		K517	1944	460,270		K521	1933	300,791	
K514	1943	135,000		K517	1945	449,570		K521	1934	213,635	
K514	1944	91,380		K517	1946	451,150		K521	1935	118,349	
K514	1945	120,540		K517	1947	213,440		K521	1936	118,729	
K514	1946	185,650		K519	1929	482,666		K521	1937	138,218	
K514	1947	53,895		K519	1930	679,322		K521	1938	178,173	
K516	1926	103,625		K519	1931	656,455		K521	1939	279,681	
K516	1927	350,320		K519	1932	424,230		K521	1940	197,043	
K516	1928	394,300		K519	1933	758,579		K521	1941	205,005	
K516	1929	353,071		K519	1934	643,857		K521	1942	52,330	
K516	1930	218,593		K519	1935	583,034		K521	1943	101,000	
K516	1931	342,602		K519	1936	434,999		K521	1944	86,610	

Table 2B. Public-supply pumpage in Kings, Queens, and Nassau Counties, N.Y., 1898-1984--continued

Well number	Year	Pumpage	Remarks	Well number	Year	Pumpage	Remarks	Well number	Year	Pumpage	Remarks
K521	1945	57,165		K525	1932	345,485		K528	1941	810,835	
K521	1946	10,520		K525	1933	82,322		K528	1942	744,400	
K522	1930	319,077		K525	1934	36,630		K528	1943	376,000	
K522	1931	991,447		K525	1935	13,423		K528	1944	8,500	
K522	1932	1,051,775		K525	1936	144,839		K529	1934	39,461	
K522	1933	864,647		K525	1937	118,619		K529	1935	245,681	
K522	1934	879,083		K525	1938	2,470		K529	1936	278,083	
K522	1935	849,974		K526	1931	139,041		K529	1937	283,405	
K522	1936	905,241		K526	1932	1,107,477		K529	1938	294,060	
K522	1937	933,551		K526	1933	1,040,654		K529	1939	303,585	
K522	1938	926,058		K526	1934	826,462		K529	1940	212,390	
K522	1939	727,485		K526	1935	544,867		K529	1941	238,260	
K522	1940	534,475		K526	1936	544,748		K529	1942	178,805	
K522	1941	487,070		K526	1937	155,642		K529	1943	139,000	
K522	1942	424,530		K526	1938	65,886		K530	1935	515,882	
K522	1943	323,000		K526	1939	295,439		K530	1936	741,726	
K522	1944	338,450		K526	1940	392,726		K530	1937	731,704	
K522	1945	330,410		K526	1941	351,895		K530	1938	452,787	
K522	1946	367,530		K526	1942	375,382		K530	1939	228,932	
K522	1947	176,080		K526	1943	373,230	E	K530	1940	119,759	
K523	1930	305,939		K526	1944	382,239		K530	1941	108,640	
K523	1931	554,960		K526	1945	361,340	E	K530	1942	113,170	
K523	1932	501,039		K526	1946	319,582	E	K530	1943	163,000	
K523	1933	764,097		K526	1947	258,989	E	K530	1944	149,210	
K523	1934	233,236		K527	1934	68,742		K530	1945	114,426	
K523	1935	5,698		K527	1935	185,797		K530	1946	109,374	
K523	1936	93,102		K527	1936	232,291		K530	1947	28,750	
K524	1931	507,594		K527	1937	292,689		K531	1937	708,206	
K524	1932	837,256		K527	1938	291,592		K531	1938	915,383	
K524	1933	679,843		K527	1939	311,805		K531	1939	819,945	
K524	1934	524,278		K527	1940	281,320		K531	1940	712,824	
K524	1935	548,275		K527	1941	288,755		K531	1941	737,097	
K524	1936	528,181		K527	1942	315,785		K531	1942	750,778	
K524	1937	464,682		K527	1943	316,000		K531	1943	757,770	E
K524	1938	504,252		K527	1944	324,130		K531	1944	774,701	
K524	1939	402,180		K527	1945	295,670		K531	1945	733,630	E
K524	1940	392,635		K527	1946	290,490		K531	1946	648,848	E
K524	1941	392,375		K527	1947	144,810		K531	1947	127,561	E
K524	1942	571,220		K528	1934	243,288		K1232	1941	126,273	E
K524	1943	546,000		K528	1935	763,106		K1232	1942	252,818	E
K524	1944	455,520		K528	1936	844,176		K1232	1943	246,666	E
K524	1945	360,525		K528	1937	856,432		K1232	1944	253,920	E
K524	1946	267,180		K528	1938	855,126		K1232	1945	253,730	E
K524	1947	136,310		K528	1939	778,750		K1232	1946	240,343	E
K525	1931	297,471		K528	1940	851,345		K1232	1947	117,556	E

Table 2B. Public-supply pumpage in Kings, Queens, and Nassau Counties, N.Y., 1898-1984--continued

Well number	Year	Pumpage	Remarks	Well number	Year	Pumpage	Remarks	Well number	Year	Pumpage	Remarks
K1233	1941	126,273	E	K1359	1946	296,500		Q301	1924	291,277	
K1233	1942	252,818	E	K1359	1947	146,510		Q301	1925	240,178	
K1233	1943	246,666	E	K1360	1944	233,440		Q301	1926	237,322	
K1233	1944	253,920	E	K1360	1945	483,610		Q301	1927	240,389	
K1233	1945	253,730	E	K1360	1946	494,340		Q301	1928	220,916	
K1233	1946	240,343	E	K1360	1947	276,130		Q301	1929	197,018	
K1233	1947	117,556	E	K1363	1945	166,640		Q301	1930	150,421	
K1234	1941	126,274	E	K1363	1946	259,540		Q301	1931	111,789	
K1234	1942	252,819	E	K1363	1947	125,880		Q301	1932	125,857	
K1234	1943	246,668	E	K1516	1946	69,670		Q301	1933	135,430	
K1234	1944	253,920	E	K1516	1947	120,440		Q301	1934	66,940	
K1234	1945	253,730	E	Q68	1940	143,036		Q301	1935	123,630	
K1234	1946	240,344	E	Q68	1941	142,111		Q301	1936	138,491	
K1234	1947	117,558	E	Q68	1942	142,800		Q301	1937	132,453	
K1329	1942	27,260		Q68	1943	144,000		Q301	1938	59,894	
K1329	1943	309,000		Q68	1944	317,450		Q301	1939	22,507	
K1329	1944	289,280		Q68	1945	534,735		Q301	1940	108,366	
K1329	1945	285,350		Q68	1946	531,594		Q301	1941	59,397	
K1329	1946	276,390		Q68	1947	514,561		Q301	1942	8,333	
K1329	1947	130,290		Q68	1948	471,652		Q301	1943	26,028	
K1331	1943	261,070		Q68	1949	233,314		Q301	1944	24,134	
K1331	1944	287,620		Q68	1950	209,875		Q301	1974	6,400	
K1331	1945	286,880		Q68	1951	206,225		Q301	1975	3,900	
K1331	1946	272,940		Q68	1952	256,960		Q301	1976	17,000	
K1331	1947	125,975		Q68	1953	198,380		Q301	1977	21,400	
K1338	1943	241,000		Q68	1954	192,946		Q301	1978	28,700	
K1338	1944	303,197		Q68	1955	123,510		Q301	1979	39,900	
K1338	1945	297,505		Q68	1956	38,412		Q301	1980	30,600	
K1338	1946	298,730		Q68	1957	10,016		Q301	1981	50,700	
K1338	1947	144,030		Q68	1958	4,050		Q301	1982	58,900	
K1343	1943	157,000		Q68	1959	9,810		Q301	1983	62,600	
K1343	1944	294,280		Q68	1960	4,270		Q301	1984	33,300	
K1343	1945	285,035		Q68	1961	2,028		Q302	1921	12,000	E
K1343	1946	280,040		Q68	1962	14,220		Q302	1922	24,000	E
K1343	1947	134,320		Q68	1963	16,905		Q302	1923	21,000	E
K1351	1944	153,761		Q68	1964	18,090		Q302	1924	20,080	
K1351	1945	155,421		Q68	1965	1,430		Q302	1925	9,665	
K1351	1946	147,189		Q68	1966	24,376		Q302	1926	5,163	
K1351	1947	86,260		Q68	1967	10,260		Q302	1927	20,272	
K1357	1944	467,415		Q68	1968	11,550		Q302	1928	35,556	
K1357	1945	686,111		Q68	1969	6,760		Q302	1929	39,636	
K1357	1946	693,171		Q68	1970	6,760		Q302	1930	20,382	
K1357	1947	336,450		Q68	1971	18,778		Q302	1931	8,320	
K1359	1944	145,540		Q68	1972	984		Q302	1932	16,127	
K1359	1945	296,375		Q301	1923	316,790		Q302	1933	17,261	

Table 2B. Public-supply pumpage in Kings, Queens, and Nassau Counties, N.Y., 1898-1984--continued

Well number	Year	Pumpage	Remarks	Well number	Year	Pumpage	Remarks	Well number	Year	Pumpage	Remarks
Q302	1934	8,120		Q304	1926	137,675		Q305	1939	94,899	
Q302	1935	7,235		Q304	1927	180,000		Q305	1940	83,131	
Q302	1936	4,990		Q304	1928	150,000		Q305	1941	96,477	
Q302	1937	1,737		Q304	1929	86,661		Q305	1942	30,990	
Q302	1938	63		Q304	1930	17,940		Q305	1943	47,680	
Q302	1939	4,577		Q304	1931	42,757		Q305	1944	102,656	
Q302	1941	13,096		Q304	1932	43,083		Q305	1976	7,060	
Q302	1943	9,637		Q304	1933	41,428		Q306	1908	49,500	M
Q302	1944	39,010		Q304	1934	42,809		Q306	1910	30,545	M
Q303	1922	56,590		Q304	1935	18,118		Q306	1911	51,939	M
Q303	1923	238,580		Q304	1936	16,325		Q306	1913	238,952	M
Q303	1924	359,796		Q304	1937	15,819		Q306	1914	341,958	M
Q303	1925	370,349		Q304	1938	10,593		Q306	1915	468,291	M
Q303	1926	247,592		Q304	1939	10,188		Q306	1916	519,800	X,M
Q303	1927	213,894		Q304	1940	20,286		Q306	1917	302,000	M
Q303	1928	164,380		Q304	1941	19,436		Q306	1918	456,610	M
Q303	1929	160,175		Q304	1942	10,167		Q306	1919	476,400	M
Q303	1930	211,130		Q304	1943	11,924		Q306	1920	484,570	M
Q303	1931	282,050		Q304	1944	213,860		Q306	1921	351,140	M
Q303	1932	335,505		Q304	1974	55,930		Q306	1922	465,320	M
Q303	1933	269,024		Q304	1975	75,310		Q306	1923	541,160	M
Q303	1934	317,666		Q304	1976	32,790		Q306	1924	679,980	M
Q303	1935	389,610		Q304	1977	50,670		Q306	1925	594,600	M
Q303	1936	382,700		Q304	1978	40,500		Q306	1926	884,740	X,M
Q303	1937	334,305		Q304	1979	61,740		Q306	1927	1,061,420	M
Q303	1938	146,883		Q304	1980	67,930		Q306	1928	623,780	M
Q303	1939	194,238		Q304	1981	81,870		Q306	1929	1,039,200	M
Q303	1940	122,421		Q304	1982	148,650		Q306	1930	1,229,850	M
Q303	1941	158,685		Q304	1983	61,770		Q306	1931	1,043,610	M
Q303	1942	83,840		Q304	1984	34,670		Q306	1932	852,140	M
Q303	1943	70,896		Q305	1924	117,726		Q306	1933	902,550	M
Q303	1944	214,547		Q305	1925	428,860		Q306	1934	540,430	M
Q303	1974	112,400		Q305	1926	391,957		Q306	1935	94,659	E
Q303	1975	76,000		Q305	1927	197,695		Q306	1936	272,220	E
Q303	1976	74,980		Q305	1928	349,252		Q306	1937	262,617	E
Q303	1977	196,720		Q305	1929	253,349		Q306	1938	261,835	E
Q303	1978	193,400		Q305	1930	311,652		Q306	1939	281,257	E
Q303	1979	195,500		Q305	1931	307,420		Q306	1940	283,912	E
Q303	1980	156,300		Q305	1932	283,512		Q306	1941	285,985	E
Q303	1981	218,000		Q305	1933	151,464		Q306	1942	272,025	E
Q303	1982	211,900		Q305	1934	100,230		Q306	1943	293,975	E
Q303	1983	82,800		Q305	1935	239,930		Q306	1944	289,530	E
Q303	1984	113,100		Q305	1936	192,765		Q307	1924	145,887	
Q304	1924	181,734		Q305	1937	98,333		Q307	1925	304,266	
Q304	1925	184,982		Q305	1938	53,588		Q307	1926	211,086	

Table 2B. Public-supply pumpage in Kings, Queens, and Nassau Counties, N.Y., 1898-1984--continued

Well number	Year	Pumpage	Remarks	Well number	Year	Pumpage	Remarks	Well number	Year	Pumpage	Remarks
Q307	1927	275,066		Q308	1942	44,389		Q311	1926	229,515	
Q307	1928	361,478		Q308	1943	175,115		Q311	1927	305,006	
Q307	1929	487,035		Q308	1944	338,300		Q311	1928	374,060	
Q307	1930	301,712		Q308	1974	85,400		Q311	1929	315,328	
Q307	1931	233,128		Q308	1975	110,000		Q311	1930	172,955	
Q307	1932	361,712		Q308	1976	142,700		Q311	1931	114,691	
Q307	1933	350,705		Q308	1977	101,600		Q311	1932	87,475	
Q307	1934	311,666		Q308	1978	170,500		Q311	1933	284,216	
Q307	1935	298,803		Q308	1979	162,000		Q311	1934	249,739	
Q307	1936	300,257		Q308	1980	77,200		Q311	1935	269,668	
Q307	1937	295,883		Q308	1981	113,100		Q311	1936	72,444	
Q307	1938	303,205		Q308	1982	77,600		Q311	1937	161,701	
Q307	1939	483,067		Q308	1983	1,100		Q311	1938	59,825	
Q307	1940	433,425		Q310	1925	160,239		Q311	1939	22,108	
Q307	1941	361,537		Q310	1926	174,596		Q311	1941	118,480	
Q307	1942	402,118		Q310	1927	138,994		Q311	1942	324,511	
Q307	1943	424,795		Q310	1928	124,354		Q311	1943	219,740	
Q307	1944	392,620		Q310	1929	131,127		Q311	1944	385,515	
Q307	1974	34,950		Q310	1930	203,122		Q311	1974	439,600	
Q307	1975	35,050		Q310	1931	100,952		Q311	1975	474,300	
Q307	1976	59,300		Q310	1932	119,586		Q311	1976	475,200	
Q307	1977	45,100		Q310	1933	127,530		Q311	1977	474,500	
Q307	1978	17,850		Q310	1934	22,298		Q311	1978	474,400	
Q307	1980	25,650		Q310	1935	27,618		Q311	1979	433,100	
Q307	1981	21,000		Q310	1936	55,191		Q311	1980	310,400	
Q307	1982	26,400		Q310	1937	20,682		Q311	1981	473,000	
Q307	1983	18,600		Q310	1938	75,091		Q311	1982	467,700	
Q308	1924	335,739		Q310	1939	268,633		Q311	1983	392,200	
Q308	1925	400,831		Q310	1940	374,517		Q311	1984	115,300	
Q308	1926	418,198		Q310	1941	405,077		Q312	1926	53,988	
Q308	1927	411,458		Q310	1942	231,097		Q312	1927	97,992	
Q308	1928	400,000		Q310	1943	279,166		Q312	1928	157,812	
Q308	1929	399,313		Q310	1944	306,730		Q312	1929	177,383	
Q308	1930	484,415		Q310	1974	19,550		Q312	1930	225,223	
Q308	1931	294,315		Q310	1975	15,100		Q312	1931	188,472	
Q308	1932	418,011		Q310	1976	29,600		Q312	1932	67,788	
Q308	1933	320,481		Q310	1977	32,700		Q312	1933	19,548	
Q308	1934	403,870		Q310	1978	37,200		Q312	1934	11,342	
Q308	1935	363,283		Q310	1979	24,000		Q312	1935	9,379	
Q308	1936	367,295		Q310	1980	3,500		Q312	1936	11,623	
Q308	1937	295,922		Q310	1981	118,100		Q312	1937	12,900	
Q308	1938	119,731		Q310	1982	172,200		Q312	1938	1,873	
Q308	1939	404,667		Q310	1983	272,400		Q312	1939	44,814	
Q308	1940	178,065		Q310	1984	64,500		Q312	1940	14,603	
Q308	1941	91,331		Q311	1925	230,700		Q312	1941	53,415	

Table 2B. Public-supply pumpage in Kings, Queens, and Nassau Counties, N.Y., 1898-1984--continued

Well number	Year	Pumpage	Remarks	Well number	Year	Pumpage	Remarks	Well number	Year	Pumpage	Remarks
Q312	1942	23,206		Q314	1941	267,675		Q318	1933	403,022	
Q312	1943	74,002		Q314	1942	139,705		Q318	1934	341,983	
Q312	1944	77,935		Q314	1943	284,372		Q318	1935	294,027	
Q313	1925	393		Q314	1944	204,028		Q318	1936	223,293	
Q313	1926	369,735		Q314	1974	300,200		Q318	1937	251,438	
Q313	1927	263,586		Q314	1975	472,400		Q318	1938	264,985	
Q313	1928	291,742		Q314	1976	436,700		Q318	1939	261,660	
Q313	1929	264,028		Q314	1977	310,800		Q318	1940	212,605	
Q313	1930	432,535		Q314	1978	369,300		Q318	1941	236,830	
Q313	1931	534,852		Q314	1979	400,800		Q318	1942	197,945	
Q313	1932	503,039		Q314	1980	260,300		Q318	1943	174,315	
Q313	1933	504,271		Q314	1981	251,800		Q318	1944	168,010	
Q313	1934	391,477		Q314	1982	214,300		Q319	1930	66,193	
Q313	1935	477,000		Q314	1983	476,400		Q319	1931	121,573	
Q313	1936	499,819		Q314	1984	731,400		Q319	1932	125,450	
Q313	1937	451,335		Q317	1929	208,660		Q319	1933	209,789	
Q313	1938	322,222		Q317	1930	291,690		Q319	1934	254,143	
Q313	1939	479,500		Q317	1931	332,220		Q319	1935	254,331	
Q313	1940	399,635		Q317	1932	396,036		Q319	1936	256,264	
Q313	1941	332,085		Q317	1933	446,249		Q319	1937	99,823	
Q313	1942	249,485		Q317	1934	434,328		Q319	1938	21,450	
Q313	1943	324,710		Q317	1935	418,741		Q319	1939	72,429	
Q313	1944	278,065		Q317	1936	392,788		Q319	1940	66,646	
Q313	1974	26,450		Q317	1937	354,283		Q319	1941	39,095	
Q313	1975	17,060		Q317	1938	513,039		Q319	1942	66,447	
Q313	1976	17,090		Q317	1939	471,924		Q319	1943	26,330	
Q313	1977	22,370		Q317	1940	459,150		Q319	1944	36,875	
Q313	1980	23,230		Q317	1941	394,100		Q319	1975	4,300	
Q313	1983	40,700		Q317	1942	412,550		Q319	1976	17,000	
Q313	1984	24,800		Q317	1943	382,200		Q319	1977	40,200	
Q314	1926	43,314		Q317	1944	402,280		Q319	1978	32,840	
Q314	1927	164,124		Q317	1974	571,300		Q321	1931	4,616	
Q314	1928	244,894		Q317	1975	583,400		Q321	1932	195,803	
Q314	1929	194,642		Q317	1976	581,700		Q321	1933	356,410	
Q314	1930	206,861		Q317	1977	572,000		Q321	1934	447,557	
Q314	1931	163,300		Q317	1978	546,100		Q321	1935	382,816	
Q314	1932	190,315		Q317	1979	440,600		Q321	1936	390,356	
Q314	1933	262,489		Q317	1980	547,000		Q321	1937	405,370	
Q314	1934	306,193		Q317	1981	543,500		Q321	1938	434,734	
Q314	1935	204,636		Q317	1982	513,000		Q321	1939	415,484	
Q314	1936	330,807		Q317	1983	446,500		Q321	1940	61,063	
Q314	1937	299,091		Q317	1984	386,200		Q321	1941	99,820	
Q314	1938	190,800		Q318	1930	225,101		Q321	1942	274,424	
Q314	1939	93,410		Q318	1931	533,524		Q321	1943	317,405	
Q314	1940	32,455		Q318	1932	487,555		Q321	1944	355,067	

Table 2B. Public-supply pumpage in Kings, Queens, and Nassau Counties, N.Y., 1898-1984--continued

Well number	Year	Pumpage	Remarks	Well number	Year	Pumpage	Remarks	Well number	Year	Pumpage	Remarks
Q321	1974	50,625		Q323	1944	559,485		Q324.2	1938	343,135	E
Q321	1975	41,400		Q323	1974	1,000		Q324.2	1939	329,292	E
Q321	1976	46,350		Q323	1975	9,800		Q324.2	1940	296,195	E
Q321	1977	21,750		Q323	1976	24,470		Q324.2	1941	357,145	E
Q321	1978	23,325		Q323	1977	11,000		Q324.2	1942	335,365	E
Q321	1979	13,500		Q323	1978	17,700		Q324.2	1943	312,448	E
Q321	1980	20,925		Q323	1979	1,800		Q324.2	1944	333,813	E
Q321	1981	22,800		Q323	1980	5,500		Q351	1925	8,839	E
Q321	1982	23,925		Q323	1981	7,500		Q351	1926	9,301	
Q321	1984	160,400		Q323	1982	45,800		Q351	1927	8,777	
Q322	1932	135,448		Q323	1983	32,900		Q351	1928	3,990	
Q322	1933	264,442		Q323	1984	13,730		Q351	1936	146,936	
Q322	1934	373,170		Q324	1906	582,740	M	Q351	1937	272,954	
Q322	1935	368,990		Q324	1907	1,007,327	M	Q351	1938	294,284	
Q322	1936	356,338		Q324	1908	1,030,868	M	Q351	1939	442,054	
Q322	1937	367,799		Q324	1909	1,185,613	M	Q351	1940	417,442	
Q322	1938	339,532		Q324	1910	1,317,644	M	Q351	1941	456,179	
Q322	1939	325,018		Q324	1911	1,229,113	M	Q351	1942	358,400	
Q322	1940	373,280		Q324	1912	1,412,971	M	Q351	1943	327,000	
Q322	1941	380,760		Q324	1913	1,623,109	M	Q351	1944	350,771	
Q322	1942	331,075		Q324	1914	1,561,031	M	Q351	1945	167,717	
Q322	1943	358,115		Q324	1915	1,513,831	M	Q352	1906	468,291	M,E
Q322	1944	353,885		Q324	1916	896,751	X,M	Q352	1907	641,220	M,E
Q322	1974	66,900		Q324	1917	1,376,110	M	Q352	1908	531,545	M,E
Q322	1975	127,000		Q324	1918	1,494,580	M	Q352	1909	566,044	M,E
Q322	1976	116,500		Q324	1919	1,466,890	M	Q352	1910	639,860	M,E
Q322	1977	109,500		Q324	1920	1,593,010	M	Q352	1911	663,578	M,E
Q322	1978	79,300		Q324	1921	1,488,810	M	Q352	1912	734,712	M,E
Q322	1979	57,900		Q324	1922	1,468,720	M	Q352	1913	754,229	M,E
Q322	1980	41,200		Q324	1923	1,388,610	M	Q352	1914	800,251	M,E
Q322	1981	65,100		Q324	1924	1,408,540	M	Q352	1915	828,514	M,E
Q322	1982	108,700		Q324	1925	1,229,350	M	Q352	1916	954,358	M,E
Q322	1983	107,800		Q324	1926	994,320	X,M	Q352	1917	1,037,567	M,E
Q322	1984	215,200		Q324	1927	1,058,420	M	Q352	1918	1,201,304	M,E
Q323	1933	151,711		Q324	1928	1,106,920	M	Q352	1919	1,147,768	M,E
Q323	1934	352,373		Q324	1929	1,053,210	M	Q352	1920	1,220,453	M,E
Q323	1935	342,352		Q324	1930	956,610	M	Q352	1921	1,349,199	M,E
Q323	1936	326,189		Q324	1931	935,630	M	Q352	1922	1,557,915	M,E
Q323	1937	418,436		Q324	1932	996,230	M	Q352	1923	2,001,821	M,E
Q323	1938	478,953		Q324	1933	1,017,920	M	Q352	1924	2,272,238	M,E
Q323	1939	384,806		Q324	1934	480,130	M	Q352	1925	2,372,336	M,E
Q323	1940	467,775		Q324.2	1934	171,332	E	Q352	1926	2,496,855	M
Q323	1941	565,648		Q324.2	1935	326,098	E	Q352	1927	2,532,011	M
Q323	1942	561,337		Q324.2	1936	285,677	E	Q352	1928	2,651,907	M
Q323	1943	575,400		Q324.2	1937	280,077	E	Q352	1929	2,555,041	M

Table 2B. Public-supply pumpage in Kings, Queens, and Nassau Counties, N.Y., 1898-1984--continued

Well number	Year	Pumpage	Remarks	Well number	Year	Pumpage	Remarks	Well number	Year	Pumpage	Remarks
Q352	1930	2,743,110	M	Q353	1930	31,963	M	Q354	1932	352,524	
Q352	1931	2,639,425	M	Q353	1931	27,080	M	Q354	1933	424,095	
Q352	1932	2,594,031	M	Q353	1932	17,551	M	Q354	1934	449,426	
Q352	1933	2,242,151	M	Q353	1933	41,417	M	Q354	1935	705,132	
Q352	1934	1,983,722	M	Q353	1934	76,731	M	Q354	1936	784,860	
Q352	1935	1,210,174	M	Q353	1935	326,449	M	Q354	1937	775,216	
Q352	1936	754,336	M	Q353	1936	475,629	M	Q354	1938	778,466	
Q352	1937	663,986	M	Q353	1937	446,247	M	Q354	1939	820,047	
Q352	1938	715,587	M	Q353	1938	484,985	M	Q354	1940	804,872	
Q352	1939	687,623	M	Q353	1939	450,559	M	Q354	1941	797,396	
Q352	1940	488,999	M	Q353	1940	372,897	M	Q354	1942	786,900	
Q352	1941	654,610	M	Q353	1941	378,803	M	Q354	1943	788,000	
Q352	1942	494,300	M	Q353	1942	493,200	M	Q354	1944	645,980	
Q352	1943	568,000	M	Q353	1943	614,000	M	Q354	1945	707,827	
Q352	1944	544,121	M	Q353	1944	679,465	M	Q354	1946	698,233	
Q352	1945	377,303	M	Q353	1945	598,811	M	Q354	1947	699,017	
Q352	1946	301,222	M	Q353	1946	241,821	M	Q354	1948	703,609	
Q352	1947	263,864	M	Q353	1947	87,490	M	Q354	1949	696,435	
Q352	1948	412,063	M	Q353	1948	106,819	M	Q354	1950	692,405	
Q353	1904	439,200	M,E	Q353	1949	281,908	M	Q354	1951	692,040	
Q353	1905	438,000	M,E	Q353	1952	4,296	M	Q354	1952	686,714	
Q353	1906	6,209	M,E	Q353	1956	70,308	M	Q354	1953	685,105	
Q353	1907	8,502	M,E	Q353	1957	75,470	M	Q354	1954	671,235	
Q353	1908	7,048	M,E	Q353	1958	74,424	M	Q354	1955	583,530	
Q353	1909	7,505	M,E	Q353	1959	54,150	M	Q354	1956	670,870	
Q353	1910	8,484	M,E	Q353	1960	107,712	M	Q354	1957	669,615	
Q353	1911	8,799	M,E	Q353	1961	162,410	M	Q354	1958	667,950	
Q353	1912	9,742	M,E	Q353	1962	24,472	M	Q354	1959	659,190	
Q353	1913	9,870	M,E	Q353	1963	32,604	M	Q354	1960	597,456	
Q353	1914	10,611	M,E	Q353	1964	41,710	M	Q354	1961	738,947	
Q353	1915	10,986	M,E	Q353	1965	68,968	M	Q354	1962	785,115	
Q353	1916	12,654	M,E	Q353	1966	95,944	M	Q354	1963	776,355	
Q353	1917	13,757	M,E	Q353	1967	69,973	M	Q354	1964	773,800	
Q353	1918	15,929	M,E	Q353	1968	124,292	M	Q354	1965	761,390	
Q353	1919	15,219	M,E	Q353	1969	116,234	M	Q354	1966	751,170	
Q353	1920	16,183	M,E	Q353	1970	116,234	M	Q354	1967	747,155	
Q353	1921	17,890	M,E	Q353	1971	101,088	M	Q354	1968	750,075	
Q353	1922	20,657	M,E	Q353	1972	4,631	M	Q354	1969	760,624	
Q353	1923	26,543	M,E	Q354	1925	62,868	E	Q354	1970	760,624	
Q353	1924	30,129	M,E	Q354	1926	66,165		Q354	1971	807,015	
Q353	1925	29,436	M,E	Q354	1927	59,800		Q354	1972	697,452	
Q353	1926	30,977	M	Q354	1928	112,775		Q354	1973	455,535	
Q353	1927	29,795	M	Q354	1929	218,960		Q354	1974	55,443	E
Q353	1928	33,116	M	Q354	1930	295,286		Q355	1926	40,264	
Q353	1929	31,559	M	Q354	1931	238,901		Q355	1927	65,255	

Table 2B. Public-supply pumpage in Kings, Queens, and Nassau Counties, N.Y., 1898-1984--continued

Well number	Year	Pumpage	Remarks	Well number	Year	Pumpage	Remarks	Well number	Year	Pumpage	Remarks
Q355	1928	95,841		Q557	1926	6,393		Q559	1928	256,180	
Q355	1929	154,853		Q557	1929	70,750		Q559	1929	282,015	
Q355	1930	324,534		Q557	1930	34,685		Q559	1930	224,459	
Q355	1931	132,587		Q557	1931	44,209		Q559	1931	228,017	
Q355	1932	136,097		Q557	1932	43,980		Q559	1932	227,690	
Q355	1933	228,068		Q557	1933	73,155		Q559	1933	197,160	
Q355	1934	407,821		Q557	1934	79,556		Q559	1934	179,916	
Q355	1935	617,136		Q557	1935	53,831		Q559	1935	225,336	
Q355	1936	702,761		Q557	1936	30,071		Q559	1936	270,940	
Q355	1937	628,793		Q557	1937	4,600		Q559	1937	231,692	
Q355	1938	781,606		Q557	1938	15		Q559	1938	118,788	
Q355	1939	849,970		Q557	1939	44,784		Q559	1939	137,524	
Q355	1940	833,831		Q557	1940	8,345		Q559	1940	213,529	
Q355	1941	803,078		Q557	1941	29,095		Q559	1941	181,840	
Q355	1942	785,100		Q557	1942	1,647		Q559	1942	330,295	
Q355	1943	793,000		Q557	1943	33,028		Q559	1943	376,375	
Q355	1944	761,951		Q557	1944	58,188		Q559	1944	252,580	
Q355	1945	760,471		Q558	1930	189,397		Q560	1935	94,659	E
Q355	1946	753,632		Q558	1931	359,123		Q560	1936	272,220	E
Q355	1947	753,642		Q558	1932	479,790		Q560	1937	262,617	E
Q355	1948	756,955		Q558	1933	430,998		Q560	1938	261,835	E
Q355	1949	759,975		Q558	1934	414,825		Q560	1939	281,257	E
Q355	1950	771,610		Q558	1935	408,908		Q560	1940	283,912	E
Q355	1951	762,120		Q558	1936	285,539		Q560	1941	285,985	E
Q355	1952	767,595		Q558	1937	351,848		Q560	1942	272,025	E
Q355	1953	761,025		Q558	1938	299,884		Q560	1943	293,975	E
Q355	1954	751,170		Q558	1939	411,476		Q560	1944	289,530	E
Q355	1955	742,775		Q558	1940	356,267		Q560	1974	107,833	E
Q355	1956	737,300		Q558	1941	335,063		Q560	1975	159,933	E
Q355	1957	723,389		Q558	1942	314,115		Q560	1976	89,900	E
Q355	1958	714,670		Q558	1943	434,805		Q560	1977	38,000	E
Q355	1959	716,860		Q558	1944	349,390		Q560	1978	121,500	E
Q355	1960	725,255		Q558	1974	176,500		Q560	1979	160,333	E
Q355	1961	641,337		Q558	1975	220,900		Q560	1980	97,267	E
Q355	1962	748,250		Q558	1976	219,300		Q560	1981	49,167	E
Q355	1963	710,655		Q558	1977	186,400		Q560	1982	107,733	E
Q355	1964	661,015		Q558	1978	219,600		Q561	1935	94,659	E
Q355	1965	495,830		Q558	1979	191,500		Q561	1936	272,220	E
Q355	1966	620,046		Q558	1980	167,800		Q561	1937	262,617	E
Q355	1967	560,280		Q558	1981	218,900		Q561	1938	261,835	E
Q355	1968	471,215		Q558	1982	213,400		Q561	1939	281,257	E
Q355	1969	470,120		Q558	1983	104,500		Q561	1940	283,912	E
Q355	1970	470,120		Q558	1984	109,500		Q561	1941	285,985	E
Q355	1971	445,300		Q559	1926	112,197		Q561	1942	272,025	E
Q355	1972	184,191		Q559	1927	122,657		Q561	1943	293,975	E

Table 2B. Public-supply pumpage in Kings, Queens, and Nassau Counties, N.Y., 1898-1984--continued

Well number	Year	Pumpage	Remarks	Well number	Year	Pumpage	Remarks	Well number	Year	Pumpage	Remarks
Q561	1944	289,530	E	Q563	1974	27,410		Q565	1940	556,450	
Q561	1974	107,833	E	Q563	1975	13,450		Q565	1941	548,890	
Q561	1975	159,933	E	Q563	1976	18,040		Q565	1942	560,940	
Q561	1976	89,900	E	Q563	1977	25,640		Q565	1943	494,690	
Q561	1977	38,000	E	Q563	1978	41,520		Q565	1944	442,220	
Q561	1978	121,500	E	Q563	1979	25,350		Q565	1974	137,500	
Q561	1979	160,333	E	Q563	1980	25,900		Q566	1929	43,578	
Q561	1980	97,267	E	Q563	1981	19,900		Q566	1930	40,121	
Q561	1981	49,167	E	Q563	1982	25,050		Q566	1931	76,081	
Q561	1982	107,733	E	Q564	1931	210,110		Q566	1932	145,338	
Q562	1935	283,978		Q564	1932	506,651		Q566	1933	150,778	
Q562	1936	816,660		Q564	1933	463,262		Q566	1934	52,301	
Q562	1937	787,850		Q564	1934	459,899		Q566	1935	23,443	
Q562	1938	785,499		Q564	1935	464,158		Q566	1936	25,592	
Q562	1939	843,771		Q564	1936	325,099		Q566	1937	33,725	
Q562	1940	851,735		Q564	1937	254,062		Q566	1938	21,095	
Q562	1941	857,955		Q564	1938	343,362		Q566	1939	64,849	
Q562	1942	816,075		Q564	1939	356,761		Q566	1940	3,760	
Q562	1943	881,925		Q564	1940	152,593		Q566	1941	24,857	
Q562	1944	868,590		Q564	1941	214,038		Q566	1942	2,591	
Q562	1974	974,300		Q564	1942	113,999		Q566	1943	44,754	
Q562	1975	985,000		Q564	1943	234,918		Q566	1944	152,297	
Q562	1976	987,300		Q564	1944	338,990		Q566	1974	364,700	
Q562	1977	962,900		Q564	1974	437,000		Q566	1975	391,100	
Q562	1978	831,000		Q564	1975	429,900		Q566	1976	427,900	
Q562	1979	905,300		Q564	1976	433,600		Q566	1977	399,500	
Q562	1980	1,011,100		Q564	1977	436,500		Q566	1978	347,400	
Q562	1981	1,021,000		Q564	1978	424,500		Q566	1979	343,000	
Q562	1982	1,071,400		Q564	1979	376,500		Q566	1980	365,700	
Q562	1983	911,900		Q564	1980	304,200		Q566	1981	353,200	
Q562	1984	894,300		Q564	1981	435,500		Q566	1982	148,000	
Q563	1931	54,858		Q564	1982	326,000		Q566	1983	218,700	
Q563	1932	95,528		Q564	1983	393,800		Q566	1984	216,900	
Q563	1933	28,232		Q565	1928	132,512		Q567	1930	47,038	
Q563	1934	65,228		Q565	1929	230,709		Q567	1933	6,964	
Q563	1935	9,008		Q565	1930	302,308		Q567	1937	268,539	
Q563	1936	10,885		Q565	1931	354,304		Q567	1938	483,365	
Q563	1937	10,078		Q565	1932	205,590		Q567	1939	488,910	
Q563	1938	7,961		Q565	1933	124,310		Q567	1940	420,770	
Q563	1939	36,371		Q565	1934	219,620		Q567	1941	436,040	
Q563	1940	15,077		Q565	1935	125,778		Q567	1942	404,665	
Q563	1941	75,495		Q565	1936	84,067		Q567	1943	433,575	
Q563	1942	89,461		Q565	1937	156,809		Q567	1944	439,685	
Q563	1943	16,431		Q565	1938	382,582		Q567	1974	361,200	
Q563	1944	26,596		Q565	1939	540,392		Q567	1975	194,800	

Table 2B. Public-supply pumpage in Kings, Queens, and Nassau Counties, N.Y., 1898-1984--continued

Well number	Year	Pumpage	Remarks	Well number	Year	Pumpage	Remarks	Well number	Year	Pumpage	Remarks
Q567	1976	372,900		Q570	1940	296,195	E	Q1378	1962	151,510	
Q567	1977	218,600		Q570	1941	357,145	E	Q1378	1963	154,530	
Q567	1978	167,900		Q570	1942	335,365	E	Q1378	1964	168,399	
Q567	1979	263,100		Q570	1943	312,448	E	Q1378	1965	60,894	
Q567	1980	475,100		Q570	1944	333,813	E	Q1378	1966	110,152	
Q567	1981	277,100		Q570	1974	36,560	E	Q1378	1967	135,534	
Q567	1982	466,500		Q570	1975	38,000	E	Q1378	1968	88,693	
Q567	1983	273,100		Q570	1976	72,633	E	Q1378	1969	119,603	
Q567	1984	242,200		Q570	1977	41,527	E	Q1378	1970	119,603	
Q568	1933	162,674		Q570	1978	42,100	E	Q1378	1971	294,965	
Q568	1934	386,391		Q570	1979	26,990	E	Q1378	1972	240,778	
Q568	1935	339,230		Q570	1980	46,137	E	Q1378	1973	99,953	
Q568	1936	330,336		Q570	1981	38,713	E	Q1378	1974	55,442	E
Q568	1937	411,159		Q570	1982	99,740	E	Q1379	1946	364,983	
Q568	1938	548,049		Q1058	1940	296,195	E	Q1379	1947	643,611	
Q568	1939	436,370		Q1058	1941	357,145	E	Q1379	1948	649,805	
Q568	1940	577,303		Q1058	1942	335,365	E	Q1379	1949	651,367	
Q568	1941	628,620		Q1058	1943	312,448	E	Q1379	1950	639,480	
Q568	1942	610,350		Q1058	1944	333,813	E	Q1379	1951	430,440	
Q568	1943	611,465		Q1058	1974	36,560	E	Q1379	1952	636,925	
Q568	1944	621,135		Q1058	1975	38,000	E	Q1379	1953	484,554	
Q568	1974	453,200		Q1058	1976	72,633	E	Q1379	1954	441,657	
Q568	1975	386,900		Q1058	1977	41,527	E	Q1379	1955	542,775	
Q568	1976	436,400		Q1058	1978	42,100	E	Q1379	1956	532,170	
Q568	1977	541,000		Q1058	1979	26,990	E	Q1379	1957	543,136	
Q568	1978	569,500		Q1058	1980	46,137	E	Q1379	1958	545,310	
Q568	1979	501,000		Q1058	1981	38,713	E	Q1379	1959	605,535	
Q568	1980	409,100		Q1058	1982	99,740	E	Q1379	1960	605,170	
Q568	1981	300,700		Q1378	1945	263,926		Q1379	1961	653,350	
Q568	1982	707,300		Q1378	1946	684,751		Q1379	1962	727,080	
Q568	1983	666,600		Q1378	1947	674,056		Q1379	1963	707,735	
Q568	1984	467,800		Q1378	1948	542,658		Q1379	1964	702,625	
Q569	1976	72,633	E	Q1378	1949	422,954		Q1379	1965	720,510	
Q569	1977	41,527	E	Q1378	1950	329,456		Q1379	1966	723,430	
Q569	1978	42,100	E	Q1378	1951	481,628		Q1379	1967	671,040	
Q569	1979	26,990	E	Q1378	1952	514,080		Q1379	1968	720,145	
Q569	1980	46,137	E	Q1378	1953	531,805		Q1379	1969	721,240	
Q569	1981	38,713	E	Q1378	1954	529,615		Q1379	1970	721,240	
Q569	1982	99,740	E	Q1378	1955	537,280		Q1379	1971	707,370	
Q570	1934	171,332	E	Q1378	1956	520,125		Q1379	1972	526,198	
Q570	1935	326,098	E	Q1378	1957	473,714		Q1379	1973	498,602	
Q570	1936	285,677	E	Q1378	1958	380,330		Q1379	1974	55,443	E
Q570	1937	280,077	E	Q1378	1959	227,997		Q1450	1974	28,340	
Q570	1938	343,135	E	Q1378	1960	94,464		Q1450	1975	24,800	
Q570	1939	329,292	E	Q1378	1961	124,292		Q1450	1976	46,500	

Table 2B. Public-supply pumpage in Kings, Queens, and Nassau Counties, N.Y., 1898-1984--continued

Well number	Year	Pumpage	Remarks	Well number	Year	Pumpage	Remarks	Well number	Year	Pumpage	Remarks
Q1450	1977	31,500		Q1484	1968	170,820		Q1511	1962	271,195	
Q1450	1978	49,600		Q1484	1969	170,090		Q1511	1963	270,465	
Q1450	1979	24,700		Q1484	1970	170,090		Q1511	1964	467,910	
Q1450	1980	44,000		Q1484	1971	147,095		Q1511	1965	254,770	
Q1450	1981	140,500		Q1484	1972	81,184		Q1511	1966	229,950	
Q1450	1982	138,000		Q1484	1973	11,050		Q1511	1967	305,325	
Q1450	1983	173,800		Q1484	1974	55,442	E	Q1511	1968	342,735	
Q1450	1984	182,900		Q1493	1949	59,678		Q1511	1969	334,705	
Q1476	1948	78,198		Q1493	1950	286		Q1511	1970	334,705	
Q1476	1949	148,724		Q1493	1952	53,775		Q1511	1971	335,070	
Q1476	1950	16,008		Q1493	1953	34,830		Q1511	1972	230,378	
Q1476	1951	31,434		Q1493	1954	65,604		Q1511	1973	275,082	
Q1476	1952	114,884		Q1493	1955	144,996		Q1511	1974	55,442	E
Q1476	1953	59,697		Q1493	1956	262,392		Q1528	1950	19,656	
Q1476	1954	83,844		Q1493	1957	230,540		Q1528	1951	140,712	
Q1476	1955	145,672		Q1493	1958	249,106		Q1528	1952	147,492	
Q1476	1956	107,640		Q1493	1959	203,200		Q1528	1953	363,175	
Q1476	1957	125,095		Q1493	1960	276,670		Q1528	1954	300,167	
Q1476	1958	107,559		Q1493	1961	163,836		Q1528	1955	66,599	
Q1476	1959	2,219		Q1493	1962	162,000		Q1528	1956	47,502	
Q1476	1960	189,070		Q1493	1963	219,730		Q1528	1957	64,907	
Q1476	1961	232,596		Q1493	1964	206,955		Q1528	1958	95,232	
Q1476	1962	246,960		Q1493	1965	228,490		Q1528	1959	332,515	
Q1476	1963	200,020		Q1493	1966	174,240		Q1528	1960	346,020	
Q1476	1964	210,970		Q1493	1967	232,166		Q1528	1961	343,830	
Q1476	1965	188,552		Q1493	1968	302,220		Q1528	1962	342,005	
Q1476	1966	168,995		Q1493	1969	335,070		Q1528	1963	318,708	
Q1476	1967	160,114		Q1493	1970	335,070		Q1528	1964	327,066	
Q1476	1968	193,085		Q1493	1971	262,800		Q1528	1965	293,095	
Q1476	1969	223,380		Q1493	1972	179,950		Q1528	1966	327,040	
Q1476	1970	223,380		Q1493	1973	39,618		Q1528	1967	385,123	
Q1476	1971	249,096		Q1493	1974	55,442	E	Q1528	1968	458,805	
Q1476	1972	145,580		Q1511	1949	32,133		Q1528	1969	455,885	
Q1476	1973	20,460		Q1511	1950	290,400		Q1528	1970	455,885	
Q1476	1974	55,442	E	Q1511	1951	217,617		Q1528	1971	475,230	
Q1477	1949	97,711		Q1511	1952	111,048		Q1528	1972	421,095	
Q1477	1966	3,408		Q1511	1953	217,392		Q1528	1973	467,704	
Q1477	1967	1,032		Q1511	1954	274,456		Q1528	1974	55,443	E
Q1477	1968	1,800		Q1511	1955	274,456		Q1534	1974	29,600	
Q1477	1969	1,800		Q1511	1956	151,174		Q1534	1975	23,700	
Q1477	1970	1,800		Q1511	1957	172,145		Q1534	1979	2,900	
Q1477	1971	11,886		Q1511	1958	200,480		Q1600	1974	322,200	
Q1477	1972	3,723		Q1511	1959	197,327		Q1600	1975	499,500	
Q1484	1949	221,226		Q1511	1960	262,800		Q1600	1976	603,300	
Q1484	1950	76,433		Q1511	1961	299,665		Q1600	1977	601,600	

Table 2B. Public-supply pumpage in Kings, Queens, and Nassau Counties, N.Y., 1898-1984--continued

Well number	Year	Pumpage	Remarks	Well number	Year	Pumpage	Remarks	Well number	Year	Pumpage	Remarks
Q1600	1978	601,400		Q1747	1978	492,200		Q1840	1981	396,500	
Q1600	1979	601,900		Q1747	1979	483,200		Q1840	1982	473,100	
Q1600	1980	603,600		Q1747	1980	428,000		Q1840	1983	443,200	
Q1600	1981	601,700		Q1747	1981	442,100		Q1840	1984	474,900	
Q1600	1982	600,600		Q1747	1982	502,500		Q1843	1974	103,500	
Q1600	1983	472,000		Q1747	1983	510,000		Q1843	1975	51,800	
Q1600	1984	578,400		Q1747	1984	512,200		Q1843	1976	93,000	
Q1604	1950	17,787		Q1811	1974	437,400		Q1843	1977	100,900	
Q1604	1951	140,336		Q1811	1975	435,200		Q1843	1978	99,800	
Q1604	1952	82,705		Q1811	1976	475,400		Q1843	1979	35,000	
Q1604	1953	111,843		Q1811	1977	501,800		Q1843	1980	37,200	
Q1604	1954	124,503		Q1811	1978	583,400		Q1843	1981	42,700	
Q1604	1955	191,475		Q1811	1979	577,300		Q1843	1983	500	
Q1604	1956	89,832		Q1811	1980	406,500		Q1957	1974	816,000	
Q1604	1957	254,932		Q1811	1981	506,100		Q1957	1975	429,900	
Q1604	1958	295,285		Q1811	1982	329,400		Q1957	1976	807,600	
Q1604	1959	255,608		Q1811	1983	124,000		Q1957	1977	781,900	
Q1604	1960	271,560		Q1811	1984	37,500		Q1957	1978	786,700	
Q1604	1961	250,390		Q1815	1974	620,200		Q1957	1979	702,300	
Q1604	1962	240,516		Q1815	1975	609,900		Q1957	1980	786,100	
Q1604	1963	346,020		Q1815	1976	621,800		Q1957	1981	785,000	
Q1604	1964	329,960		Q1815	1977	613,000		Q1957	1982	776,500	
Q1604	1965	311,710		Q1815	1978	521,400		Q1957	1983	693,300	
Q1604	1966	288,350		Q1815	1979	620,200		Q1957	1984	640,100	
Q1604	1967	276,900		Q1815	1980	620,600		Q1958	1974	154,300	
Q1604	1968	311,345		Q1815	1981	495,300		Q1958	1975	348,900	
Q1604	1969	300,760		Q1815	1982	616,800		Q1958	1976	460,600	
Q1604	1970	300,760		Q1815	1983	619,100		Q1958	1977	229,800	
Q1604	1971	278,130		Q1815	1984	618,400		Q1958	1978	241,500	
Q1604	1972	227,745		Q1839	1974	107,833	E	Q1958	1979	567,900	
Q1604	1973	217,116		Q1839	1975	159,933	E	Q1958	1980	471,400	
Q1604	1974	55,443	E	Q1839	1976	89,900	E	Q1958	1981	800,300	
Q1629	1974	830,400		Q1839	1977	38,000	E	Q1958	1982	793,700	
Q1629	1975	674,000		Q1839	1978	121,500	E	Q1958	1983	728,600	
Q1629	1976	743,700		Q1839	1979	160,333	E	Q1958	1984	677,000	
Q1629	1977	774,600		Q1839	1980	97,267	E	Q1997	1974	408,300	
Q1629	1978	680,600		Q1839	1981	49,167	E	Q1997	1975	511,500	
Q1629	1979	591,900		Q1839	1982	107,733	E	Q1997	1976	404,700	
Q1629	1980	399,300		Q1840	1974	461,100		Q1997	1977	392,200	
Q1629	1981	98,100		Q1840	1975	497,700		Q1997	1978	474,300	
Q1629	1982	140,100		Q1840	1976	511,800		Q1997	1979	473,800	
Q1747	1974	511,000		Q1840	1977	424,300		Q1997	1980	398,400	
Q1747	1975	502,100		Q1840	1978	473,900		Q1997	1981	474,400	
Q1747	1976	507,600		Q1840	1979	423,300		Q1997	1982	473,500	
Q1747	1977	496,400		Q1840	1980	378,800		Q1997	1983	474,000	

Table 2B. Public-supply pumpage in Kings, Queens, and Nassau Counties, N.Y., 1898-1984--continued

Well number	Year	Pumpage	Remarks	Well number	Year	Pumpage	Remarks	Well number	Year	Pumpage	Remarks
Q1997	1984	475,500		Q2027	1976	44,100		Q2188	1978	802,500	
Q2000	1974	84,200		Q2027	1977	12,240		Q2188	1979	798,600	
Q2000	1975	88,100		Q2027	1978	10,760		Q2188	1980	804,800	
Q2000	1976	106,300		Q2027	1979	5,900		Q2188	1981	802,700	
Q2000	1977	163,700		Q2027	1980	17,800		Q2188	1982	801,900	
Q2000	1978	221,400		Q2027	1981	39,600		Q2188	1983	620,100	
Q2000	1979	103,000		Q2027	1982	44,600		Q2188	1984	804,900	
Q2000	1980	139,500		Q2027	1983	145,200		Q2189	1974	380,200	
Q2000	1981	255,500		Q2027	1984	146,400		Q2189	1975	334,500	
Q2000	1982	255,300		Q2028	1974	725,100		Q2189	1976	285,600	
Q2000	1983	216,700		Q2028	1975	721,500		Q2189	1977	247,900	
Q2000	1984	231,400		Q2028	1976	802,400		Q2189	1978	256,000	
Q2001	1974	253,300		Q2028	1977	706,400		Q2189	1979	309,700	
Q2001	1975	135,800		Q2028	1978	613,300		Q2189	1980	419,400	
Q2001	1976	117,000		Q2028	1979	744,900		Q2189	1981	510,800	
Q2001	1977	165,000		Q2028	1980	795,600		Q2189	1982	510,800	
Q2001	1978	211,300		Q2028	1981	714,800		Q2189	1983	510,600	
Q2001	1979	154,900		Q2028	1982	818,900		Q2189	1984	512,400	
Q2001	1980	253,000		Q2028	1983	716,800		Q2243	1974	80,500	
Q2001	1981	181,000		Q2028	1984	650,400		Q2243	1975	59,400	
Q2001	1982	190,200		Q2137	1974	78,200		Q2243	1976	25,500	
Q2001	1983	321,100		Q2137	1975	67,400		Q2243	1977	43,870	
Q2001	1984	238,100		Q2137	1976	50,400		Q2243	1978	35,500	
Q2006	1974	383,000		Q2137	1978	5,100		Q2243	1979	20,900	
Q2006	1975	350,800		Q2137	1979	66,800		Q2243	1980	54,840	
Q2006	1976	329,300		Q2137	1980	136,300		Q2243	1981	42,800	
Q2006	1977	201,100		Q2137	1981	88,900		Q2243	1982	133,800	
Q2006	1978	202,000		Q2137	1982	174,900		Q2243	1983	65,550	
Q2006	1979	193,100		Q2137	1983	105,400		Q2243	1984	11,480	
Q2006	1980	51,500		Q2137	1984	184,000		Q2275	1974	39,100	
Q2006	1981	66,000		Q2138	1974	475,800		Q2275	1975	24,100	
Q2006	1982	85,600		Q2138	1975	482,500		Q2275	1976	62,500	
Q2026	1974	571,600		Q2138	1976	529,300		Q2275	1977	88,900	
Q2026	1975	379,100		Q2138	1977	527,700		Q2275	1978	62,000	
Q2026	1976	287,700		Q2138	1978	424,300		Q2275	1979	24,200	
Q2026	1977	481,400		Q2138	1979	473,000		Q2275	1980	96,500	
Q2026	1978	520,400		Q2138	1980	475,200		Q2275	1981	115,200	
Q2026	1979	437,000		Q2138	1981	473,000		Q2275	1982	148,000	
Q2026	1980	470,200		Q2138	1982	473,700		Q2275	1983	56,400	
Q2026	1981	632,700		Q2138	1983	472,700		Q2276	1974	190,500	
Q2026	1982	671,600		Q2138	1984	416,400		Q2276	1975	162,000	
Q2026	1983	429,900		Q2188	1974	731,900		Q2276	1976	182,200	
Q2026	1984	658,400		Q2188	1975	724,800		Q2276	1977	155,300	
Q2027	1974	45,800		Q2188	1976	645,500		Q2276	1978	157,100	
Q2027	1975	23,600		Q2188	1977	546,600		Q2276	1979	85,000	

Table 2B. Public-supply pumpage in Kings, Queens, and Nassau Counties, N.Y., 1898-1984--continued

Well number	Year	Pumpage	Remarks	Well number	Year	Pumpage	Remarks	Well number	Year	Pumpage	Remarks
Q2276	1980	184,300		Q2343	1975	738,800		Q2374	1977	498,900	
Q2276	1981	431,700		Q2343	1976	758,000		Q2374	1978	491,000	
Q2276	1982	755,200		Q2343	1977	767,000		Q2374	1979	491,300	
Q2276	1983	631,100		Q2343	1978	681,500		Q2374	1980	494,100	
Q2276	1984	731,700		Q2343	1979	519,900		Q2374	1981	492,700	
Q2299	1974	66,400		Q2343	1980	501,000		Q2374	1982	479,800	
Q2299	1975	54,700		Q2343	1981	235,100		Q2374	1983	421,500	
Q2299	1976	134,600		Q2343	1982	310,200		Q2374	1984	474,800	
Q2299	1977	266,900		Q2343	1983	385,600		Q2408	1974	293,700	
Q2299	1978	405,600		Q2362	1974	518,600		Q2408	1975	193,600	
Q2299	1979	616,700		Q2362	1975	501,700		Q2408	1976	368,500	
Q2299	1980	621,900		Q2362	1976	507,500		Q2408	1977	240,900	
Q2299	1981	353,400		Q2362	1977	451,100		Q2408	1978	333,200	
Q2299	1982	254,900		Q2362	1978	410,400		Q2408	1979	345,700	
Q2300	1974	753,200		Q2362	1979	510,700		Q2408	1980	347,100	
Q2300	1975	600,000		Q2362	1980	511,500		Q2408	1981	346,600	
Q2300	1976	657,700		Q2362	1981	510,700		Q2408	1982	343,600	
Q2300	1977	743,200		Q2362	1982	510,500		Q2408	1983	324,400	
Q2300	1978	778,700		Q2362	1983	511,000		Q2408	1984	59,200	
Q2300	1979	801,300		Q2362	1984	443,900		Q2409	1974	360,200	
Q2300	1980	801,200		Q2363	1974	97,500		Q2409	1975	363,900	
Q2300	1981	466,800		Q2363	1975	46,600		Q2409	1976	363,800	
Q2300	1982	198,100		Q2363	1976	140,700		Q2409	1977	306,400	
Q2300	1983	3,500		Q2363	1977	202,100		Q2409	1978	290,900	
Q2321	1974	82,700		Q2363	1978	232,800		Q2409	1979	290,800	
Q2321	1975	48,300		Q2363	1979	151,100		Q2409	1980	292,000	
Q2321	1976	125,800		Q2363	1980	136,800		Q2409	1981	291,800	
Q2321	1977	210,400		Q2363	1981	227,800		Q2409	1982	390,200	
Q2321	1978	266,100		Q2363	1982	255,300		Q2409	1983	497,300	
Q2321	1979	107,900		Q2363	1983	255,100		Q2409	1984	511,900	
Q2321	1980	245,000		Q2363	1984	158,300		Q2432	1974	818,100	
Q2321	1981	502,400		Q2373	1974	288,200		Q2432	1975	852,200	
Q2321	1982	618,700		Q2373	1975	366,600		Q2432	1976	832,700	
Q2332	1974	471,200		Q2373	1976	369,100		Q2432	1977	802,900	
Q2332	1975	585,600		Q2373	1977	302,000		Q2432	1978	800,800	
Q2332	1976	607,500		Q2373	1978	336,700		Q2432	1979	801,900	
Q2332	1977	541,700		Q2373	1979	345,700		Q2432	1980	804,000	
Q2332	1978	474,500		Q2373	1980	346,700		Q2432	1981	801,500	
Q2332	1979	474,000		Q2373	1981	346,700		Q2432	1982	800,300	
Q2332	1980	475,600		Q2373	1982	344,800		Q2432	1983	799,100	
Q2332	1981	473,600		Q2373	1983	304,600		Q2432	1984	800,800	
Q2332	1982	401,600		Q2373	1984	301,000		Q2435	1974	491,500	
Q2332	1983	474,200		Q2374	1974	511,800		Q2435	1975	555,200	
Q2332	1984	474,700		Q2374	1975	494,600		Q2435	1976	467,000	
Q2343	1974	722,100		Q2374	1976	477,100		Q2435	1977	503,500	

Table 2B. Public-supply pumpage in Kings, Queens, and Nassau Counties, N.Y., 1898-1984--continued

Well number	Year	Pumpage	Remarks	Well number	Year	Pumpage	Remarks	Well number	Year	Pumpage	Remarks
Q2435	1978	443,600		Q3014	1980	437,900		N12	1980	156,700	
Q2435	1979	484,900		Q3014	1981	437,900		N12	1981	224,100	
Q2435	1980	486,500		Q3014	1982	388,700		N12	1982	196,000	
Q2435	1981	486,700		Q3014	1983	473,400		N12	1983	288,000	
Q2435	1982	224,700		Q3014	1984	475,300		N12	1984	142,100	
Q2435	1983	410,700		Q3034	1974	543,000		N13	1974	403,550	E
Q2435	1984	464,400		Q3034	1975	635,700		N13	1975	320,850	E
Q2442	1974	52,300		Q3034	1976	698,300		N13	1976	257,600	E
Q2442	1975	183,700		Q3034	1977	698,300		N13	1977	224,700	E
Q2442	1976	73,800		Q3034	1978	693,100		N13	1978	373,400	E
Q2442	1977	100,000		Q3034	1979	691,300		N13	1979	338,300	E
Q2442	1978	84,500		Q3034	1980	687,500		N13	1980	330,000	E
Q2442	1979	48,200		Q3034	1981	664,100		N13	1981	245,300	E
Q2442	1980	115,300		Q3034	1982	692,600		N13	1982	288,300	E
Q2442	1981	68,800		Q3034	1983	693,200		N13	1983	285,850	E
Q2442	1982	93,100		Q3034	1984	694,900		N13	1984	240,450	E
Q2442	1983	4,100		Q3062	1975	88,380		N14	1943	141,541	
Q2443	1974	291,500		Q3062	1976	641,100		N14	1944	229,002	
Q2443	1975	272,700		Q3062	1977	674,600		N14	1974	27,600	
Q2443	1976	204,700		Q3062	1978	693,200		N14	1975	3,100	
Q2443	1977	303,500		Q3062	1979	692,500		N14	1976	19,300	
Q2443	1978	260,600		Q3062	1980	661,200		N14	1977	18,900	
Q2443	1979	168,300		Q3062	1981	626,900		N14	1978	26,700	
Q2443	1980	436,000		Q3062	1982	636,100		N14	1979	26,300	
Q2443	1981	279,600		Q3062	1983	690,800		N14	1980	39,500	
Q2443	1982	483,300		Q3062	1984	625,400		N14	1981	8,000	
Q2443	1983	478,800		Q3069	1977	334,600		N14	1982	30,100	
Q2443	1984	284,200		Q3069	1978	510,400		N14	1983	44,500	
Q2955	1974	298,100		Q3069	1979	491,700		N14	1984	3,900	
Q2955	1975	208,100		Q3069	1980	507,500		N15	1974	13,600	
Q2955	1976	236,500		Q3069	1981	475,400		N15	1975	900	
Q2955	1977	249,700		Q3069	1982	509,500		N15	1976	7,200	
Q2955	1978	250,400		Q3069	1983	509,000		N15	1977	8,000	
Q2955	1979	248,500		Q3069	1984	392,300		N15	1978	8,000	
Q2955	1980	352,700		Q3083	1980	303,500		N17	1974	449,600	
Q2955	1981	361,500		Q3083	1981	273,400		N17	1975	470,200	
Q2955	1982	550,300		Q3083	1982	94,200		N17	1976	473,200	
Q2955	1983	361,800		Q3083	1983	15,800		N17	1977	472,400	
Q2955	1984	264,200		Q3083	1984	3,200		N17	1978	262,500	
Q3014	1974	443,700		N12	1974	167,100		N17	1979	193,800	
Q3014	1975	433,900		N12	1975	235,500		N17	1980	123,700	
Q3014	1976	441,100		N12	1976	262,100		N17	1981	224,300	
Q3014	1977	439,000		N12	1977	207,600		N17	1982	251,000	
Q3014	1978	437,900		N12	1978	258,400		N17	1983	245,500	
Q3014	1979	417,400		N12	1979	264,200		N17	1984	171,100	

Table 2B. Public-supply pumpage in Kings, Queens, and Nassau Counties, N.Y., 1898-1984--continued

Well number	Year	Pumpage	Remarks	Well number	Year	Pumpage	Remarks	Well number	Year	Pumpage	Remarks
N22	1980	138,660		N72	1984	101,275		N97	1983	92,360	
N22	1981	88,252		N75	1980	157,128		N97	1984	144,073	
N22	1982	108,195		N75	1981	151,310		N101	1980	127,244	
N22	1983	193,296		N75	1982	214,260		N101	1981	121,966	
N22	1984	80,867		N75	1983	190,357		N101	1982	108,503	
N24	1980	309,790		N75	1984	217,675		N101	1983	60,719	
N24	1981	73,630		N76	1980	30,116		N101	1984	171,353	
N28	1980	37,477		N76	1981	13,496		N103	1980	191,320	
N28	1981	34,272		N76	1982	14,132		N103	1981	184,350	
N28	1982	26,357		N76	1983	10,584		N103	1982	225,700	
N28	1983	29,739		N79	1980	424,193		N103	1983	276,340	
N28	1984	33,772		N79	1981	163,125		N103	1984	298,740	
N29	1980	6,656		N79	1982	239,485		N104	1980	5,770	
N29	1981	16,523		N79	1983	533,069		N104	1981	2,490	
N29	1982	17,418		N79	1984	617,548		N104	1982	19,340	
N29	1983	15,390		N80	1980	54,956		N104	1983	5,360	
N29	1984	12,288		N80	1981	41,902		N104	1984	2,130	
N31	1980	162,434		N80	1982	9,299		N118	1980	3,726	
N31	1981	204,651		N80	1983	16,736		N118	1981	2,232	
N31	1982	14,787		N80	1984	47,148		N118	1982	6,354	
N31	1983	93,344		N81	1980	95,206		N118	1983	39,231	
N31	1984	8,945		N81	1981	87,506		N118	1984	5,804	
N37	1980	111,790		N81	1982	88,760		N119	1983	9,123	
N37	1981	74,540		N81	1983	145,791		N119	1984	500	
N37	1982	63,270		N81	1984	93,773		N132	1980	34,245	
N37	1983	56,830		N82	1980	111,987		N133	1980	137,196	
N37	1984	77,030		N82	1981	77,528		N133	1981	164,418	
N46	1980	27,459		N82	1982	86,499		N133	1982	127,860	
N46	1981	23,197		N82	1983	155,227		N133	1983	146,313	
N46	1982	27,174		N82	1984	102,183		N133	1984	151,649	
N46	1983	45,061		N83	1980	7,936		N134	1980	198,531	
N46	1984	65,064		N83	1981	129,479		N134	1981	224,447	
N68	1980	235,041		N83	1982	189,688		N134	1982	187,004	
N68	1981	218,780		N83	1983	189,836		N134	1983	240,846	
N68	1982	285,088		N83	1984	40,956		N134	1984	119,896	
N68	1983	241,412		N94	1980	24,024		N152	1980	44,541	
N68	1984	285,429		N94	1981	8,240		N152	1981	42,361	
N69	1980	263,832		N95	1980	120,496		N152	1982	44,913	
N69	1981	175,522		N95	1981	184,323		N152	1983	40,863	
N69	1982	280,297		N95	1982	185,041		N152	1984	62,471	
N69	1983	63,981		N95	1983	132,606		N198	1980	355,780	
N72	1980	53,122		N95	1984	114,901		N198	1981	226,480	
N72	1981	130,728		N97	1980	20,518		N198	1982	199,894	
N72	1982	174,957		N97	1981	36,327		N198	1983	335,700	
N72	1983	67,928		N97	1982	30,050		N198	1984	362,905	

Table 2B. Public-supply pumpage in Kings, Queens, and Nassau Counties, N.Y., 1898-1984--continued

Well number	Year	Pumpage	Remarks	Well number	Year	Pumpage	Remarks	Well number	Year	Pumpage	Remarks
N199	1980	281,637		N1328	1982	292,760		N1802	1980	34,059	
N199	1981	284,341		N1328	1983	248,201		N1802	1981	14,871	
N199	1982	180,867		N1328	1984	290,127		N1802	1982	9,737	
N199	1983	394,023		N1402	1980	17		N1802	1983	74,283	
N199	1984	394,496		N1595	1981	1,125	M	N1802	1984	48,187	
N570	1980	128,934		N1601	1980	354,286		N1870	1980	995	E
N570	1981	252,061		N1601	1981	390,152		N1870	1981	183	E
N570	1982	218,062		N1601	1982	436,023		N1870	1982	1,065	E
N570	1983	60,989		N1601	1983	398,470		N1870	1983	123	E
N570	1984	284,247		N1601	1984	336,186		N1870	1984	20,709	E
N650	1981	4,802		N1602	1980	252,922		N1871	1980	995	E
N650	1982	4,949		N1602	1981	289,918		N1871	1981	183	E
N650	1984	721		N1602	1982	270,662		N1871	1982	1,065	E
N651	1981	3,191		N1602	1983	556,381		N1871	1983	123	E
N651	1982	3,443		N1602	1984	430,402		N1871	1984	20,709	E
N651	1984	719		N1603	1980	493,124		N1872	1980	995	E
N687	1980	272,731		N1603	1981	596,620		N1872	1981	183	E
N687	1981	233,038		N1603	1982	483,741		N1872	1982	1,065	E
N687	1982	175,485		N1603	1983	368,551		N1872	1983	123	E
N687	1983	243,566		N1603	1984	629,295		N1872	1984	20,709	E
N687	1984	177,567		N1618	1980	220,896		N1873	1980	995	E
N693	1974	200		N1618	1981	251,265		N1873	1981	183	E
N693	1975	52,300		N1618	1982	217,712		N1873	1982	1,065	E
N693	1976	162,700		N1618	1983	401,071		N1873	1983	123	E
N693	1977	103,600		N1618	1984	371,701		N1873	1984	20,709	E
N693	1978	103,100		N1651	1980	58,944		N1874	1980	995	E
N693	1979	65,100		N1651	1981	40,819		N1874	1981	183	E
N693	1980	123,800		N1651	1982	12,456		N1874	1982	1,065	E
N693	1981	77,900		N1651	1983	107,308		N1874	1983	123	E
N693	1982	170,700		N1651	1984	22,151		N1874	1984	20,709	E
N693	1983	389,800		N1697	1980	174,947		N1875	1980	995	E
N693	1984	363,300		N1697	1981	84,797		N1875	1981	183	E
N700	1980	20		N1697	1982	178,110		N1875	1982	1,065	E
N700	1982	1,155		N1697	1983	135,594		N1875	1983	123	E
N700	1983	849		N1697	1984	116,497		N1875	1984	20,709	E
N700	1984	41,979		N1715	1980	94,350		N1876	1980	995	E
N835	1980	110,930		N1715	1981	98,350		N1876	1981	183	E
N835	1981	55,674		N1715	1982	85,590		N1876	1982	1,065	E
N1298	1980	64,704		N1715	1983	111,900		N1876	1983	123	E
N1298	1981	29,509		N1715	1984	116,620		N1876	1984	20,709	E
N1298	1982	90,180		N1716	1980	49,870		N1877	1980	949	E
N1298	1983	157,448		N1716	1981	60,470		N1877	1981	175	E
N1298	1984	269,800		N1716	1982	38,000		N1877	1982	1,017	E
N1328	1980	369,100		N1716	1983	63,940		N1877	1983	117	E
N1328	1981	286,875		N1716	1984	15,980		N1877	1984	19,768	E

Table 2B. Public-supply pumpage in Kings, Queens, and Nassau Counties, N.Y., 1898-1984--continued

Well number	Year	Pumpage	Remarks	Well number	Year	Pumpage	Remarks	Well number	Year	Pumpage	Remarks
N1937	1980	10,640		N2214	1983	159,775		N2597	1980	320,807	
N1937	1981	5,052		N2214	1984	129,538		N2597	1981	1,890	
N1937	1982	7,515		N2239	1980	335,698		N2597	1983	127,752	
N1937	1983	13,729		N2239	1981	319,186		N2597	1984	17,938	
N1937	1984	16,392		N2239	1982	185,259		N2602	1980	97,638	
N1958	1974	436,400		N2239	1983	178,370		N2602	1981	102,623	
N1958	1975	495,000		N2239	1984	245,136		N2602	1982	149,607	
N1958	1976	476,200		N2400	1980	359,244		N2602	1983	163,186	
N1958	1977	511,500		N2400	1981	196,589		N2602	1984	154,594	
N1958	1978	420,200		N2400	1982	120,422		N2613	1980	17,168	
N1958	1979	613,700		N2400	1983	125,199		N2613	1981	17,982	
N1958	1980	386,700		N2400	1984	367,339		N2613	1982	14,920	
N1958	1981	374,000		N2413	1974	268,500		N2613	1983	24,521	
N1958	1982	617,500		N2413	1975	398,800		N2613	1984	8,292	
N1958	1983	556,200		N2413	1976	401,400		N2748	1980	134,691	
N1958	1984	569,700		N2413	1977	367,500		N2748	1981	124,912	
N2028	1980	236,325		N2413	1978	220,500		N2748	1982	135,860	
N2028	1981	127,874		N2413	1979	266,200		N2748	1983	156,184	
N2028	1982	103,368		N2413	1980	131,400		N2748	1984	145,219	
N2028	1983	169,420		N2413	1981	122,900		N2920	1981	600	
N2028	1984	214,426		N2413	1982	116,800		N2920	1982	17,112	
N2030	1980	42,430		N2413	1983	73,000		N2920	1983	18,000	
N2030	1981	47,770		N2413	1984	14,400		N3185	1980	395,153	
N2030	1982	32,740		N2414	1974	76,700		N3185	1981	232,276	
N2030	1983	49,970		N2414	1975	67,700		N3185	1982	306,274	
N2030	1984	10,220		N2414	1976	74,400		N3185	1983	344,989	
N2052	1980	302,070		N2414	1977	128,300		N3185	1984	116,016	
N2052	1981	284,850		N2414	1978	196,800		N3427	1980	20,880	
N2052	1982	294,500		N2414	1979	30,900		N3427	1981	7,670	
N2052	1983	79,510		N2414	1980	78,300		N3443	1980	221,493	
N2052	1984	5,680		N2414	1981	47,600		N3443	1981	248,041	
N2115	1974	192,700		N2414	1982	96,500		N3443	1982	269,446	
N2115	1975	24,300		N2414	1983	92,200		N3443	1983	190,381	
N2115	1976	144,750		N2414	1984	5,700		N3443	1984	291,387	
N2115	1977	111,300		N2565	1981	700		N3456	1980	29,926	
N2115	1978	95,200		N2578	1980	687		N3456	1981	87,509	
N2115	1979	85,000		N2578	1981	307		N3456	1982	239,661	
N2115	1980	86,100		N2578	1982	273		N3456	1983	138,544	
N2115	1981	26,900		N2578	1983	67		N3456	1984	207,849	
N2115	1982	39,800		N2578	1984	94		N3457	1980	31,805	
N2115	1983	90,700		N2580	1980	35,450		N3457	1981	8,013	
N2115	1984	45,300		N2580	1981	8,382		N3457	1982	3,803	
N2214	1980	84,529		N2580	1982	2,976		N3457	1983	3,587	
N2214	1981	73,783		N2580	1983	16,464		N3457	1984	18,517	
N2214	1982	249,547		N2580	1984	4,504		N3465	1980	327,286	

Table 2B. Public-supply pumpage in Kings, Queens, and Nassau Counties, N.Y., 1898-1984--continued

Well number	Year	Pumpage	Remarks	Well number	Year	Pumpage	Remarks	Well number	Year	Pumpage	Remarks
N3465	1981	220,727		N3618	1983	176,010		N3733	1981	107,762	
N3465	1982	282,855		N3618	1984	172,528		N3733	1982	40,285	
N3465	1983	365,520		N3668	1980	95,559		N3733	1983	41,761	
N3465	1984	363,678		N3668	1981	379,200		N3733	1984	38,426	
N3474	1980	150,165		N3668	1982	370,165		N3745	1980	197,149	
N3474	1981	136,625		N3668	1983	365,624		N3745	1981	157,541	
N3474	1982	132,695		N3668	1984	430,983		N3745	1982	114,239	
N3474	1983	146,493		N3672	1980	181,337		N3745	1983	129,716	
N3474	1984	150,793		N3672	1981	45,181		N3745	1984	64,797	
N3475	1980	162,684		N3672	1982	350		N3781	1980	728,499	
N3475	1981	170,117		N3680	1980	160,150		N3781	1981	602,983	
N3475	1982	199,521		N3680	1981	20,740		N3781	1982	689,009	
N3475	1983	217,460		N3680	1982	4,130		N3781	1983	626,875	
N3475	1984	138,172		N3687	1980	95,772		N3781	1984	668,102	
N3520	1980	22,033		N3687	1981	310,992		N3832	1980	412	
N3520	1981	25,389		N3687	1982	226,520		N3832	1981	2,170	
N3520	1982	18,708		N3687	1983	139,153		N3832	1982	500	
N3520	1983	21,773		N3687	1984	253,627		N3832	1983	4,706	
N3520	1984	7,888		N3704	1980	305,319		N3832	1984	608	
N3523	1980	40,519		N3704	1981	264,856		N3878	1980	164,794	
N3523	1983	240,105		N3704	1982	128,902		N3878	1981	13,083	
N3523	1984	359,011		N3704	1983	291,957		N3878	1982	15,432	
N3540	1980	64,634		N3704	1984	229,189		N3878	1983	57,325	
N3540	1981	53,844		N3720	1974	184,700		N3878	1984	46,015	
N3540	1982	39,873		N3720	1975	366,800		N3881	1980	207,242	
N3540	1983	55,202		N3720	1976	217,300		N3881	1981	189,784	
N3540	1984	50,336		N3720	1977	127,100		N3881	1982	189,430	
N3603	1980	90,949		N3720	1978	94,300		N3881	1983	204,035	
N3603	1981	67,789		N3720	1979	73,100		N3881	1984	212,869	
N3603	1982	64,198		N3720	1980	156,000		N3893	1980	36,160	
N3603	1983	83,044		N3720	1981	159,000		N3893	1981	7,420	
N3603	1984	43,054		N3720	1982	159,700		N3893	1982	7,040	
N3604	1980	48,793		N3720	1983	357,100		N3893	1983	12,640	
N3604	1981	53,809		N3720	1984	329,500		N3894	1980	32,090	
N3604	1982	62,301		N3722	1980	51		N3894	1981	5,190	
N3604	1983	39,948		N3722	1981	166		N3894	1982	1,270	
N3604	1984	38,569		N3722	1982	60		N3895	1980	745,010	
N3605	1980	13,358		N3722	1983	183		N3895	1981	478,900	
N3605	1981	3,275		N3722	1984	235		N3895	1982	248,150	
N3605	1982	6,738		N3732	1980	69,591		N3895	1983	91,190	
N3605	1983	21,804		N3732	1981	89,624		N3895	1984	27,080	
N3605	1984	240		N3732	1982	105,374		N3905	1980	14,692	
N3618	1980	60,000		N3732	1983	113,510		N3905	1983	33,480	
N3618	1981	69,120		N3732	1984	135,939		N3934	1980	250,071	
N3618	1982	57,004		N3733	1980	38,729		N3934	1981	233,097	

Table 2B. Public-supply pumpage in Kings, Queens, and Nassau Counties, N.Y., 1898-1984--continued

Well number	Year	Pumpage	Remarks	Well number	Year	Pumpage	Remarks	Well number	Year	Pumpage	Remarks
N3934	1982	208,201		N4096	1981	209,427		N4298	1981	483,000	
N3934	1983	256,043		N4096	1982	145,434		N4298	1982	622,400	
N3934	1984	260,488		N4096	1983	162,317		N4298	1983	724,800	
N3935	1980	295,800		N4096	1984	39,835		N4298	1984	318,200	
N3935	1981	244,763		N4097	1980	134,957		N4327	1980	98,140	
N3935	1982	241,910		N4097	1981	131,167		N4327	1981	97,392	
N3935	1983	271,427		N4097	1982	119,497		N4327	1982	66,911	
N3935	1984	243,954		N4097	1983	170,795		N4327	1983	98,429	
N3937	1980	374,897		N4097	1984	119,693		N4327	1984	60,315	
N3937	1981	293,468		N4118	1980	303,593		N4388	1980	503,671	
N3937	1982	347,758		N4118	1981	288,406		N4388	1981	497,149	
N3937	1983	255,308		N4118	1982	258,007		N4388	1982	468,862	
N3937	1984	229,071		N4118	1983	316,731		N4388	1983	223,401	
N3953	1980	26,049		N4118	1984	262,394		N4388	1984	76,148	
N3953	1981	5,023		N4132	1980	293,574		N4389	1980	58,740	
N3953	1982	8,321		N4132	1981	281,594		N4389	1981	48,740	
N3953	1983	37,600		N4132	1982	211,248		N4389	1982	49,990	
N3953	1984	5,115		N4132	1983	298,278		N4389	1983	64,090	
N4043	1980	85,642		N4132	1984	208,773		N4389	1984	41,692	
N4043	1981	78,185		N4206	1980	103,347		N4390	1974	572,700	
N4043	1982	13,379		N4206	1981	113,044		N4390	1975	280,100	
N4043	1983	284,557		N4206	1982	122,166		N4390	1976	423,900	
N4043	1984	290,022		N4206	1983	126,644		N4390	1977	644,000	
N4077	1974	33,700		N4206	1984	106,039		N4390	1978	652,100	
N4077	1975	15,500		N4223	1980	206,560		N4390	1979	647,800	
N4077	1976	25,300		N4223	1981	84,650		N4390	1980	656,800	
N4077	1977	30,000		N4243	1980	50,767		N4390	1981	582,700	
N4077	1978	30,400		N4243	1983	22,509		N4390	1982	648,700	
N4077	1979	19,600		N4245	1980	466,717		N4390	1983	622,500	
N4077	1980	37,600		N4245	1981	247,151		N4390	1984	555,500	
N4077	1981	45,300		N4245	1982	272,201		N4393	1980	237,893	
N4077	1982	25,900		N4245	1983	335,501		N4393	1981	303,548	
N4077	1983	88,900		N4245	1984	245,521		N4393	1982	239,112	
N4077	1984	160,700		N4265	1980	19,663		N4393	1983	297,110	
N4082	1980	69,006		N4265	1981	18,752		N4393	1984	203,642	
N4082	1981	115,431		N4265	1982	28,921		N4400	1980	242,807	
N4082	1982	95,573		N4265	1983	39,184		N4400	1981	235,020	
N4082	1983	121,641		N4265	1984	18,509		N4400	1982	208,854	
N4082	1984	194,290		N4298	1974	840,800		N4400	1983	211,239	
N4095	1980	149,895		N4298	1975	603,100		N4400	1984	229,503	
N4095	1981	154,737		N4298	1976	553,000		N4405	1980	84,248	
N4095	1982	176,025		N4298	1977	716,100		N4405	1981	53,674	
N4095	1983	146,670		N4298	1978	721,300		N4405	1982	57,945	
N4095	1984	240,971		N4298	1979	653,100		N4405	1983	97,094	
N4096	1980	259,271		N4298	1980	604,000		N4405	1984	57,502	

Table 2B. Public-supply pumpage in Kings, Queens, and Nassau Counties, N.Y., 1898-1984--continued

Well number	Year	Pumpage	Remarks	Well number	Year	Pumpage	Remarks	Well number	Year	Pumpage	Remarks
N4411	1980	106,919		N4602	1982	68,381		N5145	1980	270,283	
N4411	1981	112,282		N4602	1983	204,106		N5145	1981	92,174	
N4411	1982	127,207		N4602	1984	241,483		N5145	1982	114,190	
N4411	1983	113,276		N4623	1980	136,956		N5145	1983	79,267	
N4411	1984	118,418		N4623	1981	60,287		N5145	1984	51,123	
N4425	1980	483,092		N4623	1982	97,563		N5147	1980	69,437	E
N4425	1981	391,789		N4623	1983	60,150		N5147	1981	72,607	E
N4425	1982	347,717		N4623	1984	8,366		N5147	1982	43,053	E
N4425	1983	248,404		N4756	1980	56,271		N5147	1983	27,507	E
N4425	1984	204,902		N4756	1981	42,181		N5147	1984	12,800	E
N4447	1980	49,671		N4756	1982	17,058		N5148	1980	14,006	
N4447	1981	12,055		N4756	1983	2,040		N5148	1981	5,176	
N4447	1982	8,171		N4757	1980	265,878		N5148	1982	20,738	
N4447	1983	30,120		N4757	1981	281,438		N5148	1983	26,130	
N4448	1980	414,371		N4757	1982	364,376		N5148	1984	6,015	
N4448	1981	254,307		N4757	1983	391,332		N5152	1980	279,436	
N4448	1982	409,615		N4757	1984	395,573		N5152	1981	81,073	
N4448	1983	387,171		N4758	1980	59,837		N5152	1982	150,628	
N4448	1984	433,105		N4758	1981	343,377		N5152	1983	213,211	
N4450	1980	147,878		N4758	1982	384,298		N5152	1984	67,236	
N4450	1981	139,325		N4758	1983	350,896		N5153	1980	41,156	
N4450	1982	132,273		N4758	1984	252,850		N5153	1981	19,933	
N4450	1983	300,663		N4759	1980	285,366		N5153	1982	43,105	
N4450	1984	181,742		N4759	1981	19,518		N5153	1983	42,660	
N4451	1980	121,895		N4859	1982	130		N5153	1984	12,395	
N4451	1981	72,894		N4859	1983	6,380		N5155	1974	20,200	
N4451	1982	129,958		N4859	1984	3,810		N5155	1975	20,700	
N4451	1983	241,314		N4860	1980	21,680		N5155	1976	33,400	
N4451	1984	197,979		N4860	1981	19,950		N5155	1977	39,500	
N4461	1980	77,830		N4860	1982	17,670		N5155	1978	48,100	
N4461	1981	16,840		N4860	1983	21,980		N5155	1979	30,900	
N4461	1982	17,850		N4860	1984	20,320		N5155	1980	52,800	
N4512	1974	837,500		N5007	1982	78,712		N5155	1981	21,300	
N4512	1975	568,100		N5007	1983	190,639		N5155	1982	12,400	
N4512	1976	608,500		N5007	1984	161,627		N5155	1983	25,100	
N4512	1977	720,300		N5099	1980	416,038		N5155	1984	5,630	
N4512	1978	654,200		N5099	1981	433,808		N5156	1974	763,500	
N4512	1979	452,800		N5099	1982	327,775		N5156	1975	735,000	
N4512	1980	555,700		N5099	1983	372,558		N5156	1976	788,300	
N4512	1981	656,800		N5099	1984	310,852		N5156	1977	739,500	
N4512	1982	654,600		N5121	1980	432,672		N5156	1978	733,200	
N4512	1983	629,100		N5121	1981	708,823		N5156	1979	797,200	
N4512	1984	213,000		N5121	1982	562,411		N5156	1980	680,800	
N4602	1980	57,728		N5121	1983	488,943		N5156	1981	438,400	
N4602	1981	52,922		N5121	1984	324,865		N5156	1982	530,600	

Table 2B. Public-supply pumpage in Kings, Queens, and Nassau Counties, N.Y., 1898-1984--continued

Well number	Year	Pumpage	Remarks	Well number	Year	Pumpage	Remarks	Well number	Year	Pumpage	Remarks
N5156	1983	402,300		N5260	1983	121,248		N5528	1981	131,267	
N5156	1984	689,400		N5260	1984	60,800		N5528	1982	156,506	
N5163	1980	224,197		N5302	1980	58,424		N5528	1983	130,574	
N5163	1981	229,942		N5302	1981	59,481		N5528	1984	127,977	
N5163	1982	208,662		N5302	1982	220,069		N5596	1980	178,269	
N5163	1983	249,026		N5302	1983	171,441		N5596	1981	212,238	
N5163	1984	212,390		N5302	1984	253,317		N5596	1982	224,696	
N5187	1980	256,307		N5303	1980	199,726		N5596	1983	219,869	
N5187	1981	246,689		N5303	1981	477,247		N5596	1984	273,846	
N5187	1982	200,822		N5308	1981	34,660		N5603	1980	332,866	
N5187	1983	320,990		N5308	1982	24,378		N5603	1981	203,060	
N5187	1984	474,914		N5308	1983	395,228		N5653	1980	322,328	
N5193	1980	130,067		N5308	1984	215,612		N5653	1981	377,307	
N5193	1981	18,163		N5318	1980	139,182		N5653	1982	479,968	
N5193	1982	68,801		N5318	1981	90,202		N5653	1983	245,588	
N5193	1983	140,695		N5318	1982	68,463		N5653	1984	328,240	
N5193	1984	165,449		N5318	1983	337,797		N5655	1980	97,793	E
N5194	1980	332,394		N5318	1984	139,971		N5655	1981	82,124	E
N5194	1981	416,424		N5319	1980	1,134		N5655	1982	35,956	E
N5194	1982	190,724		N5320	1980	104,308		N5655	1983	30,283	E
N5194	1983	166,409		N5320	1981	74,582		N5655	1984	23,431	E
N5194	1984	216,183		N5320	1982	39,876		N5656	1980	293,342	
N5195	1980	111,295		N5320	1983	291,156		N5656	1981	167,299	
N5195	1981	154,800		N5320	1984	388,986		N5656	1982	233,922	
N5195	1982	210,834		N5321	1980	114,634		N5656	1983	371,171	
N5195	1983	200,470		N5321	1981	153,778		N5656	1984	296,865	
N5195	1984	110,722		N5321	1982	79,279		N5695	1980	294,356	
N5201	1980	12,889		N5321	1983	154,002		N5695	1981	249,298	
N5201	1983	17,226		N5321	1984	124,490		N5695	1982	194,085	
N5209	1980	49,180		N5322	1980	106,280		N5695	1983	223,915	
N5209	1981	65,070		N5322	1981	122,526		N5695	1984	363,375	
N5209	1982	42,990		N5322	1982	34,421		N5696	1980	127,318	
N5209	1983	82,550		N5322	1983	61,812		N5696	1981	174,210	
N5209	1984	129,780		N5322	1984	36,549		N5696	1982	268,807	
N5227	1980	200,415		N5484	1980	245,910		N5696	1983	362,900	
N5227	1981	144,410		N5484	1981	283,493		N5696	1984	285,945	
N5227	1982	173,447		N5484	1982	185,870		N5703	1980	143,918	
N5227	1983	115,751		N5484	1983	64,068		N5703	1981	279,862	
N5227	1984	86,774		N5484	1984	131,961		N5703	1982	297,361	
N5259	1980	143,450		N5485	1980	66,387		N5703	1983	209,981	
N5259	1981	97,700		N5485	1981	65,323		N5703	1984	485,498	
N5259	1982	5,780		N5485	1982	158,786		N5710	1980	305,267	
N5260	1980	69,377		N5485	1983	52,739		N5710	1981	344,461	
N5260	1981	59,066		N5485	1984	76,562		N5710	1982	383,846	
N5260	1982	181,300		N5528	1980	197,817		N5710	1983	137,686	

Table 2B. Public-supply pumpage in Kings, Queens, and Nassau Counties, N.Y., 1898-1984--continued

Well number	Year	Pumpage	Remarks	Well number	Year	Pumpage	Remarks	Well number	Year	Pumpage	Remarks
N5710	1984	6,062		N6076	1984	206,794		N6150	1984	222,062	
N5762	1980	529,170		N6077	1980	120,497		N6190	1980	17,170	
N5762	1981	277,544		N6077	1981	71,303		N6190	1981	2,336	
N5762	1982	210,059		N6077	1982	169,450		N6190	1982	931	
N5762	1983	293,511		N6077	1983	141,121		N6190	1983	766	
N5762	1984	210,389		N6077	1984	197,722		N6191	1980	4,778	
N5767	1980	424,060		N6078	1980	31,465		N6192	1980	128,720	
N5767	1981	534,750		N6078	1981	21,311		N6192	1981	24,197	
N5767	1982	546,500		N6078	1982	14,501		N6192	1982	50,543	
N5767	1983	332,090		N6078	1983	29,810		N6192	1983	44,013	
N5767	1984	292,030		N6078	1984	3,221		N6192	1984	28,502	
N5792	1980	382,925		N6087	1980	21,370		N6315	1980	106,617	
N5792	1981	377,088		N6087	1981	22,660		N6315	1981	114,905	
N5792	1982	397,839		N6087	1982	1,050		N6315	1982	133,449	
N5792	1983	399,477		N6087	1983	22,410		N6315	1983	135,892	
N5792	1984	297,396		N6087	1984	21,610		N6315	1984	125,447	
N5852	1980	298,241		N6092	1980	231,149		N6442	1980	81,143	
N5852	1981	355,240		N6092	1981	233,237		N6442	1981	249,761	
N5852	1982	536,217		N6092	1982	280,453		N6442	1982	90,401	
N5852	1983	474,631		N6092	1983	316,710		N6442	1983	82,464	
N5852	1984	421,898		N6092	1984	315,141		N6442	1984	49,414	
N5876	1980	50,570		N6093	1980	224,329		N6443	1980	38,717	
N5876	1981	31,720		N6093	1981	143,681		N6443	1981	39,509	
N5876	1982	56,280		N6093	1982	168,116		N6443	1982	23,613	
N5876	1983	103,930		N6093	1983	151,280		N6443	1983	38,345	
N5876	1984	93,800		N6093	1984	105,800		N6443	1984	9,629	
N5884	1980	293,761		N6146	1980	71,223		N6450	1980	353,994	
N5884	1981	241,117		N6146	1981	54,245		N6450	1981	401,446	
N5884	1982	235,054		N6146	1982	49,099		N6450	1982	90,440	
N5884	1983	308,329		N6146	1983	54,295		N6450	1984	41,287	
N5884	1984	229,912		N6146	1984	109,506		N6580	1980	154,181	
N5947	1980	302,731		N6148	1980	214,940		N6580	1981	125,574	
N5947	1981	217,096		N6148	1981	135,040		N6580	1982	153,743	
N5947	1982	243,100		N6148	1982	233,613		N6580	1983	148,009	
N5947	1983	187,525		N6148	1983	232,953		N6580	1984	91,651	
N5947	1984	223,478		N6148	1984	204,015		N6644	1980	172,877	
N6045	1980	82,680		N6149	1980	69,437	E	N6644	1981	171,249	
N6045	1981	69,473		N6149	1981	72,607	E	N6644	1982	170,681	
N6045	1982	36,028		N6149	1982	43,053	E	N6644	1983	175,192	
N6045	1983	65,964		N6149	1983	27,507	E	N6644	1984	153,272	
N6045	1984	66,128		N6149	1984	12,801	E	N6651	1980	214,734	
N6076	1980	107,230		N6150	1980	238,537		N6651	1981	382,260	
N6076	1981	98,803		N6150	1981	211,137		N6651	1982	491,299	
N6076	1982	121,112		N6150	1982	154,645		N6651	1983	372,184	
N6076	1983	160,772		N6150	1983	196,884		N6651	1984	214,832	

Table 2B. Public-supply pumpage in Kings, Queens, and Nassau Counties, N.Y., 1898-1984--continued

Well number	Year	Pumpage	Remarks	Well number	Year	Pumpage	Remarks	Well number	Year	Pumpage	Remarks
N6744	1974	31,800		N6893	1983	418,875		N7117	1983	346,497	
N6744	1975	23,000		N6893	1984	463,594		N7117	1984	398,179	
N6744	1976	47,000		N6915	1980	239,982		N7126	1980	125,122	
N6744	1977	59,100		N6915	1981	275,818		N7126	1981	191,120	
N6744	1978	40,500		N6915	1982	197,011		N7126	1982	223,109	
N6744	1979	30,300		N6915	1983	193,816		N7126	1983	264,128	
N6744	1980	45,100		N6915	1984	133,097		N7126	1984	256,507	
N6744	1981	68,000		N6916	1980	241,955		N7157	1980	82,950	
N6744	1982	18,800		N6916	1981	172,194		N7157	1981	73,920	
N6744	1983	57,300		N6916	1982	105,335		N7157	1982	69,780	
N6744	1984	42,300		N6916	1983	124,912		N7157	1983	36,620	
N6745	1974	513,600		N6916	1984	121,424		N7157	1984	79,746	
N6745	1975	552,000		N6945	1980	362,300		N7298	1980	375,321	
N6745	1976	602,200		N6945	1981	283,289		N7298	1981	458,602	
N6745	1977	598,100		N6945	1982	270,268		N7298	1982	469,634	
N6745	1978	495,800		N6945	1983	31,812		N7298	1983	408,330	
N6745	1979	660,800		N6945	1984	366,924		N7298	1984	507,433	
N6745	1980	654,700		N6956	1980	237,661		N7353	1980	210,836	
N6745	1981	472,400		N6956	1981	252,478		N7353	1981	187,137	
N6745	1982	184,600		N6956	1982	156,049		N7353	1982	169,027	
N6745	1983	200,000		N6956	1983	267,437		N7353	1983	180,975	
N6745	1984	321,600		N6956	1984	238,771		N7353	1984	124,035	
N6817	1980	92,831		N7030	1980	196,558		N7377	1980	209,215	
N6817	1981	24,408		N7030	1981	248,027		N7377	1981	202,388	
N6817	1982	126,667		N7030	1982	260,303		N7377	1982	344,532	
N6817	1983	161,763		N7030	1983	369,401		N7377	1983	180,850	
N6817	1984	140,384		N7030	1984	466,549		N7377	1984	117,630	
N6819	1980	97,793	E	N7058	1980	221,893		N7407	1980	179,930	
N6819	1981	82,124	E	N7058	1981	237,143		N7407	1981	90,540	
N6819	1982	35,956	E	N7058	1982	226,217		N7407	1982	61,110	
N6819	1983	30,283	E	N7058	1983	287,917		N7407	1983	78,100	
N6819	1984	23,431	E	N7058	1984	328,544		N7407	1984	88,890	
N6866	1980	263,898		N7076	1980	295,700		N7414	1980	213,970	
N6866	1981	441,486		N7076	1981	134,064		N7414	1981	188,440	
N6866	1982	321,465		N7076	1982	289,610		N7414	1982	207,320	
N6866	1983	560,664		N7076	1983	193,034		N7414	1983	292,520	
N6866	1984	192,071		N7076	1984	263,990		N7414	1984	458,870	
N6867	1980	584,788		N7104	1980	407,365		N7421	1980	287,509	
N6867	1981	313,974		N7104	1981	522,425		N7421	1981	319,101	
N6867	1982	337,037		N7104	1982	327,546		N7421	1982	277,113	
N6867	1983	746,085		N7104	1983	379,834		N7421	1983	226,647	
N6867	1984	536,470		N7104	1984	174,157		N7421	1984	199,757	
N6893	1980	490,606		N7117	1980	389,005		N7445	1974	2,300	
N6893	1981	439,019		N7117	1981	293,174		N7445	1975	390,600	
N6893	1982	341,088		N7117	1982	299,341		N7445	1976	314,800	

Table 2B. Public-supply pumpage in Kings, Queens, and Nassau Counties, N.Y., 1898-1984--continued

Well number	Year	Pumpage	Remarks	Well number	Year	Pumpage	Remarks	Well number	Year	Pumpage	Remarks
N7445	1977	111,200		N7521	1981	164,512		N7562	1981	346,935	
N7445	1978	9,100		N7521	1982	119,202		N7562	1982	198,798	
N7445	1979	7,800		N7521	1983	95,934		N7562	1983	152,587	
N7445	1980	97,700		N7521	1984	38,220		N7562	1984	39,352	
N7445	1981	102,200		N7522	1980	460,152		N7593	1980	496,476	
N7445	1982	27,400		N7522	1981	445,803		N7593	1981	442,613	
N7445	1983	121,500		N7522	1982	479,917		N7593	1982	417,336	
N7445	1984	96,100		N7522	1983	486,760		N7593	1983	221,798	
N7446	1980	131,892		N7522	1984	494,041		N7593	1984	378,102	
N7446	1981	135,888		N7523	1980	232,498		N7620	1980	21,430	
N7446	1982	155,759		N7523	1981	159,565		N7620	1981	22,133	
N7446	1983	134,624		N7523	1982	211,117		N7620	1982	29,569	
N7446	1984	163,937		N7523	1983	220,973		N7620	1983	32,731	
N7482	1974	469,400		N7523	1984	166,881		N7620	1984	35,644	
N7482	1975	608,600		N7526	1980	100,393		N7643	1980	435	
N7482	1976	591,900		N7526	1981	66,314		N7643	1981	340	
N7482	1977	533,400		N7526	1982	74,268		N7643	1982	1,656	
N7482	1978	408,800		N7526	1983	87,169		N7643	1983	4,013	
N7482	1979	535,700		N7526	1984	72,491		N7649	1974	109,200	
N7482	1980	617,500		N7548	1980	582,061		N7649	1975	41,100	
N7482	1981	252,400		N7548	1981	576,956		N7649	1976	170,400	
N7482	1982	262,700		N7548	1982	573,829		N7649	1977	170,500	
N7482	1983	559,400		N7548	1983	504,554		N7649	1978	301,300	
N7482	1984	726,700		N7548	1984	539,204		N7649	1979	14,100	
N7512	1980	242,659		N7549	1980	169,887		N7649	1980	228,300	
N7512	1981	299,227		N7549	1981	148,857		N7649	1981	274,500	
N7512	1982	435,814		N7549	1982	156,193		N7649	1982	196,400	
N7512	1983	324,259		N7549	1983	184,982		N7649	1983	34,600	
N7512	1984	432,828		N7549	1984	134,406		N7649	1984	100	
N7513	1980	139,410		N7551	1980	204,560		N7650	1974	419,300	
N7513	1981	153,413		N7551	1981	221,040		N7650	1975	407,300	
N7513	1982	128,133		N7551	1982	414,410		N7650	1976	505,800	
N7513	1983	157,106		N7551	1983	473,050		N7650	1977	449,600	
N7513	1984	173,888		N7551	1984	437,860		N7650	1978	541,000	
N7515	1980	200,347		N7552	1980	421,280		N7650	1979	416,000	
N7515	1981	121,884		N7552	1981	443,710		N7650	1980	527,700	
N7515	1982	272,816		N7552	1982	425,900		N7650	1981	552,700	
N7515	1983	302,979		N7552	1983	427,380		N7650	1982	427,000	
N7515	1984	251,646		N7552	1984	366,910		N7650	1983	508,800	
N7516	1980	71,650		N7561	1980	336,758		N7650	1984	316,100	
N7516	1981	127,813		N7561	1981	126,432		N7651	1980	413,509	
N7516	1982	71,866		N7561	1982	138,298		N7651	1981	483,808	
N7516	1983	65,054		N7561	1983	114,008		N7651	1982	510,588	
N7516	1984	179,819		N7561	1984	65,860		N7651	1983	453,749	
N7521	1980	91,705		N7562	1980	514,164		N7561	1984	360,189	

Table 2B. Public-supply pumpage in Kings, Queens, and Nassau Counties, N.Y., 1898-1984--continued

Well number	Year	Pumpage	Remarks	Well number	Year	Pumpage	Remarks	Well number	Year	Pumpage	Remarks
N7665	1980	198,635		N7755	1984	3,686	E	N7797	1982	267,779	
N7665	1981	341,494		N7756	1981	372	E	N7797	1983	225,832	
N7665	1982	239,111		N7756	1982	251	E	N7797	1984	106,217	
N7665	1983	70,788		N7756	1983	483	E	N7831	1980	718,212	
N7665	1984	341,586		N7756	1984	3,686	E	N7831	1981	614,407	
N7720	1980	107,891		N7757	1981	372	E	N7831	1982	737,080	
N7720	1981	48,883		N7757	1982	251	E	N7831	1983	702,894	
N7720	1982	66,306		N7757	1983	483	E	N7831	1984	591,771	
N7720	1983	89,200		N7757	1984	3,686	E	N7852	1980	179,063	
N7720	1984	98,921		N7758	1981	372	E	N7852	1981	178,057	
N7747	1981	372	E	N7758	1982	251	E	N7852	1982	201,538	
N7747	1982	251	E	N7758	1983	483	E	N7852	1983	213,747	
N7747	1983	483	E	N7758	1984	3,686	E	N7852	1984	203,428	
N7747	1984	3,686	E	N7772	1980	202,367		N7855	1980	485,316	
N7748	1981	372	E	N7772	1981	132,544		N7855	1981	378,475	
N7748	1982	251	E	N7772	1982	96,895		N7855	1982	360,031	
N7748	1983	483	E	N7772	1983	125,777		N7855	1983	471,381	
N7748	1984	3,686	E	N7772	1984	136,261		N7855	1984	370,634	
N7749	1981	372	E	N7773	1980	84,457		N7857	1980	79,297	
N7749	1982	251	E	N7773	1981	62,521		N7857	1981	53,766	
N7749	1983	483	E	N7773	1982	47,016		N7857	1982	38,821	
N7749	1984	3,686	E	N7773	1983	101,512		N7857	1983	62,670	
N7750	1981	372	E	N7773	1984	68,859		N7857	1984	125,116	
N7750	1982	251	E	N7776	1980	274,159		N7873	1980	177,507	
N7750	1983	483	E	N7776	1981	234,529		N7873	1981	92,304	
N7750	1984	3,686	E	N7776	1982	217,900		N7873	1982	84,961	
N7751	1981	372	E	N7776	1983	113,407		N7873	1983	132,537	
N7751	1982	251	E	N7776	1984	64,013		N7873	1984	77,249	
N7751	1983	483	E	N7781	1980	243,316		N7892	1980	116,681	
N7751	1984	3,686	E	N7781	1981	225,897		N7892	1981	122,097	
N7752	1981	372	E	N7781	1982	258,617		N7892	1982	168,422	
N7752	1982	251	E	N7781	1983	229,641		N7892	1983	59,889	
N7752	1983	483	E	N7781	1984	157,414		N7892	1984	19,051	
N7752	1984	3,686	E	N7785	1980	154,637		N7957	1980	403,129	
N7753	1981	372	E	N7785	1981	144,701		N7957	1981	482,459	
N7753	1982	251	E	N7785	1982	132,190		N7957	1982	199,025	
N7753	1983	483	E	N7785	1983	117,060		N7957	1983	262,335	
N7753	1984	3,686	E	N7785	1984	124,048		N7957	1984	227,974	
N7754	1981	372	E	N7796	1980	218,166		N7961	1981	372	E
N7754	1982	251	E	N7796	1981	242,116		N7961	1982	251	E
N7754	1983	483	E	N7796	1982	184,527		N7961	1983	483	E
N7754	1984	3,686	E	N7796	1983	271,317		N7961	1984	3,686	E
N7755	1981	372	E	N7796	1984	239,379		N7962	1981	372	E
N7755	1982	251	E	N7797	1980	237,213		N7962	1982	251	E
N7755	1983	483	E	N7797	1981	421,818		N7962	1983	483	E

Table 2B. Public-supply pumpage in Kings, Queens, and Nassau Counties, N.Y., 1898-1984--continued

Well number	Year	Pumpage	Remarks	Well number	Year	Pumpage	Remarks	Well number	Year	Pumpage	Remarks
N7962	1984	3,686	E	N8031	1984	793,240		N8233	1981	27,360	
N7963	1981	372	E	N8043	1980	338,461		N8233	1982	83,100	
N7963	1982	251	E	N8043	1981	225,520		N8233	1983	237,473	
N7963	1983	483	E	N8043	1982	207,812		N8233	1984	154,797	
N7963	1984	3,686	E	N8043	1983	480,059		N8248	1980	319,330	
N7964	1981	372	E	N8043	1984	202,452		N8248	1981	313,460	
N7964	1982	251	E	N8054	1980	256,557		N8248	1982	234,290	
N7964	1983	483	E	N8054	1981	244,633		N8248	1983	204,690	
N7964	1984	3,686	E	N8054	1982	314,675		N8248	1984	167,660	
N7965	1981	372	E	N8054	1983	251,129		N8249	1980	46,035	
N7965	1982	251	E	N8054	1984	236,733		N8249	1981	67,294	
N7965	1983	483	E	N8183	1980	91,763		N8249	1982	4,134	
N7965	1984	3,686	E	N8183	1981	31,775		N8250	1980	43,878	
N7966	1981	372	E	N8183	1982	29,171		N8250	1981	20,647	
N7966	1982	251	E	N8183	1983	25,300		N8250	1982	21,293	
N7966	1983	483	E	N8183	1984	25,488		N8250	1983	44,697	
N7966	1984	3,686	E	N8195	1980	466,675		N8250	1984	24,221	
N7968	1981	372	E	N8195	1981	538,423		N8251	1980	497,211	
N7968	1982	251	E	N8195	1982	479,628		N8251	1981	151,106	
N7968	1983	483	E	N8195	1983	555,282		N8251	1982	186,976	
N7968	1984	3,686	E	N8195	1984	502,206		N8251	1983	389,004	
N8004	1980	79,835		N8196	1980	479,090		N8251	1984	401,644	
N8004	1981	50,960		N8196	1981	439,951		N8253	1980	20,290	
N8004	1982	45,445		N8196	1982	433,289		N8253	1981	61,080	
N8004	1983	204,105		N8196	1983	488,109		N8253	1982	84,430	
N8004	1984	76,955		N8196	1984	531,557		N8253	1983	148,140	
N8007	1980	98,360		N8214	1980	398,795		N8253	1984	64,860	
N8007	1981	72,853		N8214	1981	245,583		N8264	1980	443,445	
N8007	1982	90,718		N8214	1982	308,827		N8264	1981	210,358	
N8007	1983	120,772		N8214	1983	82,067		N8264	1982	117,583	
N8007	1984	142,120		N8214	1984	231,682		N8264	1983	48,525	
N8010	1980	28,755		N8216	1980	253,283		N8264	1984	86,265	
N8010	1981	72,351		N8216	1981	265,823		N8279	1980	214,719	
N8010	1982	98,476		N8216	1982	136,634		N8279	1981	80,948	
N8010	1983	172,654		N8216	1983	289,003		N8279	1982	139,958	
N8010	1984	42,508		N8216	1984	282,459		N8279	1983	214,130	
N8011	1980	157,684		N8217	1980	221,015		N8279	1984	188,884	
N8011	1981	10,740		N8217	1981	194,664		N8313	1980	91,720	
N8011	1982	175,960		N8217	1982	90,753		N8313	1981	92,690	
N8011	1983	94,403		N8217	1983	21,641		N8313	1982	97,530	
N8011	1984	284,527		N8218	1980	183,105		N8313	1983	134,240	
N8031	1980	533,350		N8218	1981	128,268		N8313	1984	95,790	
N8031	1981	729,650		N8218	1982	171,615		N8321	1980	197,020	
N8031	1982	679,380		N8218	1983	158,762		N8321	1981	138,839	
N8031	1983	721,370		N8218	1984	127,994		N8321	1982	190,264	

Table 2B. Public-supply pumpage in Kings, Queens, and Nassau Counties, N.Y., 1898-1984--continued

Well number	Year	Pumpage	Remarks	Well number	Year	Pumpage	Remarks	Well number	Year	Pumpage	Remarks
N8321	1983	147,780		N8475	1983	159,532		N8603	1983	762,970	
N8321	1984	138,430		N8475	1984	248,565		N8603	1984	667,600	
N8326	1983	405		N8480	1980	729,720		N8657	1980	261,051	
N8339	1980	260,625		N8480	1981	798,010		N8657	1981	229,891	
N8339	1981	223,603		N8480	1982	627,140		N8657	1982	161,279	
N8339	1982	198,779		N8480	1983	345,430		N8657	1983	244,447	
N8339	1983	257,386		N8480	1984	74,230		N8657	1984	344,324	
N8339	1984	309,050		N8497	1980	219,771		N8658	1980	159,968	
N8342	1980	10,970		N8497	1981	273,431		N8658	1981	132,492	
N8342	1981	13,710		N8497	1982	261,642		N8658	1982	149,786	
N8342	1982	23,763		N8497	1983	291,085		N8658	1983	178,728	
N8342	1983	136,631		N8497	1984	229,838		N8658	1984	136,312	
N8342	1984	242,047		N8525	1980	52,969		N8664	1980	324,976	
N8354	1980	162,844		N8525	1981	21,992		N8664	1981	477,436	
N8354	1981	153,228		N8525	1982	3,635		N8664	1982	373,130	
N8354	1982	168,548		N8525	1983	26,522		N8664	1983	143,192	
N8354	1983	159,494		N8525	1984	30,036		N8664	1984	195,019	
N8354	1984	156,337		N8526	1980	107,285		N8665	1980	118,595	
N8355	1980	91,285		N8526	1981	136,047		N8665	1981	8,745	
N8355	1981	35,874		N8526	1982	47,801		N8665	1982	17,278	
N8355	1982	55,359		N8526	1983	74,285		N8665	1983	209,070	
N8355	1983	49,951		N8526	1984	15,699		N8665	1984	4,326	
N8355	1984	72,553		N8557	1980	133,725		N8713	1980	129,374	
N8409	1981	17,195		N8557	1981	208,638		N8713	1981	116,936	
N8409	1982	26,179		N8557	1982	381,304		N8713	1982	114,266	
N8409	1983	79,709		N8557	1983	72,990		N8713	1983	76,027	
N8409	1984	20,758		N8557	1984	123,940		N8713	1984	184,603	
N8420	1980	147,097		N8558	1980	240,052		N8767	1980	394,408	
N8420	1981	87,325		N8558	1981	295,275		N8767	1981	462,023	
N8420	1982	83,964		N8558	1982	202,006		N8767	1982	658,436	
N8420	1983	82,163		N8558	1983	297,566		N8767	1983	284,831	
N8420	1984	40,068		N8558	1984	227,272		N8767	1984	372,152	
N8457	1980	172,251		N8576	1980	460,805		N8768	1980	372,438	
N8457	1981	175,025		N8576	1981	477,674		N8768	1981	275,030	
N8457	1982	147,296		N8576	1982	395,305		N8768	1982	246,556	
N8457	1983	162,481		N8576	1983	337,727		N8768	1983	131,124	
N8457	1984	179,226		N8576	1984	341,677		N8768	1984	127,025	
N8474	1980	198,610		N8595	1980	100,369		N8776	1980	274,445	
N8474	1981	207,767		N8595	1981	156,769		N8776	1981	292,586	
N8474	1982	273,607		N8595	1982	169,395		N8776	1982	296,564	
N8474	1983	183,416		N8595	1983	218,638		N8776	1983	318,986	
N8474	1984	218,243		N8595	1984	136,551		N8776	1984	315,615	
N8475	1980	290,698		N8603	1980	849,920		N8778	1980	441,230	
N8475	1981	225,774		N8603	1981	778,160		N8778	1981	228,447	
N8475	1982	299,475		N8603	1982	811,960		N8778	1982	214,866	

Table 2B. Public-supply pumpage in Kings, Queens, and Nassau Counties, N.Y., 1898-1984--continued

Well number	Year	Pumpage	Remarks	Well number	Year	Pumpage	Remarks	Well number	Year	Pumpage	Remarks
N8778	1983	154,499		N9151	1980	330,000	E	N9452	1983	27,718	
N8778	1984	233,541		N9151	1981	245,300	E	N9452	1984	56,804	
N8779	1980	149,492		N9151	1982	288,300	E	N9463	1981	447,744	
N8779	1981	114,617		N9151	1983	285,850	E	N9463	1982	675,911	
N8779	1982	169,614		N9151	1984	240,450	E	N9463	1983	610,393	
N8779	1983	172,555		N9173	1980	542,251		N9463	1984	526,920	
N8779	1984	156,238		N9173	1981	172,140		N9488	1981	165,112	
N8818	1980	179,057		N9173	1982	521,867		N9488	1982	274,534	
N8818	1981	255,376		N9173	1983	186,556		N9488	1983	452,388	
N8818	1982	245,193		N9173	1984	94,878		N9488	1984	624,775	
N8818	1983	243,593		N9180	1980	408,397		N9514	1980	275,380	
N8818	1984	217,349		N9180	1981	398,093		N9514	1981	602,580	
N8837	1980	391,030		N9180	1982	276,669		N9514	1982	913,570	
N8837	1981	143,100		N9180	1983	437,751		N9514	1983	859,340	
N8837	1982	80,390		N9180	1984	573,888		N9514	1984	453,360	
N8837	1983	44,750		N9210	1980	371,065		N9520	1981	72,517	
N8837	1984	32,060		N9210	1981	262,314		N9520	1982	99,400	
N8941	1980	121,747		N9210	1982	286,719		N9520	1983	115,375	
N8941	1981	95,188		N9210	1983	265,219		N9520	1984	88,462	
N8941	1983	212,294		N9210	1984	267,907		N9521	1981	191,868	
N8941	1984	403,151		N9211	1980	373,754		N9521	1982	308,595	
N8956	1980	162,695		N9211	1981	344,252		N9521	1983	224,388	
N8956	1981	134,325		N9211	1982	290,073		N9521	1984	191,570	
N8956	1982	261,947		N9211	1983	269,881		N9591	1983	406,771	
N8956	1983	379,231		N9211	1984	271,473		N9591	1984	100,898	
N8956	1984	208,319		N9212	1980	251,105		N9613	1981	95,482	
N8957	1980	388,433		N9212	1981	365,726		N9613	1982	145,214	
N8957	1981	126,671		N9212	1982	427,038		N9613	1983	161,494	
N8957	1982	305,943		N9212	1983	402,920		N9613	1984	94,002	
N8957	1983	266,950		N9212	1984	323,296		N9768	1982	281,980	
N8957	1984	302,077		N9308	1981	68,675		N9768	1983	386,874	
N8976	1980	439,970		N9308	1982	15,643		N9768	1984	319,055	
N8976	1981	477,710		N9308	1983	99,359		N9792	1982	134,116	
N8976	1982	689,110		N9308	1984	45,964		N9792	1983	170,542	
N8976	1983	362,720		N9334	1980	280,757		N9792	1984	171,026	
N8976	1984	323,170		N9334	1981	570,594		N9809	1984	154,970	
N8979	1980	91,703		N9334	1982	511,041		N9846	1983	153,548	
N8979	1981	27,037		N9334	1983	622,480		N9846	1984	366,438	
N8979	1982	38,999		N9334	1984	682,467		N9878	1982	192,490	
N8979	1983	86,018		N9338	1980	259,440		N9878	1983	493,280	
N8979	1984	41,999		N9338	1981	125,340		N9878	1984	565,000	
N9151	1974	403,550	E	N9338	1982	325,230		N9910	1983	428,360	
N9151	1975	320,850	E	N9338	1983	690,920		N9910	1984	553,920	
N9151	1976	257,600	E	N9338	1984	1,000,990		N9976	1983	129,950	
N9151	1977	224,700	E	N9446	1983	6,418		N9976	1984	203,870	
N9151	1978	373,400	E	N9452	1981	25,781		N10033	1984	37,310	
N9151	1979	338,300	E	N9452	1982	50,684		N10144	1984	2,201	

Table 3. Annual public-supply pumpage totals in Kings, Queens, and Nassau Counties, N.Y., 1920-95, by aquifer and county

[Values are in thousands of gallons. Numbers in parentheses () indicate the number of wells]

Year	Aquifer	County			Year	Aquifer	County		
		Kings	Queens	Nassau			Kings	Queens	Nassau
1920	Upper glacial	4,878,969 (2)	3,314,216 (4)	1,866,590 (15)	1925	Upper glacial	6,707,146 (10)	6,397,192 (15)	4,135,716 (21)
	Jameco	0	0	0		Jameco	0	230,700 (1)	276,860 (1)
	Magothy	0	0	199,443 (3)		Magothy	0	0	582,759 (6)
	Port Washington	0	0	13,781 (1)		Port Washington	0	0	58,300 (2)
	Lloyd	0	0	250,200 (2)		Lloyd	0	0	534,359 (3)
	Unknown	0	0	0		Unknown	0	0	0
1921	Upper glacial	5,124,543 (3)	3,219,039 (5)	2,034,567 (17)	1926	Upper glacial	7,330,786 (12)	6,715,946 (16)	6,298,628 (26)
	Jameco	0	0	0		Jameco	0	439,014 (4)	348,429 (1)
	Magothy	0	0	227,752 (4)		Magothy	0	6,393 (1)	1,099,667 (8)
	Port Washington	0	0	14,819 (1)		Port Washington	0	0	150,212 (2)
	Lloyd	0	0	307,247 (2)		Lloyd	0	0	718,515 (3)
	Unknown	0	0	0		Unknown	0	0	0
1922	Upper glacial	5,510,188 (4)	3,593,202 (6)	2,233,861 (17)	1927	Upper glacial	7,690,444 (12)	6,756,832 (16)	4,294,900 (21)
	Jameco	0	0	0		Jameco	271,386 (1)	689,779 (4)	261,793 (1)
	Magothy	0	0	235,497 (4)		Magothy	0	0	1,662,820 (9)
	Port Washington	0	0	16,246 (1)		Port Washington	0	0	232,527 (3)
	Lloyd	0	0	373,889 (2)		Lloyd	0	0	906,543 (4)
	Unknown	0	0	0		Unknown	0	0	0
1923	Upper glacial	5,735,719 (5)	4,534,504 (7)	4,640,090 (20)	1928	Upper glacial	7,615,766 (12)	6,726,007 (16)	4,261,041 (23)
	Jameco	0	0	105,470 (1)		Jameco	303,167 (1)	1,032,946 (4)	205,853 (1)
	Magothy	0	0	518,374 (6)		Magothy	0	0	2,427,160 (12)
	Port Washington	0	0	17,681 (1)		Port Washington	0	0	228,148 (4)
	Lloyd	0	0	448,513 (3)		Lloyd	0	132,512 (1)	820,383 (4)
	Unknown	0	0	0		Unknown	0	0	0
1924	Upper glacial	6,174,961 (7)	5,843,126 (11)	4,799,928 (22)	1929	Upper glacial	7,745,496 (12)	7,071,165 (15)	5,215,468 (22)
	Jameco	0	0	158,639 (1)		Jameco	986,891 (3)	969,368 (4)	263,676 (1)
	Magothy	0	0	567,342 (6)		Magothy	0	114,328 (2)	3,912,837 (14)
	Port Washington	0	0	18,846 (1)		Port Washington	0	0	359,825 (4)
	Lloyd	0	0	492,495 (2)		Lloyd	190,936 (1)	439,369 (2)	1,374,022 (7)
	Unknown	0	0	0		Unknown	0	0	0

Table 3. Annual public-supply pumpage totals in Kings, Queens, and Nassau Counties, N.Y., 1920-95, by aquifer and county—continued

Year	Aquifer	County			Year	Aquifer	County		
		Kings	Queens	Nassau			Kings	Queens	Nassau
1930	Upper glacial	5,922,596 (12)	7,970,252 (17)	8,123,586 (28)	1935	Upper glacial	4,913,316 (15)	7,823,786 (24)	3,198,607 (28)
	Jameco	2,397,804 (5)	829,498 (4)	495,334 (1)		Jameco	4,525,392 (9)	709,019 (4)	107,354 (1)
	Magothy	0	299,907 (3)	4,874,865 (17)		Magothy	0	1,183,697 (6)	2,521,062 (32)
	Port Washington	0	0	402,467 (4)		Port Washington	0	0	371,832 (5)
	Lloyd	932,728 (1)	641,036 (3)	1,113,139 (8)		Lloyd	118,349 (1)	828,497 (3)	1,404,067 (12)
	Unknown	0	0	0		Unknown	0	0	0
1931	Upper glacial	3,794,702 (11)	7,418,128 (18)	9,879,922 (29)	1936	Upper glacial	5,172,784 (15)	10,664,769 (33)	2,714,487 (25)
	Jameco	3,991,365 (8)	694,480 (4)	566,903 (1)		Jameco	4,746,996 (9)	1,041,575 (7)	58,545 (1)
	Magothy	0	918,782 (5)	5,048,909 (19)		Magothy	0	986,233 (8)	2,792,069 (32)
	Port Washington	0	0	395,210 (5)		Port Washington	0	0	376,892 (5)
	Lloyd	1,104,541 (1)	686,524 (2)	1,260,452 (8)		Lloyd	118,729 (1)	1,293,515 (3)	1,433,536 (13)
	Unknown	0	0	0		Unknown	0	0	0
1932	Upper glacial	3,231,502 (12)	8,091,496 (19)	5,668,400 (28)	1937	Upper glacial	5,168,493 (15)	7,705,023 (25)	3,283,112 (29)
	Jameco	5,390,011 (8)	573,268 (4)	638,333 (1)		Jameco	4,894,689 (9)	705,384 (4)	1,820,147 (2)
	Magothy	0	1,279,052 (5)	5,095,685 (21)		Magothy	0	975,139 (7)	5,685,327 (40)
	Port Washington	0	0	436,097 (5)		Port Washington	0	0	444,279 (5)
	Lloyd	567,014 (1)	601,626 (2)	1,218,434 (9)		Lloyd	138,218 (1)	1,567,481 (4)	1,536,279 (14)
	Unknown	0	0	0		Unknown	0	0	0
1933	Upper glacial	3,445,832 (12)	8,187,145 (20)	4,080,147 (26)	1938	Upper glacial	5,045,722 (15)	8,051,732 (28)	3,316,378 (30)
	Jameco	5,443,050 (8)	763,413 (4)	212,824 (1)		Jameco	4,878,019 (9)	371,286 (4)	1,797,664 (2)
	Magothy	0	1,281,123 (6)	4,383,685 (21)		Magothy	0	2,321,289 (9)	5,789,815 (42)
	Port Washington	0	0	419,287 (5)		Port Washington	0	0	396,756 (6)
	Lloyd	300,791 (1)	577,523 (3)	1,268,210 (10)		Lloyd	178,173 (1)	2,164,485 (4)	1,344,366 (15)
	Unknown	0	0	0		Unknown	0	0	0
1934	Upper glacial	4,151,101 (14)	7,959,400 (23)	3,084,204 (25)	1939	Upper glacial	5,118,043 (15)	10,486,944 (31)	3,659,970 (33)
	Jameco	4,554,706 (9)	747,190 (4)	335,245 (1)		Jameco	4,480,923 (8)	335,380 (5)	2,173,475 (2)
	Magothy	0	1,385,358 (6)	2,323,220 (28)		Magothy	0	1,200,795 (6)	6,649,780 (44)
	Port Washington	0	0	292,388 (5)		Port Washington	0	0	481,143 (6)
	Lloyd	213,635 (1)	653,948 (2)	1,268,725 (11)		Lloyd	279,681 (1)	2,885,390 (5)	1,928,074 (15)
	Unknown	0	0	0		Unknown	0	0	0

Table 3. Annual public-supply pumpage totals in Kings, Queens, and Nassau Counties, N.Y., 1920-95, by aquifer and county—continued

Year	Aquifer	County			Year	Aquifer	County		
		Kings	Queens	Nassau			Kings	Queens	Nassau
1940	Upper glacial	4,660,982 (15)	9,703,792 (29)	5,543,699 (39)	1945	Upper glacial	7,750,323 (27)	6,281,485 (20)	4,520,247 (33)
	Jameco	4,393,874 (8)	260,587 (3)	1,919,953 (2)		Jameco	2,742,215 (7)	959,714 (4)	2,041,328 (1)
	Magothy	0	969,683 (6)	6,188,505 (44)		Magothy	0	1,460,198 (6)	6,808,826 (51)
	Port Washington	0	0	479,197 (6)		Port Washington	0	0	209,517 (5)
	Lloyd	197,043 (1)	2,288,105 (4)	1,543,341 (18)		Lloyd	57,165 (1)	2,110,685 (4)	2,748,060 (19)
	Unknown	0	0	0		Unknown	0	263,926 (1)	0
1941	Upper glacial	4,799,597 (17)	11,321,526 (32)	5,404,503 (40)	1946	Upper glacial	8,511,679 (28)	6,113,555 (19)	4,554,883 (32)
	Jameco	4,296,648 (8)	621,410 (4)	2,146,131 (2)		Jameco	2,431,850 (7)	931,305 (4)	2,319,195 (1)
	Magothy	0	1,927,049 (8)	6,515,000 (53)		Magothy	0	1,591,478 (6)	7,055,684 (50)
	Port Washington	0	0	453,571 (6)		Port Washington	0	0	301,727 (6)
	Lloyd	205,005 (1)	2,236,985 (4)	2,021,708 (20)		Lloyd	10,520 (1)	2,049,445 (4)	3,173,308 (23)
	Unknown	0	0	0		Unknown	0	1,049,734 (2)	0
1942	Upper glacial	4,714,836 (18)	9,762,314 (29)	7,147,892 (39)	1947	Upper glacial	4,387,620 (28)	6,164,171 (19)	6,860,399 (40)
	Jameco	4,319,240 (8)	817,717 (4)	1,985,614 (2)		Jameco	1,079,440 (6)	855,520 (4)	2,200,345 (1)
	Magothy	0	1,626,613 (7)	6,720,223 (52)		Magothy	0	1,628,371 (6)	7,890,085 (56)
	Port Washington	0	0	323,670 (6)		Port Washington	0	0	336,090 (6)
	Lloyd	52,330 (1)	2,194,230 (4)	1,542,421 (18)		Lloyd	0	2,143,855 (4)	3,102,254 (23)
	Unknown	0	0	0		Unknown	0	1,317,667 (2)	0
1943	Upper glacial	5,469,770 (22)	8,803,386 (30)	3,623,446 (34)	1948	Upper glacial	0	6,729,941 (20)	7,930,845 (45)
	Jameco	3,683,000 (8)	954,489 (4)	1,918,206 (1)		Jameco	0	1,062,150 (4)	2,200,735 (1)
	Magothy	0	1,375,262 (8)	6,360,360 (50)		Magothy	0	1,698,105 (6)	8,798,928 (61)
	Port Washington	0	0	378,609 (6)		Port Washington	0	0	398,256 (6)
	Lloyd	101,000 (1)	2,192,390 (4)	1,924,443 (17)		Lloyd	0	1,917,300 (4)	3,259,746 (22)
	Unknown	0	0	0		Unknown	0	1,192,463 (2)	0
1944	Upper glacial	7,440,492 (26)	9,557,011 (30)	5,542,738 (35)	1949	Upper glacial	0	6,736,121 (23)	10,310,719 (47)
	Jameco	3,113,405 (8)	1,173,638 (5)	2,038,825 (1)		Jameco	0	918,790 (3)	2,212,853 (1)
	Magothy	0	1,391,824 (7)	7,306,842 (51)		Magothy	0	1,808,718 (6)	10,608,676 (68)
	Port Washington	0	0	412,118 (6)		Port Washington	0	0	435,976 (6)
	Lloyd	86,610 (1)	3,021,366 (5)	2,381,804 (22)		Lloyd	0	2,093,890 (4)	3,783,262 (26)
	Unknown	0	0	0		Unknown	0	117,203 (3)	0

Table 3. Annual public-supply pumpage totals in Kings, Queens, and Nassau Counties, N.Y., 1920-95, by aquifer and county—continued

Year	Aquifer	County			Year	Aquifer	County		
		Kings	Queens	Nassau			Kings	Queens	Nassau
1950	Upper glacial	0	6,111,583 (24)	9,304,733 (51)	1955	Upper glacial	0	8,039,921 (32)	9,015,133 (50)
	Jameco	0	961,640 (4)	2,220,636 (2)		Jameco	0	830,600 (2)	752,470 (1)
	Magothy	0	1,577,913 (6)	10,205,071 (72)		Magothy	0	3,315,317 (14)	24,551,040 (144)
	Port Washington	0	0	221,137 (4)		Port Washington	0	0	445,119 (7)
	Lloyd	0	2,005,500 (4)	3,361,464 (28)		Lloyd	0	1,292,720 (4)	3,579,672 (26)
	Unknown	0	1,013,261 (3)	0		Unknown	0	1,093,375 (3)	0
1951	Upper glacial	0	6,619,431 (26)	7,076,569 (38)	1956	Upper glacial	0	8,725,251 (34)	7,529,261 (49)
	Jameco	0	869,780 (4)	1,124,133 (1)		Jameco	0	320,600 (2)	811,151 (1)
	Magothy	0	1,839,203 (8)	12,702,323 (84)		Magothy	0	3,278,493 (15)	23,599,346 (163)
	Port Washington	0	0	254,193 (4)		Port Washington	0	0	593,469 (7)
	Lloyd	0	1,961,960 (4)	4,084,431 (29)		Lloyd	0	1,745,910 (4)	3,248,822 (28)
	Unknown	0	912,068 (2)	0		Unknown	0	1,052,347 (3)	0
1952	Upper glacial	0	6,334,569 (28)	7,377,261 (42)	1957	Upper glacial	0	8,715,659 (35)	9,334,965 (63)
	Jameco	0	838,900 (2)	1,048,892 (1)		Jameco	0	510,300 (2)	737,548 (1)
	Magothy	0	1,682,441 (9)	14,400,885 (97)		Magothy	0	3,880,190 (15)	31,267,870 (185)
	Port Washington	0	0	245,063 (4)		Port Washington	0	0	721,641 (6)
	Lloyd	0	1,983,915 (4)	4,552,995 (27)		Lloyd	0	1,739,090 (4)	3,848,696 (30)
	Unknown	0	1,160,118 (3)	0		Unknown	0	1,016,850 (2)	0
1953	Upper glacial	0	7,644,931 (28)	8,754,776 (53)	1958	Upper glacial	0	8,497,190 (36)	6,981,507 (61)
	Jameco	0	752,900 (2)	863,780 (1)		Jameco	0	851,400 (2)	743,484 (2)
	Magothy	0	2,068,825 (8)	18,678,230 (106)		Magothy	0	3,581,278 (14)	28,047,778 (195)
	Port Washington	0	0	395,203 (5)		Port Washington	0	0	938,465 (5)
	Lloyd	0	1,799,425 (4)	4,252,492 (28)		Lloyd	0	1,513,850 (4)	3,280,136 (28)
	Unknown	0	1,038,619 (3)	0		Unknown	0	925,640 (2)	0
1954	Upper glacial	0	8,008,185 (31)	12,895,567 (59)	1959	Upper glacial	0	9,501,658 (36)	6,294,763 (49)
	Jameco	0	820,800 (2)	1,018,055 (2)		Jameco	0	794,500 (2)	1,579,504 (1)
	Magothy	0	2,551,360 (13)	21,131,831 (127)		Magothy	0	4,532,760 (17)	33,335,180 (196)
	Port Washington	0	0	352,165 (5)		Port Washington	0	0	804,793 (5)
	Lloyd	0	1,440,300 (4)	4,243,796 (29)		Lloyd	0	1,393,110 (4)	3,777,581 (30)
	Unknown	0	984,592 (3)	0		Unknown	0	833,532 (2)	0

Table 3. Annual public-supply pumpage totals in Kings, Queens, and Nassau Counties, N.Y., 1920-95, by aquifer and county—continued

Year	Aquifer	County			Year	Aquifer	County		
		Kings	Queens	Nassau			Kings	Queens	Nassau
1960	Upper glacial	0	8,567,538 (36)	6,059,275 (49)	1965	Upper glacial	0	7,749,155 (39)	5,528,822 (49)
	Jameco	0	935,800 (2)	1,616,582 (1)		Jameco	0	825,900 (2)	1,774,672 (1)
	Magothy	0	5,643,310 (18)	33,141,224 (201)		Magothy	0	9,178,620 (28)	47,309,352 (236)
	Port Washington	0	0	664,130 (6)		Port Washington	0	0	946,103 (5)
	Lloyd	0	1,502,760 (4)	3,890,408 (30)		Lloyd	0	1,563,060 (4)	4,997,427 (34)
	Unknown	0	699,634 (2)	0		Unknown	0	781,404 (2)	0
1961	Upper glacial	0	8,480,809 (37)	5,746,789 (49)	1966	Upper glacial	0	8,107,271 (39)	5,643,100 (48)
	Jameco	0	866,100 (2)	1,779,032 (1)		Jameco	0	984,100 (2)	1,732,360 (1)
	Magothy	0	6,317,970 (18)	34,458,470 (204)		Magothy	0	8,850,070 (28)	49,108,026 (241)
	Port Washington	0	0	651,707 (6)		Port Washington	0	0	785,305 (5)
	Lloyd	0	1,265,700 (4)	4,157,387 (30)		Lloyd	0	1,492,040 (4)	5,419,592 (34)
	Unknown	0	777,642 (2)	0		Unknown	0	836,990 (3)	0
1962	Upper glacial	0	9,375,968 (38)	6,398,963 (50)	1967	Upper glacial	0	7,860,971 (39)	4,548,349 (43)
	Jameco	0	928,800 (2)	1,780,581 (1)		Jameco	0	1,007,800 (2)	1,601,447 (1)
	Magothy	0	7,099,700 (19)	39,326,231 (212)		Magothy	0	8,590,040 (29)	44,037,963 (250)
	Port Washington	0	0	516,091 (6)		Port Washington	0	0	485,306 (5)
	Lloyd	0	1,372,160 (4)	4,849,235 (31)		Lloyd	0	1,701,360 (4)	4,706,514 (33)
	Unknown	0	882,264 (3)	0		Unknown	0	807,606 (3)	0
1963	Upper glacial	0	9,130,202 (38)	6,375,705 (51)	1968	Upper glacial	0	9,112,817 (39)	4,878,512 (45)
	Jameco	0	791,900 (2)	1,844,934 (1)		Jameco	0	953,000 (2)	1,764,609 (1)
	Magothy	0	7,742,380 (25)	41,834,097 (214)		Magothy	0	9,384,700 (29)	50,075,523 (259)
	Port Washington	0	0	635,631 (6)		Port Washington	0	0	653,677 (5)
	Lloyd	0	1,555,360 (4)	4,421,578 (32)		Lloyd	0	1,553,510 (4)	5,380,659 (34)
	Unknown	0	866,153 (3)	0		Unknown	0	810,638 (3)	0
1964	Upper glacial	0	9,003,989 (38)	6,545,789 (49)	1969	Upper glacial	0	9,246,738 (39)	4,631,031 (46)
	Jameco	0	838,500 (2)	1,999,012 (1)		Jameco	0	900,100 (2)	1,657,726 (1)
	Magothy	0	8,050,550 (25)	45,392,797 (223)		Magothy	0	9,453,780 (29)	48,881,050 (263)
	Port Washington	0	0	810,520 (7)		Port Washington	0	0	708,111 (5)
	Lloyd	0	1,490,010 (4)	4,904,061 (32)		Lloyd	0	1,781,190 (4)	5,243,160 (33)
	Unknown	0	872,452 (3)	0		Unknown	0	842,643 (3)	0

Table 3. Annual public-supply pumpage totals in Kings, Queens, and Nassau Counties, N.Y., 1920-95, by aquifer and county—continued

Year	Aquifer	County			Year	Aquifer	County		
		Kings	Queens	Nassau			Kings	Queens	Nassau
1970	Upper glacial	0	8,624,388 (39)	4,891,478 (45)	1975	Upper glacial	0	5,050,219 (34)	3,831,039 (43)
	Jameco	0	1,041,300 (2)	1,761,056 (1)		Jameco	0	946,700 (2)	1,891,705 (1)
	Magothy	0	10,642,590 (29)	52,652,338 (260)		Magothy	0	12,887,630 (32)	51,734,927 (274)
	Port Washington	0	0	771,576 (5)		Port Washington	0	0	542,658 (4)
	Lloyd	0	2,262,690 (4)	5,680,680 (33)		Lloyd	0	1,763,200 (3)	4,966,454 (30)
	Unknown	0	842,643 (3)	0		Unknown	0	0	0
1971	Upper glacial	0	8,379,067 (39)	4,723,790 (44)	1976	Upper glacial	0	5,014,139 (34)	4,365,364 (39)
	Jameco	0	1,001,200 (2)	1,628,195 (1)		Jameco	0	911,900 (2)	1,521,335 (1)
	Magothy	0	12,103,550 (29)	53,766,010 (267)		Magothy	0	14,442,840 (32)	55,557,165 (272)
	Port Washington	0	0	651,631 (5)		Port Washington	0	0	978,345 (4)
	Lloyd	0	2,160,900 (4)	6,355,470 (33)		Lloyd	0	1,941,900 (3)	4,848,898 (28)
	Unknown	0	1,014,221 (3)	0		Unknown	0	0	0
1972	Upper glacial	0	7,244,255 (38)	4,092,681 (41)	1977	Upper glacial	0	4,876,861 (33)	4,157,500 (41)
	Jameco	0	967,600 (2)	1,426,215 (1)		Jameco	0	785,300 (2)	1,794,702 (1)
	Magothy	0	12,709,010 (30)	50,518,067 (268)		Magothy	0	14,193,980 (31)	55,018,168 (272)
	Port Washington	0	0	752,022 (5)		Port Washington	0	0	754,235 (4)
	Lloyd	0	1,770,300 (4)	5,512,759 (34)		Lloyd	0	2,088,100 (4)	4,882,459 (30)
	Unknown	0	770,699 (3)	0		Unknown	0	0	0
1973	Upper glacial	0	6,425,660 (36)	4,116,179 (43)	1978	Upper glacial	0	5,472,215 (32)	3,064,799 (34)
	Jameco	0	926,300 (2)	1,499,523 (1)		Jameco	0	843,700 (2)	1,679,949 (1)
	Magothy	0	12,597,970 (31)	52,852,374 (272)		Magothy	0	14,154,380 (32)	56,367,209 (271)
	Port Washington	0	0	856,674 (5)		Port Washington	0	0	573,085 (4)
	Lloyd	0	2,419,100 (4)	4,385,736 (33)		Lloyd	0	2,055,400 (4)	3,501,544 (31)
	Unknown	0	598,555 (2)	0		Unknown	0	0	0
1974	Upper glacial	0	5,249,921 (40)	4,374,148 (42)	1979	Upper glacial	0	5,278,609 (31)	2,646,340 (34)
	Jameco	0	739,800 (2)	1,449,406 (1)		Jameco	0	833,900 (2)	1,680,687 (1)
	Magothy	0	13,355,110 (31)	55,017,238 (276)		Magothy	0	14,006,550 (32)	55,240,034 (268)
	Port Washington	0	0	817,214 (4)		Port Washington	0	0	535,977 (4)
	Lloyd	0	2,044,300 (4)	4,658,191 (32)		Lloyd	0	2,100,700 (4)	4,683,488 (28)
	Unknown	0	110,885 (2)	0		Unknown	0	0	0

Table 3. Annual public-supply pumpage totals in Kings, Queens, and Nassau Counties, N.Y., 1920-95, by aquifer and county—continued

Year	Aquifer	County			Year	Aquifer	County		
		Kings	Queens	Nassau			Kings	Queens	Nassau
1980	Upper glacial	0	5,075,587 (32)	3,232,064 (34)	1985	Upper glacial	0	3,719,910 (16)	3,711,031 (34)
	Jameco	0	570,700 (2)	0		Jameco	0	1,458,800 (2)	1,736,281 (1)
	Magothy	0	14,609,700 (33)	60,939,070 (276)		Magothy	0	12,182,700 (32)	57,798,446 (264)
	Port Washington	0	0	441,870 (2)		Port Washington	0	0	189,514 (2)
	Lloyd	0	2,540,700 (4)	4,598,483 (32)		Lloyd	0	1,073,600 (4)	4,632,535 (27)
	Unknown	0	0	0		Unknown	0	0	0
1981	Upper glacial	0	5,496,410 (31)	2,941,753 (51)	1986	Upper glacial	0	3,897,210 (20)	3,726,812 (33)
	Jameco	0	724,800 (2)	0		Jameco	0	284,000 (2)	1,594,202 (1)
	Magothy	0	14,179,000 (33)	56,096,342 (280)		Magothy	0	7,593,300 (26)	62,192,279 (269)
	Port Washington	0	0	358,241 (3)		Port Washington	0	0	218,789 (4)
	Lloyd	0	2,317,000 (4)	4,131,068 (35)		Lloyd	0	520,000 (3)	5,018,977 (31)
	Unknown	0	0	0		Unknown	0	0	0
1982	Upper glacial	0	6,135,194 (30)	2,604,978 (51)	1987	Upper glacial	0	2,790,800 (15)	2,555,004 (28)
	Jameco	0	682,000 (2)	0		Jameco	0	156,600 (1)	1,447,481 (1)
	Magothy	0	14,760,750 (33)	56,826,088 (276)		Magothy	0	5,355,600 (25)	58,702,025 (273)
	Port Washington	0	0	264,945 (4)		Port Washington	0	0	202,225 (3)
	Lloyd	0	2,560,400 (4)	4,453,267 (32)		Lloyd	0	170,700 (3)	4,670,946 (31)
	Unknown	0	0	0		Unknown	0	0	0
1983	Upper glacial	0	3,941,120 (22)	3,171,703 (52)	1988	Upper glacial	0	2,993,030 (15)	2,692,249 (28)
	Jameco	0	868,600 (2)	0		Jameco	0	99,400 (1)	1,542,292 (1)
	Magothy	0	13,758,100 (31)	60,800,334 (276)		Magothy	0	7,067,000 (23)	59,597,585 (268)
	Port Washington	0	0	434,728 (5)		Port Washington	0	0	253,550 (3)
	Lloyd	0	2,140,500 (4)	4,998,975 (34)		Lloyd	0	94,100 (3)	4,755,307 (31)
	Unknown	0	0	0		Unknown	0	0	0
1984	Upper glacial	0	3,630,580 (18)	3,344,774 (50)	1989	Upper glacial	0	2,940,340 (19)	3,040,369 (26)
	Jameco	0	846,700 (2)	0		Jameco	0	20,300 (1)	307,970 (1)
	Magothy	0	12,642,000 (28)	57,201,625 (271)		Magothy	0	4,984,700 (23)	53,144,161 (261)
	Port Washington	0	0	168,453 (4)		Port Washington	0	0	196,142 (3)
	Lloyd	0	1,915,000 (4)	4,812,385 (34)		Lloyd	0	440,400 (1)	4,395,090 (26)
	Unknown	0	0	0		Unknown	0	0	0

Table 3. Annual public-supply pumpage totals in Kings, Queens, and Nassau Counties, N.Y., 1920-95, by aquifer and county—continued

Year	Aquifer	County			Year	Aquifer	County		
		Kings	Queens	Nassau			Kings	Queens	Nassau
1990	Upper glacial	0	2,931,600 (13)	2,877,849 (27)	1993	Upper glacial	0	3,191,800 (15)	2,752,222 (26)
	Jameco	0	20,000 (1)	519,240 (1)		Jameco	0	0	1,101,697 (1)
	Magothy	0	4,723,900 (19)	53,741,757 (260)		Magothy	0	5,048,700 (22)	60,652,776 (268)
	Port Washington	0	0	203,497 (2)		Port Washington	0	0	235,482 (3)
	Lloyd	0	147,300 (1)	3,904,686 (28)		Lloyd	0	0	3,995,185 (27)
	Unknown	0	0	0		Unknown	0	0	0
1991	Upper glacial	0	3,494,300 (15)	2,807,837 (25)	1994	Upper glacial	0	2,732,700 (13)	2,339,762 (22)
	Jameco	0	36,800 (1)	1,199,383 (1)		Jameco	0	107,400 (1)	1,030,725 (1)
	Magothy	0	5,335,700 (21)	58,567,405 (270)		Magothy	0	5,471,700 (18)	60,519,715 (265)
	Port Washington	0	0	224,627 (3)		Port Washington	0	0	173,787 (3)
	Lloyd	0	53,700 (3)	4,139,978 (30)		Lloyd	0	20,900 (3)	4,180,238 (31)
	Unknown	0	0	0		Unknown	0	0	0
1992	Upper glacial	0	2,996,400 (12)	2,826,825 (27)	1995	Upper glacial	0	1,896,600 (11)	2,420,603 (22)
	Jameco	0	29,000 (1)	1,121,029 (1)		Jameco	0	164,600 (1)	1,209,177 (1)
	Magothy	0	4,680,300 (18)	54,894,098 (268)		Magothy	0	4,108,400 (18)	60,530,166 (262)
	Port Washington	0	0	218,859 (3)		Port Washington	0	0	204,613 (3)
	Lloyd	0	5,700 (1)	3,593,675 (31)		Lloyd	0	17,600 (1)	4,230,538 (32)
	Unknown	0	0	0		Unknown	0	0	0

Table 4. Maximum, minimum, and mean annual pumpage in Kings, Queens, and Nassau Counties, N.Y., 1920-95, by county and aquifer
[Values are in millions of gallons]

County	Aquifer	Maximum		Minimum		Mean pumpage[1]
		Year	Pumpage	Year	Pumpage[1]	
Kings	Upper glacial	1946	8,512	1932	3,232	5,650
	Jameco	1933	5,443	1927	271	3,473
	Lloyd	1931	1,105	1946	11	270
Queens	Upper glacial	1941	11,322	1987	1,897	6,632
	Jameco	1985	1,459	1990	20	719
	Magothy	1982	14,761	1926	6	5,936
	Lloyd	1944	3,021	1992	6	1,515
Nassau	Upper glacial	1954	12,896	1920	1,867	4,953
	Jameco	1946	2,319	1936	59	1,300
	Magothy	1986	62,192	1920	199	29,648
	Port Washington	1976	978	1920	14	420
	Lloyd	1971	6,355	1920	250	3,311

[1] Values in this column do not include years of nonpumping

Water-Table Altitude in Kings and Queens Counties, New York, in March 1997

Introduction

Kings and Queens Counties, on western Long Island, N.Y. (fig. 1), obtain nearly all potable water from an extensive upstate reservoir system. The possibility that this source will be inadequate during future droughts, or during infrastructure repairs or other emergencies, has prompted consideration of using the underlying aquifer system as a supplemental source of water. In 1992, the U.S. Geological Survey, in cooperation with the New York City Department of Environmental Protection, began a long-term study of the aquifer system beneath Kings and Queens Counties to determine the feasibility of using ground water to supplement a possible shortfall in the city's reservoir-water-supply system. As part of this study, an observation-well network has been established to monitor water levels in the upper glacial, Magothy, and Lloyd aquifers. This fact sheet depicts the configuration of the water-table altitude in March 1997 as inferred from water-level measurements at selected observation wells.

Hydrogeologic Setting

The upper glacial aquifer is the uppermost hydrogeologic unit on Long Island; it consists of till deposits (clay, silt, sand, gravel, and boulders) along the north shore and outwash deposits (mostly sand, gravel, and clay) to the south. The outwash deposits are highly permeable—horizontal hydraulic conductivity is estimated to be 270 feet per day (Franke and Cohen, 1972); till deposits are typically less than half as permeable (Smolensky and others, 1989; Buxton and Shernoff, 1995).

The water table is within the upper glacial aquifer throughout most of Kings and Queens Counties. Thickness of the upper glacial aquifer in central Kings County is more than 200 feet (de Laguna, 1948), and in Queens County, it ranges from 0 to 300 feet (Soren, 1978; Buxton and Shernoff, 1995).

Water-Level Measurements

All observation wells represented in figure 1 are screened in the upper glacial aquifer. Water-level measurements were made by the wetted-steel-tape method and recorded to 1/100 of a foot. The water-level monitoring network contains 59 observation wells, of which 26 are in Kings County, and 33 in Queens County. The average elevation of the screened zone in the wells in this network ranges from 9 to 19 feet below sea level.

Water-Table Configuration

The water-level contours show local mounds in the water-table with steep gradients in the northern part of Queens County, where low-permeability bedrock and the clay member of the Raritan Formation are near sea level (Soren, 1978; Buxton and Shernoff, 1995) and poorly permeable till deposits are present. Similar anomalously high water levels can be found on the peninsulas along the north shore of Nassau County to the east. The contours in the central and southern part of Kings and Queens Counties indicate a gentler gradient than in the northern part of Queens because the outwash deposits in these areas have higher hydraulic conductivity than the deposits to the north. Small depressions are likely to form in eastern Queens County as a result of public-supply pumping.

— By Jack Monti, Jr. and Anthony Chu

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For more information contact:

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2045 Route 112, Bldg. 4
Coram, New York 11727

This fact sheet and related information can be found on the World Wide Web at: *http://ny.usgs.gov*

Additional earth science information can be obtained by accessing the USGS "Home Page" on the World Wide Web at: *http://water.usgs.gov*

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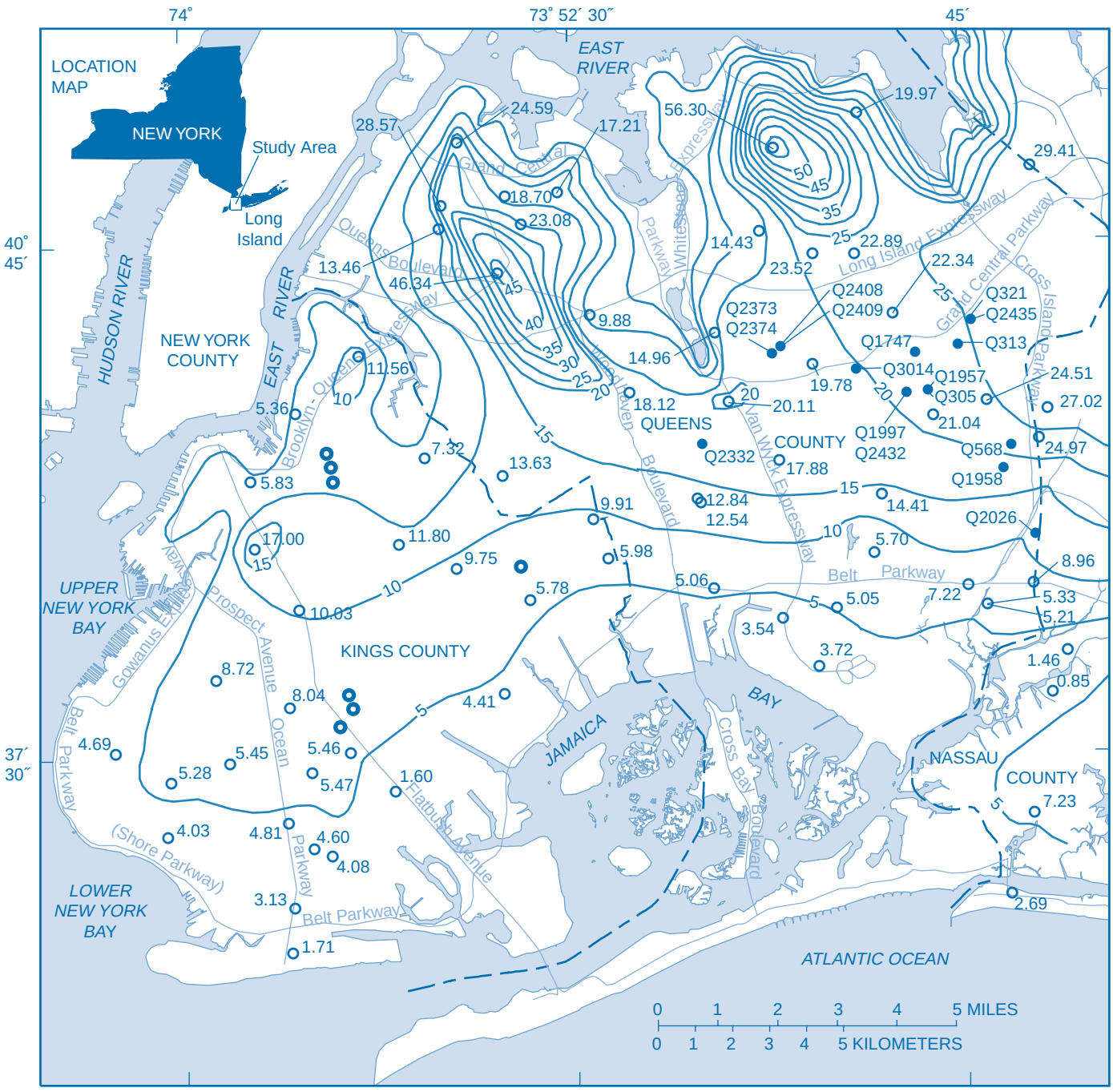

Base from New York State Department of Transportation, 1:24,000

EXPLANATION

—5— WATER-TABLE CONTOUR- Shows altitude of water table. Contour interval 5 feet. Datum is sea level.

22.76 OBSERVATION WELL- Number is water-level altitude, in feet above sea level.

Q2435 PUBLIC-SUPPLY WELL PUMPING IN MARCH 1997

DEWATERING SITE- Metropolitan Transit Authority subway

Fig. 1. Water-table configuration of Kings and Queens Counties, Long Island, N.Y., in March 1997

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NYC has the best water in the world!

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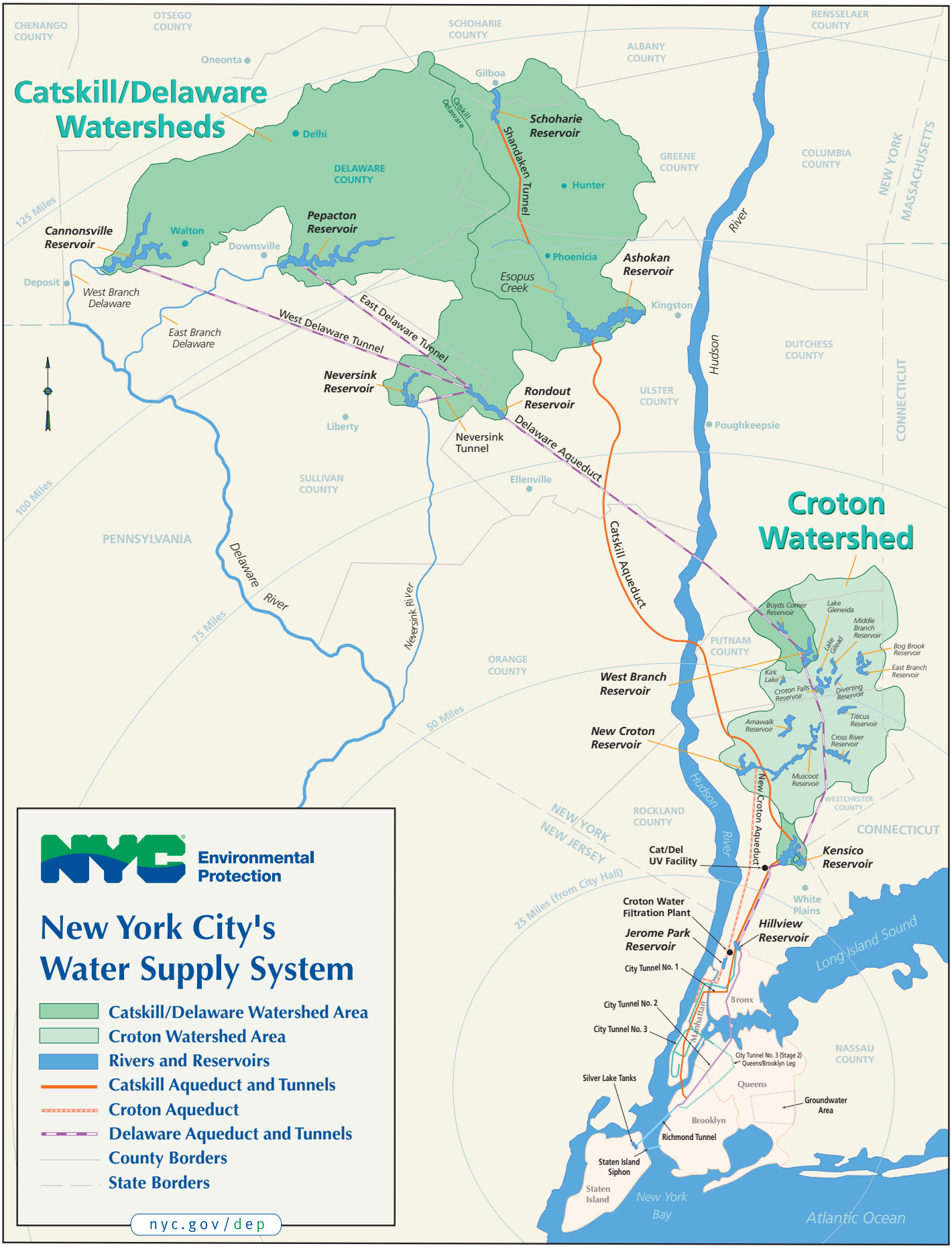
New York City Drinking Water Supply and Quality Report - 2020

NYC Environmental Protection

Bill de Blasio
Mayor

Vincent Sapienza, P.E.
Commissioner


Catskill/Delaware Watersheds
Croton Watershed
CHENANGO COUNTY
OTSEGO COUNTY
SCHOHARIE COUNTY
ALBANY COUNTY
RENSSELAER COUNTY
GREENE COUNTY
COLUMBIA COUNTY
DELAWARE COUNTY
DUTCHESS COUNTY
ULSTER COUNTY
SULLIVAN COUNTY
ORANGE COUNTY
PUTNAM COUNTY
ROCKLAND COUNTY
WESTCHESTER COUNTY
NASSAU COUNTY
CONNECTICUT
PENNSYLVANIA
NEW YORK
NEW JERSEY
MASSACHUSETTS
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Delhi
Hunter
Walton
Downsville
Deposit
Phoenicia
Kingston
Poughkeepsie
Liberty
Ellenville
White Plains
Bronx
Queens
Brooklyn
Staten Island
Manhattan
Schoharie Reservoir
Shandaken Tunnel
Pepacton Reservoir
Cannonsville Reservoir
Ashokan Reservoir
Esopus Creek
West Branch Delaware
East Branch Delaware
West Delaware Tunnel
East Delaware Tunnel
Neversink Reservoir
Neversink Tunnel
Rondout Reservoir
Delaware Aqueduct
Catskill Aqueduct
Hudson River
Delaware River
Neversink River
Catskill Delaware
125 Miles
100 Miles
75 Miles
50 Miles
25 Miles (from City Hall)
Boyds Corner Reservoir
Lake Gleneida
Middle Branch Reservoir
Lake Gilead
Bog Brook Reservoir
East Branch Reservoir
Kirk Lake
Croton Falls Reservoir
Diverting Reservoir
Amawalk Reservoir
Titicus Reservoir
Cross River Reservoir
Muscoot Reservoir
West Branch Reservoir
New Croton Reservoir
New Croton Aqueduct
Cat/Del UV Facility
Kensico Reservoir
Croton Water Filtration Plant
Jerome Park Reservoir
Hillview Reservoir
City Tunnel No. 1
City Tunnel No. 2
City Tunnel No. 3
City Tunnel No. 3 (Stage 2) Queens/Brooklyn Leg
Silver Lake Tanks
Groundwater Area
Richmond Tunnel
Staten Island Siphon
New York Bay
Atlantic Ocean
Long Island Sound
Environmental Protection
New York City's Water Supply System
Catskill/Delaware Watershed Area
Croton Watershed Area
Rivers and Reservoirs
Catskill Aqueduct and Tunnels
Croton Aqueduct
Delaware Aqueduct and Tunnels
County Borders
State Borders
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NYC Environmental Protection

Vincent Sapienza, P.E.
Commissioner



Dear Friends:

This past year has presented our agency, our city, and our nation with historic challenges. The work we do at the Department of Environmental Protection (DEP) has never been more vital to protecting the health of New Yorkers.

Despite the challenges presented by the COVID-19 global pandemic, we have remained focused and disciplined in our commitment to being a world-class water utility and building a sustainable future for all New Yorkers. At DEP, we are no strangers to confronting situations that require quick thinking and innovative solutions. Through all the challenges we faced in 2020, I am proud to report that each day we continued to deliver one billion gallons of the best tap water in the world to more than 9.3 million New Yorkers.

In this report, you will see that New York City's drinking water continued to meet or surpass every national and state standard for quality. These data are based on 43,600 samples that were collected by DEP scientists throughout our reservoir system, and at nearly 1,000 street-side sampling stations in every neighborhood across the city. Those samples were analyzed 530,000 times by scientists working in our four water quality laboratories. Robotic monitoring stations on our reservoirs provided another 2.7 million tests to ensure DEP was sending the best-quality water to New York City at all times.

I want to especially thank the many DEP employees who went above and beyond in 2020, putting their commitment to public service before themselves, and truly embodying DEP's core values. And, as we embark on a new decade, I also want to thank each of you for entrusting DEP with your drinking water supply. We take great pride in delivering the best water to millions of New Yorkers every day.

Sincerely,

Vincent Sapienza, P.E.
Commissioner



Throughout the COVID-19 pandemic, DEP's 6,000 dedicated scientists, engineers, and other professionals continued to protect, operate, and maintain New York City's water supply system, delivering high-quality drinking water to millions of New Yorkers around the clock, without interruption

NEW YORK CITY'S WATER SUPPLY SYSTEM

New York City's water supply system provides more than one billion gallons of safe drinking water every day to more than 8.3 million residents of New York City and one million people living in the counties of Westchester, Putnam, Orange, and Ulster. In 2020, we delivered 104 million gallons per day to 74 communities and institutions outside NYC. In all, this system provides nearly half the population of New York State with high-quality drinking water.

New York City gets its drinking water from 19 reservoirs and three controlled lakes spread across a nearly 2,000-square-mile watershed. The watershed is located upstate in portions of the Hudson Valley and Catskill Mountains that are as far as 125 miles north of the city. New York City's water supply system is comprised of two primary surface water supplies called the Catskill/Delaware and Croton. The city also has a permit to operate a groundwater supply in Southeast Queens, although water from that system has not been delivered to customers in many years.

In 2020, New York City received a blend of drinking water from the Catskill/Delaware and Croton supplies. The Catskill/Delaware provided approximately 96 percent of the water, and approximately 4 percent was supplied by Croton. An estimated 10 percent of the water supply was lost due to distribution system leakage.

TREATING OUR DRINKING WATER

CATSKILL/DELAWARE SUPPLY

Due to the very high quality of our Catskill/Delaware supply, New York City is one of only five large cities in the country with a surface drinking water supply that does not utilize filtration as a form of treatment. The Catskill/Delaware supply operates under a filtration waiver, referred to as the "Filtration Avoidance Determination" (FAD), and the water from this supply is treated using two forms of disinfection to reduce microbial risk.

Water is disinfected with chlorine, a common disinfectant added to kill germs and stop bacteria from growing on pipes, and then with ultraviolet (UV) light at the Catskill/Delaware UV Disinfection Facility. The facility, located in Westchester County, is the largest of its kind in the world and is designed to disinfect more than two billion gallons of water per day. At the UV Disinfection Facility, exposure to UV light inactivates potentially harmful microorganisms without changing the water.

DEP also adds food grade phosphoric acid, sodium hydroxide, and fluoride to the water before sending it into distribution. Phosphoric acid is added because it creates a protective film on pipes that reduces the release of metals, such as lead, from service lines and household plumbing. Sodium hydroxide is added to raise the pH which reduces corrosion of household plumbing. Fluoride is added to improve dental protection and is effective in preventing cavities at a federally-approved level of 0.7 mg/L. During 2020, only 0.2 percent of the water produced by Catskill/Delaware supply was not fluoridated.

CROTON SUPPLY

The Croton supply is filtered by the Croton Water Filtration Plant, located underground in the Bronx. The plant has the ability to treat up to 290 million gallons of drinking water each day, which helps to ensure a large enough supply of water for the city to withstand droughts, periodically shut down other parts of the water supply, and respond to the potential effects of climate change. The Croton Water Filtration Plant first began operating in May 2015.

Once water arrives at the filtration plant it undergoes treatment to remove impurities. The treatment processes include coagulation, dissolved air flotation, filtration, and disinfection. During coagulation, chemicals are added to untreated water, causing any particulates to bunch together and become larger particles called floc. Then injected air bubbles float the floc to the top where it is skimmed off using a process called dissolved air flotation. Finally, the water flows through a filter bed removing any remaining particles. Just like the Catskill/Delaware supply, Croton water is disinfected with chlorine and UV light to protect against potentially-harmful microorganisms, and is treated with food grade phosphoric acid, sodium hydroxide, and fluoride. In 2020, DEP upgraded the material in the filter beds from anthracite to granular activated carbon (GAC) to improve the plant's performance. Once the change was completed, the plant resumed operations on October 27 to December 31, during which time, only 0.6 percent of the water produced by the plant was not fluoridated.

The New Croton Reservoir Dam



TESTING FOR QUALITY

DRINKING WATER SAMPLING AND MONITORING

DEP monitors the water in the distribution system, upstate reservoirs and feeder streams, and wells that are potential sources for New York City's drinking water supply. We continuously sample and conduct analyses for numerous water quality parameters, including microbiological, chemical, and physical measures, throughout the watershed and as the water enters the distribution system. DEP also regularly tests water quality at nearly 1,000 water quality sampling stations throughout New York City. In 2020, DEP performed over 363,200 analyses on 31,300 samples from the distribution system, meeting all state and federal monitoring requirements. These data are summarized in tables starting on page 11. Additionally, DEP performed over 166,800 analyses on 12,300 samples from the upstate reservoir watersheds and took more than 2.7 million robotic monitoring measurements to support FAD watershed protection programs and to optimize water quality.



DEP's water quality monitoring program—far more extensive than required by law—demonstrates that the quality of New York City's drinking water remains high and meets all state and federal drinking water standards

REGULATION OF DRINKING WATER

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activities. Contaminants that may be present in source water include microbial contaminants, inorganic contaminants, pesticides and herbicides, organic chemical contaminants, and radioactive contaminants.

To ensure that tap water is safe to drink, the New York State Department of Health (NYSDOH) and the United States Environmental Protection Agency (EPA) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. The NYSDOH and the federal Food and Drug Administration's (FDA) regulations establish limits for contaminants in bottled water, which must provide the same protection for public health. The presence of contaminants does not necessarily indicate that water poses a health risk. These regulations also establish the minimum amount of testing and monitoring that each system must undertake to ensure that the tap water is safe to drink.

Visit **epa.gov/safewater** or **health.ny.gov** for more information about drinking water.

PROTECTING OUR WATER AT THE SOURCE

10-YEAR FILTRATION AVOIDANCE DETERMINATION (FAD)

DEP funds and administers a number of watershed protection and pollution prevention programs to maintain the high quality of our drinking water. These science-based strategies are designed to protect New York City's drinking water at its source by keeping pollution out of our reservoirs and the streams, creeks, and rivers that feed them.

NYSDOH issued the most current FAD in 2017 that allows DEP to continue operating the Catskill/Delaware supply without filtration through at least 2027. DEP will commit an estimated $1 billion over the coming decade to comply with the FAD, which will go towards our watershed programs that conserve watershed lands, upgrade wastewater infrastructure, implement clean water strategies on watershed farms, and manage streams, forests, and other natural resources that affect water quality.

SOURCE WATER ASSESSMENT PROGRAMS

Federal regulations require states to develop and implement source water assessment programs to identify the areas that supply public tap water, inventory contaminants, assess water system susceptibility to contamination, and inform the public of the results. The states are given a great deal of flexibility on how to implement source water assessment programs. These assessments are created using available information to help estimate the potential for source water contamination. Higher susceptibility ratings do not mean that source water contamination has occurred or will occur in a water supply; rather, they indicate the need for water suppliers to implement additional precautionary measures. Because of DEP's extensive watershed protection and pollution prevention programs, NYSDOH does not find it necessary to perform a source water assessment on the New York City water supply.

Water quality monitoring at Bear Kill which leads to Schoharie Reservoir



CONSERVING OUR SUPPLY

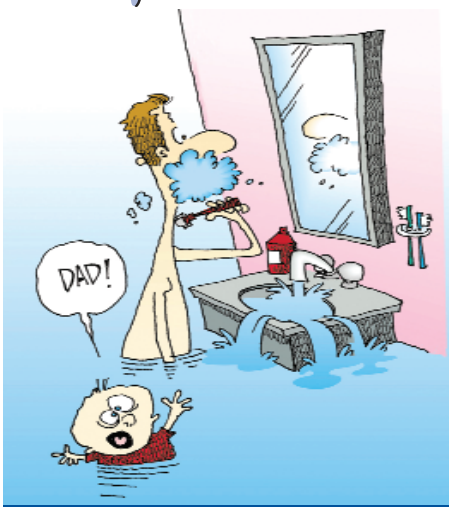
Although New York City has grown by more than 1.3 million people since 1980, demand for water has dropped by approximately 35 percent—making it one of the most water-efficient large cities in the country.

The average single-family household in New York City uses approximately 70,000 gallons of water each year at a cost of $3.99 per 100 cubic feet of water (748 gallons), or about $373 a year. Since nearly all customers also receive wastewater collection and treatment services, which cost about $594, the combined annual water and sewer charge for the typical New York City household using 70,000 gallons per year is $967, calculated at fiscal year 2021 rates.

Advances in technology have played a key role in the drop of water consumption, from the replacement of thousands of inefficient toilets through DEP's toilet replacement program, to an automated leak detection program, which helps our customers save both money and water by alerting homeowners to unusual spikes in water consumption. DEP has also partnered with other city agencies, colleges, and businesses to help conserve water by installing more than 400 spray shower timers in NYC Parks playgrounds, 34,000 efficient bathroom fixtures in 402 New York City public schools, and a water reuse station at the Fire Department of the City of New York's (FDNY) Fire Training Academy on Randall's Island which includes a 40,000-gallon underground water storage tank used for calibrating equipment on pumper apparatus.

These, and other recent investments, have reduced overall demand for water by more than 11.2 million gallons per day. By 2022, we plan to nearly double that by conserving 20 million gallons per day through new and ongoing initiatives.

The DOs & DON'Ts of Water Conservation



BATHROOM

✔ Do take shorter showers and fill the tub halfway.

✖ Don't run water while washing your hands & brushing your teeth.

KITCHEN & LAUNDRY

✔ Do run the dishwasher & washing machine only when full.

✖ Don't let the water run while washing dishes. Kitchen faucets use 2 to 3 gallons a minute. Filling a basin only takes 10 gallons to wash and rinse.

EVERYWHERE

✔ Do install water-saving fixtures.

✖ Don't ignore water leaks. Turn taps off tightly.

OUTDOORS

✔ Do use a self-closing nozzle on your hose.

✖ Don't open fire hydrants.

REPORT LEAKS & WATER WASTE
Call 311

PLANNING FOR THE FUTURE

We are continuing to build upon DEP's legacy of long-term planning and have made significant progress on keystone projects already underway. In 2020, we completed the third year of an all-important capital project to rehabilitate the Catskill Aqueduct. Skilled workers replaced century-old valves along the northern 74 miles of the aqueduct and repaired minor leaks to ensure the aqueduct continues to deliver water from the Catskills to New York City after more than a century in service.

In May 2020, the final segment of steel lining was lowered into the Delaware Aqueduct Bypass Tunnel, marking another significant milestone in our project to repair the longest tunnel in the world. The last of 230 massive steel liners was lowered down an access shaft in the Town of Newburgh. Each steel segment is 16 feet in diameter, 40 feet long, and weighs 106,000 pounds. DEP expected to complete the installation of steel liners by August 2020, but laborers finished this vital portion of the $1 billion project several months ahead of schedule. In addition to meeting this milestone, we also placed more than 70 percent of the tunnel's finished concrete liner.

This summer, DEP announced the start of subsurface analyses for the future upgrades to the dam and dikes at Ashokan Reservoir. Field work began in August to support future upgrades to the dam and dikes that impound water at the reservoir. The work focuses on gathering soil and bedrock samples that are needed for the engineering and design of upgrades at each structure. The subsurface investigations are connected to the Ashokan Century Program, a comprehensive, multi-year capital program to upgrade the dam, dikes, chambers and other infrastructure at Ashokan Reservoir. The program comprises the largest public works project in the Catskills in more than 50 years.

Work on steel liners for the Delaware Aqueduct Bypass Tunnel (each liner section is 16' in diameter and 40' long)



CRYPTOSPORIDIUM AND *GIARDIA*

DEP maintains a comprehensive program to monitor its source waters and watersheds for the presence of *Cryptosporidium* and *Giardia*, microscopic organisms that can cause disease. In 2020, DEP collected weekly samples of water leaving Kensico Reservoir, prior to chlorination and UV disinfection, and leaving Hillview Reservoir, prior to secondary disinfection with chlorine. Water leaving New Croton Reservoir was sampled quarterly. Samples were analyzed using EPA Method 1623.1. The *Cryptosporidium* and *Giardia* data for water leaving the Kensico, Hillview, and New Croton reservoirs are presented in the table on page 14 of this report.

While there is no evidence that any cases of cryptosporidiosis or giardiasis have been caused by the New York City water supply, federal and state law requires all water suppliers to notify their customers about the potential risks from *Cryptosporidium* and *Giardia*. Cryptosporidiosis and giardiasis are intestinal illnesses caused by microscopic pathogens, which can be waterborne. Symptoms of infection include nausea, diarrhea, and abdominal cramps. Some people may be more vulnerable to disease causing microorganisms, or pathogens in drinking water than the general population. Immuno-compromised persons, such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly individuals, and infants, can be particularly at risk from infections. These people should seek advice from their health care providers about their drinking water. EPA/CDC guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium*, *Giardia*, and other microbial contaminants are available from EPA's Safe Drinking Water Hotline at 1-800-426-4791.

New York City's Waterborne Disease Risk Assessment Program (WDRAP), a partnership between DEP and DOHMH, helps assess and ensure the microbial safety of NYC's tap water. Under WDRAP, NYC conducts disease surveillance for *Cryptosporidium* and *Giardia* to track incidence and to examine patterns and potential risk exposures in the population. The city also conducts syndromic surveillance for gastrointestinal symptoms to monitor trends to ensure identification of any waterborne disease outbreak, should one occur. Disease and syndromic surveillance continued to indicate that there have been no outbreaks of *Cryptosporidium* and *Giardia* attributed to tap water consumption in New York City.



Throughout the COVID-19 pandemic, DEP scientists continued their work to insure the high-quality of New York City's drinking water supply

LEAD IN DRINKING WATER: FREQUENTLY ASKED QUESTIONS

IS THERE LEAD IN MY DRINKING WATER?

New York City's award-winning tap water is delivered virtually lead-free through 7,000 miles of lead-free aqueducts, tunnels, and water mains in the city's water supply system. However, homes built prior to 1961 may have lead service lines (which connect your house to the city's water main in the street), and some homes, regardless of the year they were built, could have household plumbing and internal fixtures that contain lead. Although New York City takes extensive steps to protect water in homes that may have lead in their plumbing, lead from plumbing may still be released into a home's drinking water. It is possible that lead levels at your home may be higher than at other homes in the community as a result of materials used in your home's plumbing. DEP is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components.

HOW CAN I FIND OUT IF I HAVE A LEAD SERVICE LINE?

Visit nyc.gov/leadfree to view an interactive map. This map offers historical information largely based on third-party plumbing records, supplemented, in some cases by information gathered during inspections.

HOW CAN I TEST THE WATER IN MY HOME?

DEP offers free lead test kits to all New York City residents. Call 311 or visit nyc.gov/apps/311 to request a free lead test kit. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline (1-800-426-4791) or at epa.gov/safewater/lead.

WHAT ARE THE HEALTH EFFECTS OF LEAD?

Exposure to lead can cause serious health problems, especially for pregnant women, infants, and young children. For more information, visit nyc.gov/lead.

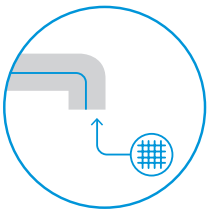
How can I limit my lead exposure?



Run Your Tap
for 30 seconds to 2 minutes before using water for drinking or cooking, when your water has been sitting for several hours.



Use Cold Water
for cooking, drinking, or preparing infant formula. Hot tap water is more likely to contain lead and other metals.



Remove & Clean
the faucet screen monthly (also called an aerator), where small particles can get trapped.



Hire
a licensed plumber to identify and replace plumbing fixtures and/or service line that contain lead.



DEP scientist performing water testing at the NYC Water Quality Distribution Laboratory

HOW TO READ THE NEW YORK CITY 2020 DRINKING WATER QUALITY TESTING RESULTS

The following section of this report compares the quality of your tap water to federal and state standards for each parameter (if applicable). The monitoring results show that New York City's drinking water met all drinking water standards in 2020.

The following tables reflect the compliance monitoring results for all regulated and non-regulated parameters, the number of samples collected, the range of values detected, the average of the values detected, and the possible sources of the parameters, unless otherwise footnoted. The monitoring frequency of each parameter varies and is parameter specific. Data presented are for the Catskill/Delaware and Croton supplies, which were the only sources of water in 2020. The table on page 15 represents those parameters monitored for, but not detected in any sample.

Most of our data are representative of 2020 testing; concentrations of parameters or contaminants do not change frequently.

THE NEW YORK CITY
2020 DRINKING WATER QUALITY TESTING RESULTS

DETECTED CONVENTIONAL PHYSICAL AND CHEMICAL PARAMETERS

PARAMETER	NYSDOH MCL (Highest Level Allowed)	EPA MCLG (Ideal Goal)	# SAMPLES	RANGE	AVERAGE	MCL VIOLATION	LIKELY SOURCES IN DRINKING WATER
Alkalinity (mg/L $CaCO_3$)	-		297	14 - 76	20	No	Erosion of natural deposits
Aluminum (µg/L)	50 - 200 (1)		300	8 - 40	13	No	Erosion of natural deposits
Barium (mg/L)	2	2	300	0.01 - 0.04	0.02	No	Erosion of natural deposits
Bromide (µg/L)	- (2)		8	8 - 35	20	No	Naturally occurring
Calcium (mg/L)	-		300	5 - 27	7	No	Erosion of natural deposits
Chloride (mg/L)	250		297	11- 75	17	No	Naturally occurring; road salt
Chlorine Residual, Free (mg/L)	4 (3)		14,855	0.0 - 1.2	0.6 (3)	No	Water additive for disinfection
Chromium (µg/L)	100		300	ND - 4	ND	No	Erosion of natural deposits
Color - distribution system (color units - apparent)	-		13,651	3 - 47	6	No	Presence of iron, manganese, and organics in water
Color - entry points (color units - apparent)	15 (4)		1,207	3 - 12	6	No	Presence of iron, manganese, and organics in water
Copper (mg/L)	1.3 (5)	1.3	300	ND - 0.052	0.007	No	Corrosion of household plumbing; erosion of natural deposits
Corrosivity (Langelier index)	- (6)		76	-2.76 to -1.96	-2.31	No	
Fluoride (mg/L)	2.2 (4)	4	1,930	0.4 - 0.8	0.7	No	Water additive which promotes strong teeth; erosion of natural deposits
Hardness (mg/L $CaCO_3$)	-		300	16 - 106	24	No	Erosion of natural deposits
Hardness (grains/gallon[US] $CaCO_3$) (7)	-		300	0.9 - 5.9	1.4	No	Erosion of natural deposits
Iron (µg/L)	300 (4) (8)		300	ND - 881 (8)	33	No	Naturally occurring
Lead (µg/L)	15 (5)	0	300	ND - 2 (9)	ND	No	Corrosion of household plumbing; erosion of natural deposits
Magnesium (mg/L)	-		300	1 - 9.3	1.7	No	Erosion of natural deposits

Continued on next page

DETECTED CONVENTIONAL PHYSICAL AND CHEMICAL PARAMETERS (continued)

PARAMETER	NYSDOH MCL (Highest Level Allowed)	EPA MCLG (Ideal Goal)	# SAMPLES	RANGE	AVERAGE	MCL VIOLATION	LIKELY SOURCES IN DRINKING WATER
Manganese (µg/L)	300 [4] [8]		300	ND - 38	18	No	Naturally occurring
Nickel (µg/L)	-		300	ND - 2 [9]	ND	No	Erosion of natural deposits
Nitrate (mg/L nitrogen)	10	10	297	0.04 - 0.17	0.10	No	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
pH (pH units)	6.8 - 8.2 [10]		14,854	6.9 - 8.0	7.4	No	
Phosphate, Ortho- (mg/L)	1-4 [10]		14,855	1.2 - 3.5	2.1	No	Water additive for corrosion control
Potassium (mg/L)	-		300	0.4 - 2.5	0.7	No	Erosion of natural deposits
Silica [silicon oxide] (mg/L)	-		200	1.8 - 5.2	2.5	No	Erosion of natural deposits
Sodium (mg/L)	NDL [4] [11]		300	9 - 44	12	No	Naturally occurring; road salt; water softeners; animal waste
Specific Conductance (µS/cm)	-		14,858	80 - 461	109	No	
Strontium (µg/L)	-		300	16 - 84	23	No	Erosion of natural deposits
Sulfate (mg/L)	250		297	3 - 19	4	No	Naturally occurring
Temperature (°F)	-		14,854	38 - 82	56	No	
Total Dissolved Solids (mg/L)	500 [1]		77	53 - 89	71	No	Metals and salts naturally occurring in the soil; organic matter
Total Organic Carbon (mg/L)	-		378	0.7 - 3.0	1.6	No	Organic matter naturally present in the environment
Total Organic Carbon - source water (mg/L)	- [2]		8	2.1 - 4.2	3.1	No	Organic matter naturally present in the environment
Turbidity [12] - distribution system (NTU)	5 [13]		13,651	ND - 9.2	0.8 [13]	No	Soil runoff
Turbidity [12] - source water (NTU)	5 [14]		-	-	1.3 [14]	No	Soil runoff
Turbidity [12] - filtered water (NTU)	TT [15]		-	-	0.07 [15]	No	Soil runoff
UV 254 (absorbance/cm)	-		307	0.009 - 0.073	0.029	No	Organic matter naturally present in the environment
Zinc (mg/L)	5 [4]		300	ND - 0.019	ND	No	Naturally occurring

Continued on next page

DETECTED ORGANIC PARAMETERS

PARAMETER	NYSDOH MCL (Highest Level Allowed)	EPA MCLG (Ideal Goal)	# SAMPLES	RANGE	AVERAGE	MCL VIOLATION	LIKELY SOURCES IN DRINKING WATER
Bis(2-Ethylhexy)phthalate (µg/L)	6		74	ND - 0.6 [9]	ND	No	Probable source is sample contamination from plastic gloves or air particulates
Bromochloroacetic Acid (µg/L)	50		293	ND - 4	1	No	By-product of drinking water chlorination
Bromodichloroacetic Acid (µg/L)	50 [2]		80	1 - 5	3	No	By-product of drinking water chlorination
t-Butyl alcohol	50		318	ND - D [16]	ND	No	Used in dyes, drugs, and explosives
Chlorodibromoacetic Acid (µg/L)	50 [2]		80	ND - 0.6	ND	No	By-product of drinking water chlorination
Dalapon (µg/L)	50		293	ND - 1.2	ND	No	By-product of drinking water chlorination
Haloacetic Acid 5 (HAA5) (µg/L)	60 [17]		293	4 - 72	51 [17]	No	By-product of drinking water chlorination
Haloacetic Acid Brominated (HAA6Br) (µg/L)	- [2]		80	2 - 9	4	No	By-product of drinking water chlorination
Haloacetic Acid 9 (HAA9) (µg/L)	- [2]		80	31 - 82	53	No	By-product of drinking water chlorination
Total Organic Halogen (µg/L)	-		56	157 - 227	187	No	By-product of drinking water chlorination
Total Trihalomethanes (TTHM) (µg/L)	80 [17]		300	7 - 75	51 [17]	No	By-product of drinking water chlorination

DETECTED MICROBIAL PARAMETERS

PARAMETER	NYSDOH MCL (Highest Level Allowed)	EPA MCLG (Ideal Goal)	# SAMPLES	RANGE	# SAMPLES POSITIVE	AVERAGE	HIGHEST MONTH % POSITIVE	MCL VIOLATION	LIKELY SOURCES IN DRINKING WATER
Total Coliform Bacteria (% of samples positive/month)	5%	0	9,806	-	33	-	1.1%	No	Naturally present in the environment
E. coli (MPN/100mL)	- [18]	0	9,806	-	0	-	0.0%	No	Animal fecal waste
Heterotrophic Plate Count (CFU/mL)	TT	-	8,571	ND - 95	92	ND	-	No	Naturally present in the environment

Continued on next page

LEAD AND COPPER RULE SAMPLING AT RESIDENTIAL WATER TAPS

PARAMETER	NYSDOH AL	EPA MCLG (Ideal Goal)	90% OF YOUR LEVELS WERE LESS THAN	RANGE	# SAMPLES EXCEEDING AL	Exceedance	LIKELY SOURCES IN DRINKING WATER
Copper (mg/L)	1.3	1.3	0.204	0.005 - 0.640	0 out of 411	No	Corrosion of household plumbing
Lead (µg/L)	15	0	11	ND - 120	28 out of 411	No	Corrosion of household plumbing

CRYPTOSPORIDIUM AND *GIARDIA* SAMPLING FROM SOURCE WATER LEAVING RESERVOIRS (19)

PARAMETER	RESERVOIR	# SAMPLES	# SAMPLES POSITIVE	RANGE	LIKELY SOURCES IN DRINKING WATER
Cryptosporidium (oocysts/50L)	Kensico	52	3	0 - 1	Animal fecal waste
	Hillview	52	2	0 - 1	
	Croton	4	0	0	
Giardia (cysts/50L)	Kensico	52	35	0 - 17	Animal fecal waste
	Hillview	52	17	0 - 5	
	Croton	4	3	0 - 8	

UNITS AND ABBREVIATIONS

$CaCO_3$ = calcium carbonate
CFU/mL = colony forming units per milliliter
/cm = per centimeter
D = detected parameter
°F = degrees Fahrenheit
µg/L = micrograms per liter (10^{-6} grams per liter)
µS/cm = microsiemens per centimeter
mg/L = milligrams per liter (10^{-3} grams per liter)
MPN/100mL = most probable number per 100 milliliters
ND = parameter is not detected
NDL = no designated limits
NTU = nephelometric turbidity units
/50L = per 50 liters

DEFINITIONS

Action Level (AL):
The concentration of a contaminant, which, if exceeded, triggers treatment or other requirements that a water system must follow.

Maximum Contaminant Level (MCL):
The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible, using the best available treatment technology.

Maximum Contaminant Level Goal (MCLG):
The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

Maximum Residual Disinfectant Level (MRDL):
The highest level of a disinfectant allowed in drinking water. The addition of a disinfectant is necessary for control of microbial contaminants.

Maximum Residual Disinfectant Level Goal (MRDLG):
The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contamination.

Treatment Technique (TT):
A required process intended to reduce the level of a contaminant in drinking water.

90th Percentile Value:
The values reported for lead and copper represent the 90th percentile. A percentile is a value on a scale of 100 that indicates the percent of a distribution that is equal to or below the value. The 90th percentile is equal to or greater than 90 percent of the lead and copper values detected at your water system.

NOT DETECTED PARAMETERS

Conventional Physical and Chemical Parameters:

Antimony, Arsenic, Asbestos, Beryllium, Cadmium, Cyanide, Gross alpha, Lithium, Mercury, Nitrite, Selenium, Silver, Thallium, Uranium

Principal Organic Contaminants:

Benzene, Bromobenzene, Bromochloromethane, Bromomethane, n-Butylbenzene, sec-Butylbenzene, tert-Butylbenzene, Carbon tetrachloride, Chlorobenzene, Chloroethane*, Chloromethane, 2-Chlorotoluene, 4-Chlorotoluene, Dibromomethane, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Dichlorodifluoromethane, 1,1-Dichloroethane, 1,2-Dichloroethane, 1,1-Dichloroethene, cis-1,2-Dichloroethylene, trans-1,2-Dichloroethylene, 1,2-Dichloropropane, 1,3-Dichloropropane, 2,2-Dichloropropane*, 1,1-Dichloropropene, cis-1,3-Dichloropropene, trans-1,3-Dichloropropene, total 1,3-Dichloropropene, Ethylbenzene, Hexachlorobutadiene, Isopropylbenzene, p-Isopropyltoluene, Methylene chloride, n-Propylbenzene, Styrene, 1,1,1,2-Tetrachloroethane, 1,1,2,2-Tetrachloroethane, Tetrachloroethylene, Toluene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,1,1-Trichloroethane, 1,1,2-Trichloroethane, Trichloroethene, Trichlorofluoromethane, 1,2,3-Trichloropropane, 1,3,5-Trimethylbenzene, m,p-Xylene, o-Xylene, total Xylene

Specified Organic Contaminants:

Alachlor, Aldicarb (Temik), Aldicarb sulfone, Aldicarb sulfoxide, Aldrin, Atrazine, Benzo(a)pyrene, Butachlor, Carbaryl, Carbofuran (Furadan), Chlordane, 2,4-D, 1,2-Dibromo-3-chloropropane, Di(2-ethylhexyl)adipate, Dicamba, Dieldrin, Dinoseb, 1,4-Dioxane, Diquat, Endothall, Endrin, Ethylene dibromide (EDB), Glyphosate, Heptachlor, Heptachlor epoxide, Hexachlorobenzene, 3-Hydroxycarbofuran, Lindane, Methomyl, Methoxychlor, Methyl-tertiary-butyl-ether (MTBE), Metolachlor, Metribuzin, Oxamyl (Vydate), Pentachlorophenol, Perfluorooctanesulfonic acid (PFOS), Perfluorooctanoic acid (PFOA), Picloram, Polychlorinated biphenyls (PCBs), PCB 1016 Aroclor, PCB 1221 Aroclor, PCB 1232 Aroclor, PCB 1242 Aroclor, PCB 1248 Aroclor, PCB 1254 Aroclor, PCB 1260 Aroclor, Propachlor, Simazine, 2,3,7,8-TCDD (Dioxin), Toxaphene, 2,4,5-TP (Silvex), Vinyl chloride

Unspecified Organic Contaminants:

Acenaphthene, Acenaphthylene, Acetochlor, Acetone, Acifluorfen, Allyl chloride, Ametryn, t-amyl ethyl ether, tert-Amyl methyl ether, Anthracene, Atraton, Bentazon, Benzo[a]anthracene, Benzo[b]fluoranthene, Benzo[g,h,i]perylene, Benzo[k]fluoranthene, beta-BHC, Bromacil, Bromoethane, 1,3-Butadiene, 2-Butanone (MEK), Butylate, Butylated hydroxytoluene (BHT), Butylbenzylphthalate, tert-Butyl ethyl ether, Caffeine, Carbon Disulfide, alpha-Chlordane, gamma-Chlordane, trans-Chlordane, Chlorfenvinphos, Chlorobenzilate, 2-Chlorobiphenyl, 4-Chlorobiphenyl, 1-Chlorobutane, Chlorodifluoromethane, Chloroneb, Chlorothalonil (Draconil,Bravo), Chlorpropham, Chlorpyrifos (Dursban), Chrysene, Cyanazine, Cycloate, 2,4-DB, DCPA (Dacthal), 2,4-DDD, 4,4'-DDD, 2,4-DDE, 4,4'-DDE, 2,4-DDT, 4,4'-DDT, DEET, Diazinon, Dibenz[a,h]anthracene, 3,5-Dichlorobenzoic acid, 2,4'-Dichlorobiphenyl, Dichlorprop, Dichlorvos (DDVP), Diethyl ether, Diethylphthalate, Di-isopropyl ether, Diisopropyl methylphosphonate, Dimethipin, Dimethoate, Dimethylphthalate, Di-n-Butylphthalate, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, Di-N-octylphthalate, Diphenamid, Disulfoton, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin aldehyde, Endrin Ketone, EPTC, Ethion, Ethoprop, Ethyl methacrylate, Etridiazole, Fenarimol, Fluoranthene, Fluorene, Fluridone, alpha-HCH, beta-HCH, delta-HCH, 2,2',3,4,4',5,5'-Heptachlorobiphenyl, 2,2',3,4,4',5'-Hexachlorobiphenyl, 2,2',3,4',5',6-Hexachlorobiphenyl, 2,2',4,4',5,5'-Hexachlorobiphenyl, Hexachloroethane, Hexachlorocyclopentadiene, Hexazinone, Indeno[1,2,3-cd]pyrene, Isophorone, Malathion, Methiocarb, Methyl acetate, Methyl iodide, Methyl parathion, 4-Methyl-2-pentanone (MIBK), Mevinphos, MGK264 - isomer a, MGK264 - isomer b, Molinate, Naphthalene, Napropamide, Nitrofen, cis-Nonachlor, trans-Nonachlor, Norflurzon, Oxyfluorfen, Paraquat, Parathion, Pebulate, Pendimethalin, 2,3,3',4',6-Pentachlorobiphenyl, 2,3',4,4',5-Pentachlorobiphenyl, Pentachloroethane, Perfluorobutanesulfonic acid, Perfluorodecanoic acid, Perfluorododecanoic acid, Perfluoroheptanoic acid, Perfluorohexanesulfonic acid, Perfluorohexanoic acid, Perfluorononanoic acid, Perfluorotetradecanoic acid, Perfluorotridecanoic acid, Perfluoroundecanoic acid, cis-Permethrin & trans-Permethrin, Permethrin (mixed isomers), Phenanthrene, Phorate, Phosphamidon, Profenofos, Prometon, Prometryn, Pronamide, Propazine, Propoxur (Baygon), Pyrene, Simetryn, 2,4,5-T, Tebuconazole, Tebuthiuron, Terbacil, Terbuthylazine, Terbutryn, 2,2',3,5'-Tetrachlorobiphenyl, 2,2',5,5'-Tetrachlorobiphenyl, 2,3',4',5-Tetrachlorobiphenyl, Tetrachlorovinphos, Tetrahydrofuran, Thiobencarb, Triademefon, Tribufos, 2,2',5-Trichlorobiphenyl, 2,4,4'-Trichlorobiphenyl, Trichlorotrifluoroethane(Freon 113), Trifluralin, 1,2,4-Trimethylbenzene, Vernolate, Vinclozolin

2020 MONITORING DATA FOOTNOTES

(1) EPA Secondary MCL: NYSDOH has not set an MCL for this parameter.

(2) Monitored for under the Fourth Unregulated Contaminant Monitoring Rule (UCMR4) in 2018 and 2019. UCMR4 included source water monitoring for bromide and total organic carbon; no MCL has been established for these parameters.

(3) Value represents MRDL, which is a level of disinfectant added for water treatment that may not be exceeded at the consumer's tap without an unacceptable possibility of adverse health effects. The MRDL is enforceable in the same manner as an MCL and is the calculated running annual average. Data presented are the range of individual sampling results and the highest of the four quarterly running annual averages.

(4) Determination of MCL violation: If a sample exceeds the MCL, a second sample must be collected from the same location within two weeks, or as soon as practical. If the average of the two results exceeds the MCL, then an MCL violation has occurred.

(5) Action Level (not an MCL) measured at-the-tap. The data presented in this table were collected from sampling stations at the street curb. For at-the-tap monitoring, see the Lead and Copper Rule Sampling at Residential Water Taps table.

(6) A Langelier Index of less than zero indicates corrosive tendencies.

(7) Hardness of up to 3 grains per gallon is considered soft water; between 3 and 9 is moderately hard water.

(8) If iron and manganese are present, the total concentration of both should not exceed 500 µg/L. One exceedance of the iron MCL occurred at site 30150 (East Village, 10009) on 7/7/20 following an emergency shutdown of the water main.

(9) Only detected in one sample: lead was detected at site 11750 (City Island, 10464) on 6/2/20, nickel was detected at site 22950 (Clinton Hill, 11205) on 7/7/20, and Bis(2-Ethylhexy)phthalate was detected at site 1SCL1 (Van Cortlandt Village, 10463) on 11/17/20 at the method reporting limit. In all other samples the parameter was not detected.

(10) NYSDOH established Optimal Water Quality Parameters (OWQP) under the Lead and Copper Rule which includes a range for pH and ortho-phosphate which are presented here. The reported average value for pH is the median value.

(11) Water containing more than 20 mg/L of sodium should not be used for drinking by people on severely restricted sodium diets. Water containing more than 270 mg/L of sodium should not be used for drinking by people on moderately restricted sodium diets.

(12) Turbidity is a measure of cloudiness of the water. Turbidity is monitored because it is a good indicator of water quality, because high turbidity can hinder the effectiveness of disinfection, and because it is a good indicator of the effectiveness of our filtration system.

(13) This MCL for turbidity is the monthly average rounded off to the nearest whole number. Data presented are the range of individual sampling results and the highest monthly average from distribution sites.

(14) This MCL for turbidity is on individual readings taken every four hours at the unfiltered Catskill/Delaware source water entry point. Value presented is the highest individual sampling result.

(15) This is a Treatment Technique performance standard for the Croton Filtration Plant. The value presented is the highest single combined filter effluent turbidity measurement which occurred on 11/25/20. In 2020, 100% of turbidity results were <0.3 NTU.

(16) Results for t-Butyl alcohol are only reported as detected (D) or not detected (ND).

(17) The MCLs for HAA5 and TTHMs are the calculated locational running annual average. The data in the Range column are the minimum and maximum values of all sample sites monitored in the distribution system whether for compliance purposes or not. The values in the Average column are the highest locational running annual averages under the Stage 2 Disinfectant and Disinfection By-Products Rule.

(18) If a sample and its repeat sample are both positive for coliform bacteria and one of the two samples is positive for *E. coli*, then an MCL violation has occurred.

(19) Samples are collected prior to final disinfection or filtration. Positive results indicate (oo)cyst detection, not viability or infectivity.

* Chloroethane and 2,2-Dichloropropane were incorrectly reported as having been monitored for in 2015 to 2019 in those year's reports. Monitoring for these two parameters, prior to 2020, last occurred in 2014 when they were not detected.

HILLVIEW RESERVOIR CONSENT JUDGEMENT

The Hillview Reservoir is the final stop for drinking water from the Catskill/Delaware System before it enters the city's distribution system. The City and DEP entered into a Consent Decree and Judgement with the United States and New York State, effective May 15, 2019, which sets forth a schedule of compliance for the City to cover the Hillview Reservoir as required by the Long Term 2 Enhanced Surface Water Treatment Rule (40 C.F.R §141.714). DEP and the City timely complied with all scheduled commitments due under the Decree in 2020.

ADDITIONAL INFORMATION

PUBLIC WATER SYSTEM IDENTIFICATION NUMBER

(PWSID) NY7003493

NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION

Commissioner Vincent Sapienza, P.E. // 718-595-3000 // nyc.gov/dep
59-17 Junction Blvd, Flushing, NY 11373.

NEW YORK CITY WATER BOARD

Visit nyc.gov/waterboard for a list of upcoming meetings and information about opportunities to participate in decisions that affect water quality.

CONTAMINANTS QUESTIONS

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the EPA's Safe Drinking Water Hotline at 1-800-426-4791.

CRYPTOSPORIDIUM AND *GIARDIA* QUESTIONS

DOHMH Bureau of Communicable Diseases // 347-396-2600

CUSTOMER BILLING QUESTIONS

DEP Customer Service // 718-595-7000 // nyc.gov/dep

LEAD IN DRINKING WATER QUESTIONS

DEP Lead Unit // 718-595-5364 // nyc.gov/dep/leadindrinkingwater

HEALTH QUESTIONS (WATER SUPPLY-RELATED)

DOHMH // Call 311 or 212-NEW YORK (639-9675) // nyc.gov/apps/311
NYSDOH Bureau of Water Supply Protection // 518-402-7650 // health.ny.gov

REPORT UNUSUAL COLOR, TASTE OR ODOR OF DRINKING WATER

Call 311 or 212-NEW YORK (639-9675) // nyc.gov/apps/311

REPORT POLLUTION, CRIME, OR TERRORISM IN THE WATERSHED

DEP Police and Security // 888-H2O-SHED (426-7433) // nyc.gov/dep

REQUEST ADDITIONAL COPIES OF THIS REPORT OR VIEW REPORT ONLINE

Call 311 or 212-NEW YORK (639-9675) // nyc.gov/waterqualityreport

TTY SERVICES

Call 212-504-4115



This report contains important information about your drinking water. Translate it, or speak with someone who understands it.

Este reporte contiene información muy importante sobre el agua que usted toma. Haga que se la traduzcan o hable con alguien que la entienda.

Ce rapport contient des informations importantes sur votre eau potable. Traduisez-le ou parlez en avec quelqu'un qui le comprend bien.

Rapò sa a gen enfòmasyon ki enpòtan anpil sou dlo w'ap bwè a. Fè tradwi-l pou ou, oswa pale ak yon moun ki konprann sa ki ekri ladan-l.

Ten raport zawiera bardzo istotną informacje o twojej wodzie pitnej. Przetłumacz go albo porozmawiaj z kimś kto go rozumie.

В этом материале содержится важная информация относительно вашей питьевой воды. Переведите его или поговорите с кем-нибудь из тех, кто понимает его содержание.

這個報告中包含有關你的飲用水的重要信息。請將此報告翻譯成你的語言，或者詢問懂得這份報告的人。

이 보고서는 귀하의 식수에 관한 매우 중요한 정보를 포함하고 있습니다. 이 정보에 대해 이해하는 사람에게 그 정보를 번역하거나 통역해 받으십시오.

এই প্রতিবেদনে আপনার পানীয় জল সম্পর্কে গুরুত্বপূর্ণ তথ্য রয়েছে

يتضمن هذا التقرير معلومات هامة حول مياه الشرب الخاصة بك. ترجمه أو تحدث مع شخص يفهمه.

یہ رپورٹ آپ کے پینے کے پانی کے بارے میں اہم معلومات پر مشتمل ہے۔ اس کا ترجمہ کریں یا انسے بات کریں جو یہ رپورٹ سمجھتے ہیں۔

NYC Environmental Protection

Menu

Environmental Protection

Search
Drinking WaterWastewaterStormwaterNYC Waterways
Select

- Water Supply
- Water Service Disruptions
- Water Monitoring
- Water Conservation

Groundwater Supply System


NEW YORK CITY
WATER TUNNELS AND
DISTRIBUTION AREAS
Hudson River
Hillview Reservoir
Jerome Park Reservoir
NY City Line
Long Island Sound
Hutchinson River Parkway
Hutchinson River Extension
Hutchinson River
Hutchinson River Extension
Hutchinson River Parkway

There have been no wells in operation since 2007.

NOAA Atlas 14, Volume 10, Version 3
Location name: Brooklyn, New York, USA*
Latitude: 40.579°, Longitude: -73.9885°
Elevation: 0 ft**
* source: ESRI Maps
** source: USGS

POINT PRECIPITATION FREQUENCY ESTIMATES

Sanja Perica, Sandra Pavlovic, Michael St. Laurent, Carl Trypaluk, Dale Unruh, Orlan Wilhite

NOAA, National Weather Service, Silver Spring, Maryland

PF_tabular | PF_graphical | Maps_&_aerials

PF tabular

PDS-based point precipitation frequency estimates with 90% confidence intervals (in inches)[1]

Duration	Average recurrence interval (years)									
	1	2	5	10	25	50	100	200	500	1000
5-min	**0.370** (0.289-0.472)	**0.442** (0.344-0.564)	**0.559** (0.433-0.715)	**0.656** (0.506-0.844)	**0.789** (0.589-1.05)	**0.889** (0.650-1.21)	**0.994** (0.707-1.40)	**1.11** (0.749-1.59)	**1.28** (0.830-1.89)	**1.42** (0.899-2.13)
10-min	**0.525** (0.409-0.669)	**0.626** (0.487-0.799)	**0.791** (0.614-1.01)	**0.928** (0.715-1.19)	**1.12** (0.834-1.49)	**1.26** (0.922-1.71)	**1.41** (1.00-1.98)	**1.58** (1.06-2.26)	**1.82** (1.18-2.68)	**2.01** (1.27-3.03)
15-min	**0.617** (0.481-0.787)	**0.736** (0.573-0.940)	**0.931** (0.722-1.19)	**1.09** (0.842-1.41)	**1.32** (0.982-1.76)	**1.48** (1.08-2.02)	**1.66** (1.18-2.33)	**1.85** (1.25-2.66)	**2.13** (1.38-3.15)	**2.37** (1.50-3.56)
30-min	**0.865** (0.674-1.10)	**1.03** (0.802-1.32)	**1.30** (1.01-1.67)	**1.53** (1.18-1.96)	**1.84** (1.37-2.45)	**2.07** (1.51-2.82)	**2.31** (1.64-3.25)	**2.59** (1.74-3.71)	**2.98** (1.93-4.40)	**3.30** (2.09-4.97)
60-min	**1.11** (0.866-1.42)	**1.33** (1.03-1.69)	**1.67** (1.30-2.14)	**1.96** (1.51-2.52)	**2.36** (1.76-3.15)	**2.66** (1.94-3.62)	**2.97** (2.11-4.18)	**3.32** (2.24-4.76)	**3.83** (2.48-5.65)	**4.24** (2.68-6.37)
2-hr	**1.44** (1.13-1.82)	**1.70** (1.34-2.15)	**2.13** (1.67-2.70)	**2.48** (1.93-3.17)	**2.97** (2.24-3.95)	**3.33** (2.47-4.52)	**3.72** (2.68-5.24)	**4.19** (2.83-5.96)	**4.89** (3.18-7.18)	**5.49** (3.48-8.20)
3-hr	**1.66** (1.31-2.08)	**1.95** (1.54-2.46)	**2.44** (1.92-3.08)	**2.85** (2.23-3.61)	**3.41** (2.58-4.51)	**3.82** (2.84-5.17)	**4.27** (3.09-6.01)	**4.82** (3.27-6.83)	**5.66** (3.69-8.28)	**6.39** (4.07-9.52)
6-hr	**2.04** (1.63-2.54)	**2.43** (1.94-3.04)	**3.08** (2.44-3.85)	**3.61** (2.85-4.54)	**4.35** (3.32-5.72)	**4.89** (3.66-6.58)	**5.48** (4.00-7.67)	**6.21** (4.23-8.75)	**7.35** (4.80-10.7)	**8.34** (5.32-12.3)
12-hr	**2.43** (1.96-3.01)	**2.96** (2.38-3.67)	**3.82** (3.06-4.75)	**4.54** (3.61-5.66)	**5.52** (4.25-7.21)	**6.25** (4.72-8.34)	**7.04** (5.17-9.78)	**8.00** (5.47-11.2)	**9.48** (6.22-13.7)	**10.7** (6.87-15.8)
24-hr	**2.79** (2.26-3.41)	**3.44** (2.79-4.22)	**4.51** (3.64-5.55)	**5.39** (4.32-6.67)	**6.61** (5.12-8.56)	**7.52** (5.70-9.95)	**8.49** (6.26-11.7)	**9.67** (6.64-13.4)	**11.4** (7.53-16.4)	**13.0** (8.32-18.9)
2-day	**3.09** (2.53-3.76)	**3.82** (3.13-4.65)	**5.02** (4.09-6.12)	**6.01** (4.86-7.37)	**7.37** (5.76-9.47)	**8.38** (6.41-11.0)	**9.47** (7.03-12.9)	**10.8** (7.45-14.9)	**12.8** (8.45-18.2)	**14.5** (9.33-21.0)
3-day	**3.34** (2.75-4.04)	**4.11** (3.38-4.97)	**5.36** (4.39-6.50)	**6.40** (5.20-7.80)	**7.83** (6.14-10.0)	**8.88** (6.82-11.6)	**10.0** (7.46-13.6)	**11.4** (7.90-15.7)	**13.5** (8.94-19.1)	**15.3** (9.85-22.0)
4-day	**3.57** (2.95-4.30)	**4.36** (3.60-5.25)	**5.65** (4.64-6.83)	**6.72** (5.48-8.16)	**8.19** (6.44-10.4)	**9.28** (7.14-12.1)	**10.5** (7.79-14.2)	**11.9** (8.24-16.2)	**14.0** (9.29-19.8)	**15.8** (10.2-22.8)
7-day	**4.19** (3.49-5.01)	**5.02** (4.18-6.01)	**6.39** (5.29-7.67)	**7.52** (6.18-9.07)	**9.07** (7.18-11.4)	**10.2** (7.91-13.2)	**11.5** (8.57-15.4)	**12.9** (9.01-17.6)	**15.1** (10.0-21.2)	**16.9** (11.0-24.2)
10-day	**4.82** (4.03-5.74)	**5.69** (4.75-6.78)	**7.11** (5.91-8.50)	**8.29** (6.85-9.96)	**9.91** (7.87-12.4)	**11.1** (8.61-14.2)	**12.4** (9.27-16.5)	**13.9** (9.70-18.8)	**16.0** (10.7-22.4)	**17.8** (11.5-25.4)
20-day	**6.84** (5.78-8.07)	**7.80** (6.58-9.21)	**9.36** (7.86-11.1)	**10.7** (8.88-12.7)	**12.4** (9.94-15.4)	**13.8** (10.7-17.4)	**15.2** (11.3-19.8)	**16.7** (11.7-22.4)	**18.8** (12.6-26.0)	**20.4** (13.3-28.9)
30-day	**8.53** (7.24-10.0)	**9.55** (8.09-11.2)	**11.2** (9.47-13.2)	**12.6** (10.6-14.9)	**14.5** (11.6-17.8)	**16.0** (12.5-20.0)	**17.4** (13.0-22.5)	**18.9** (13.4-25.3)	**20.9** (14.1-28.9)	**22.4** (14.6-31.7)
45-day	**10.6** (9.04-12.4)	**11.7** (9.96-13.6)	**13.5** (11.4-15.8)	**14.9** (12.6-17.6)	**17.0** (13.7-20.7)	**18.6** (14.5-23.0)	**20.1** (15.0-25.7)	**21.6** (15.3-28.7)	**23.5** (15.9-32.3)	**24.9** (16.2-35.0)
60-day	**12.3** (10.5-14.3)	**13.4** (11.5-15.6)	**15.3** (13.0-17.9)	**16.9** (14.3-19.8)	**19.0** (15.4-23.0)	**20.7** (16.2-25.5)	**22.3** (16.7-28.3)	**23.8** (16.9-31.4)	**25.6** (17.3-35.1)	**26.9** (17.6-37.6)

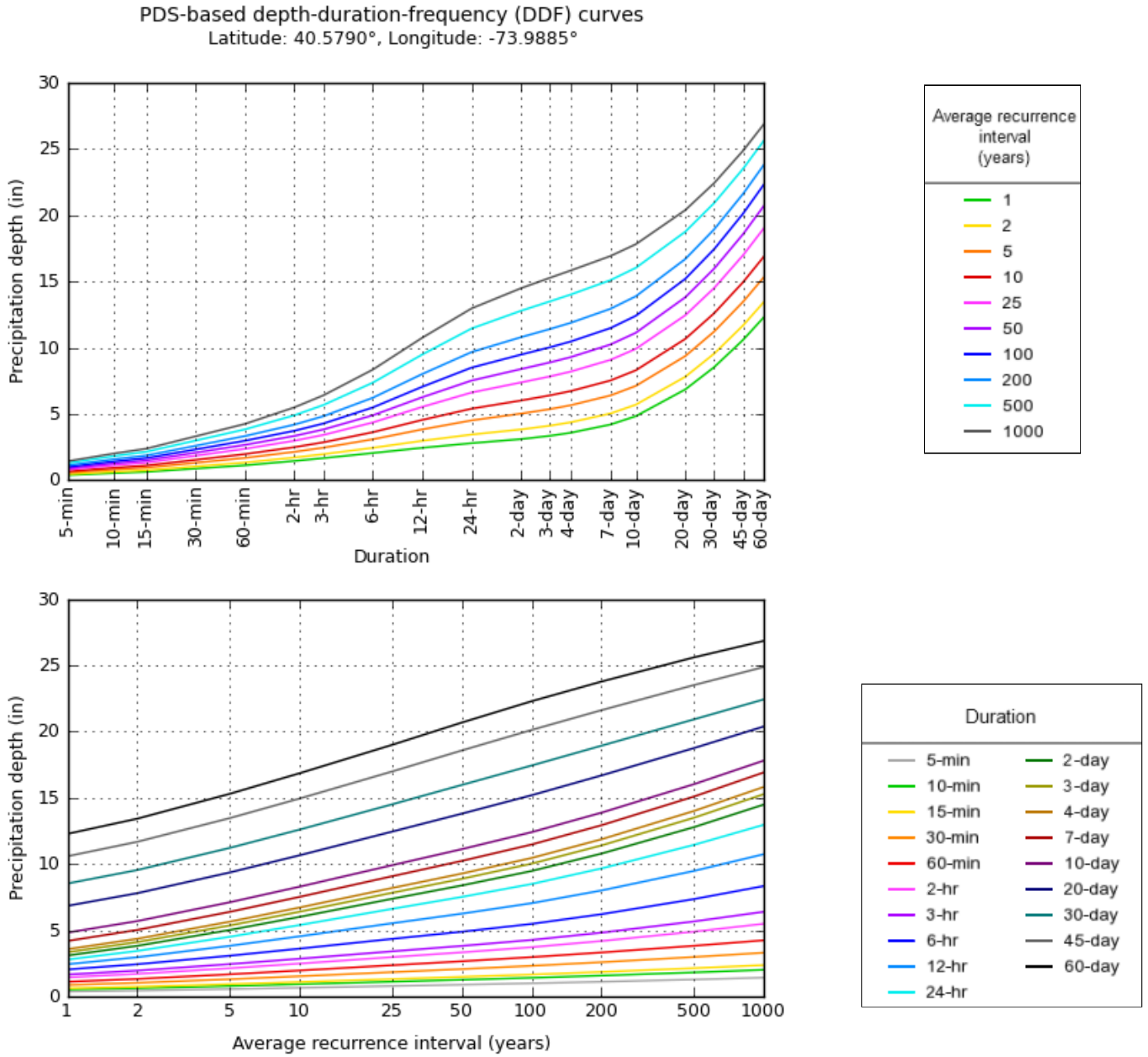
[1] Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS).

Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values.

Please refer to NOAA Atlas 14 document for more information.

Back to Top

PF graphical



NOAA Atlas 14, Volume 10, Version 3

Created (GMT): Thu Jul 22 13:10:07 2021

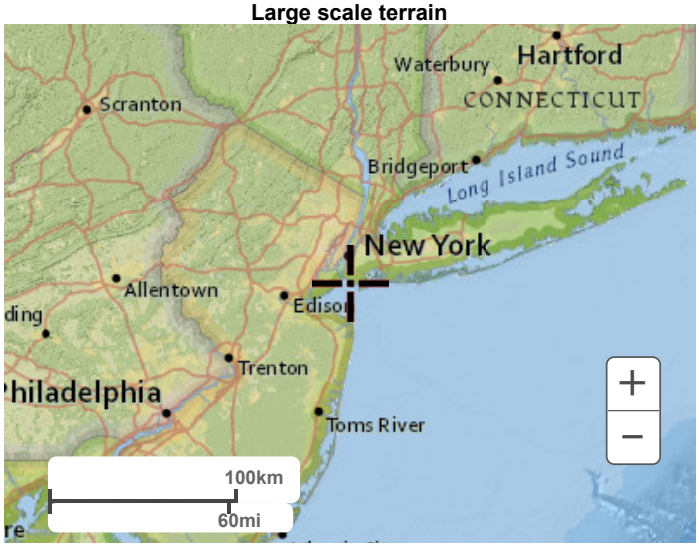
Back to Top

Maps & aerials

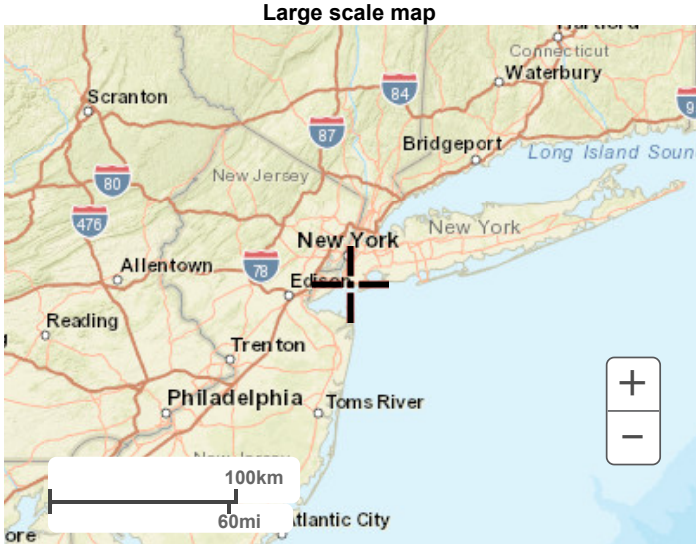
Small scale terrain



Large scale terrain



Large scale map



Large scale aerial

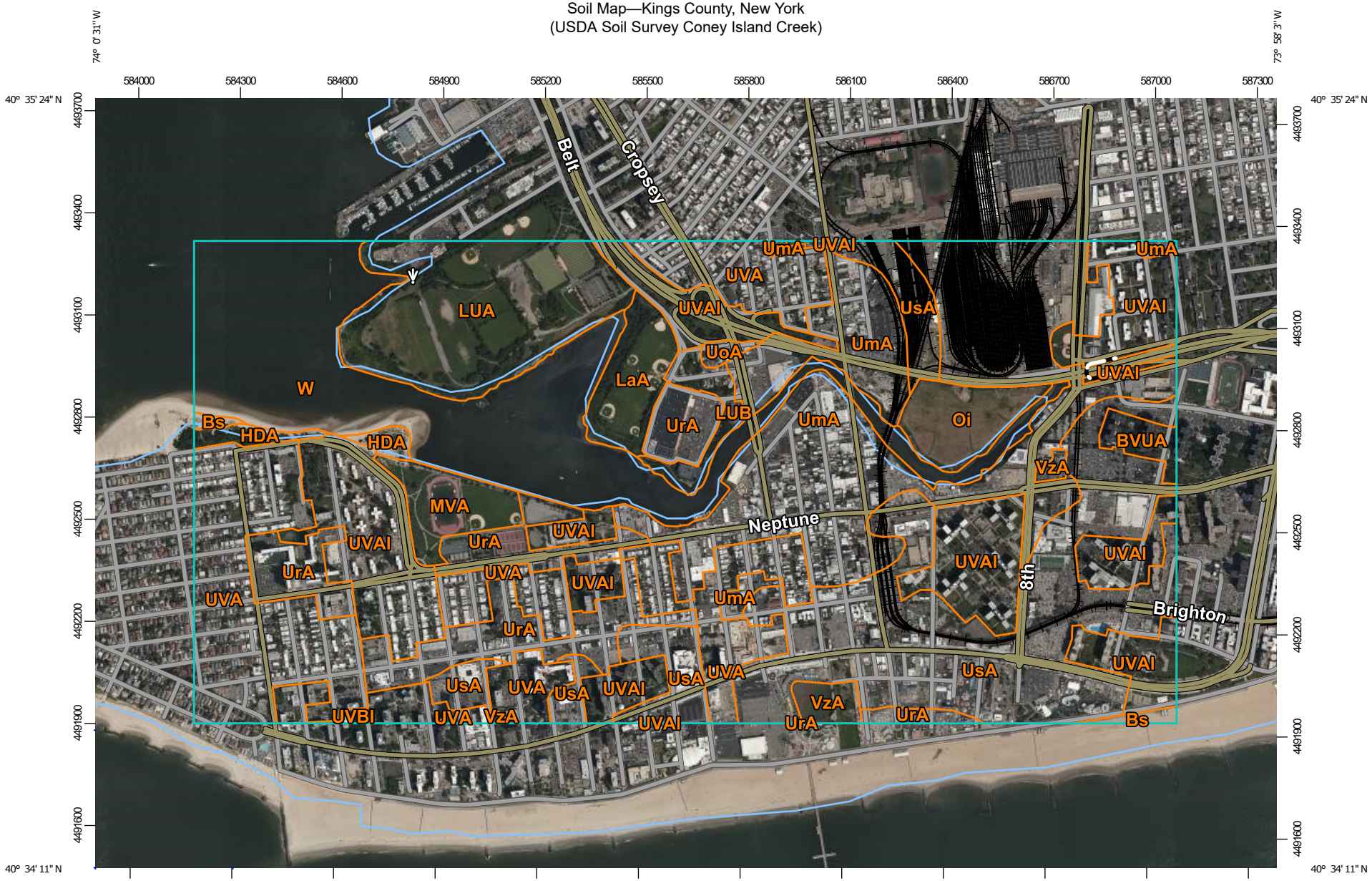


Back to Top

US Department of Commerce
National Oceanic and Atmospheric Administration
National Weather Service
National Water Center
1325 East West Highway
Silver Spring, MD 20910
Questions?: HDSC.Questions@noaa.gov

Disclaimer

Soil Map—Kings County, New York
(USDA Soil Survey Coney Island Creek)



Map Scale: 1:15,900 if printed on A landscape (11" x 8.5") sheet.

N

Meters
0 200 400 800 1200

Feet
0 500 1000 2000 3000

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 18N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:12,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Kings County, New York
Survey Area Data: Version 10, Jun 11, 2020

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Data not available.

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
Bs	Beaches, sand	3.0	0.3%
BVUA	Bigapple-Verrazano-Urban land complex, 0 to 3 percent slopes	6.6	0.6%
HDA	Hooksan-Dune land complex, 0 to 3 percent slopes	6.9	0.7%
LaA	Laguardia artifactual coarse sandy loam, 0 to 3 percent slopes	18.6	1.8%
LUA	Laguardia-Urban land complex, 0 to 3 percent slopes	72.1	7.1%
LUB	Laguardia-Urban land complex, 3 to 8 percent slopes	9.7	1.0%
MVA	Marinepark-Verrazano complex, 0 to 3 percent slopes	16.7	1.6%
Oi	Oil-waste land	18.1	1.8%
UmA	Urban land, tidal marsh substratum, 0 to 3 percent slopes	174.7	17.1%
UoA	Urban land, outwash substratum, 0 to 3 percent slopes	2.1	0.2%
UrA	Urban land, reclaimed substratum, 0 to 3 percent slopes	70.4	6.9%
UsA	Urban land, sandy substratum, 0 to 3 percent slopes	168.7	16.5%
UVA	Urban land-Verrazano complex, 0 to 3 percent slopes	143.1	14.0%
UVAl	Urban land-Verrazano complex, 0 to 3 percent slopes, low impervious surface	144.7	14.2%
UVBl	Urban land-Verrazano complex, 3 to 8 percent slopes, low impervious surface	10.2	1.0%
VzA	Verrazano sandy loam, 0 to 3 percent slopes	8.4	0.8%
W	Water	145.4	14.3%
Totals for Area of Interest		**1,019.7**	**100.0%**

National Flood Hazard Layer FIRMette

FEMA

73°59'37"W 40°34'58"N



73°59'W 40°34'31"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 / 17.5 Cross Sections with 1% Annual Chance / Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 7/26/2021 at 10:40 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 2 Laboratory
2890 Woodbridge Avenue
Edison , New Jersey 08837
732-906-6886 Phone
732-906-6165 Fax

July 02, 2021

Denise Driscoll
Weston Solutions Inc.
1090 King Georges Post Road, Suite 201
Edison, NJ 08837

RE: Coney Island Creek - 2104014

Enclosed are the results of analyses for samples received by the laboratory between 4/22/2021 and 4/28/2021. The signature below reflects the laboratory's approval of the reported results. If you have any questions concerning this report, please refer to Project Number 2104014 and contact the laboratory.

Sincerely,

Gregory J. Santacroce
Acting Chief, LSASD/LB

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 2 Laboratory

Final Report

Project: Coney Island Creek - 2104014

Project Number: 2104014

Project Narrative:

The National Environmental Laboratory Accreditation Conference Institute (TNI) is a voluntary environmental laboratory accreditation association of State and Federal agencies. TNI established and promoted a National Environmental Laboratory Accreditation Program (NELAP) that provides a uniform set of standards for the generation of environmental data that are of known and defensible quality. The EPA Region 2 Laboratory is NELAP accredited. The Laboratory tests that are accredited have met all the requirements established under the TNI Standards.

Condition Comments

None

Comment(s):

The "Sample Analysis Date and Time" is included in the results section for any analyte with a prescribed holding time of 72 hours or less.

Data Qualifier(s):

U- The analyte was not detected at or above the Reporting Limit.
J- The identification of the analyte is acceptable; the reported value is an estimate.
K- The identification of the analyte is acceptable; the reported value may be biased high.
L- The identification of the analyte is acceptable; the reported value may be biased low.
NJ- There is presumptive evidence that the analyte is present; the analyte is reported as a tentative identification. The reported value is an estimate.

Reporting Limit(s):

The Laboratory was able to achieve the appropriate limit for each analyte requested.

Final Report

Project: Coney Island Creek - 2104014

Project Number: 2104014

SUMMARY REPORT FOR SAMPLES

Field ID	Laboratory ID	Matrix	Date Sampled	Date Received
6100-SED01A	2104014-01	Solid	04/19/2021 08:45	04/22/2021 09:20
6100-SED01B	2104014-02	Solid	04/19/2021 09:05	04/22/2021 09:20
6100-SED01C	2104014-03	Solid	04/19/2021 09:15	04/22/2021 09:20
6100-SED02A	2104014-04	Solid	04/19/2021 09:40	04/22/2021 09:20
6100-SED02B	2104014-05	Solid	04/19/2021 09:55	04/22/2021 09:20
6100-SED02C	2104014-06	Solid	04/19/2021 10:10	04/22/2021 09:20
6100-SED03A	2104014-07	Solid	04/19/2021 11:10	04/22/2021 09:20
6100-SED03B	2104014-08	Solid	04/19/2021 11:25	04/22/2021 09:20
6100-SED03C	2104014-09	Solid	04/19/2021 11:35	04/22/2021 09:20
6100-SED04A	2104014-10	Solid	04/19/2021 12:15	04/22/2021 09:20
6100-SED04B	2104014-11	Solid	04/19/2021 12:30	04/22/2021 09:20
6100-SED04C	2104014-12	Solid	04/19/2021 12:40	04/22/2021 09:20
6100-SED05A	2104014-13	Solid	04/19/2021 13:20	04/22/2021 09:20
6100-SED05B	2104014-14	Solid	04/19/2021 13:35	04/22/2021 09:20
6100-SED05C	2104014-15	Solid	04/19/2021 13:45	04/22/2021 09:20
6100-SED06A	2104014-16	Solid	04/20/2021 14:10	04/22/2021 09:20
6100-SED06B	2104014-17	Solid	04/20/2021 14:20	04/22/2021 09:20
6100-SED06C	2104014-18	Solid	04/20/2021 14:30	04/22/2021 09:20
6100-SED21A	2104014-19	Solid	04/15/2021 11:20	04/22/2021 09:20
6100-SED22A	2104014-20	Solid	04/20/2021 12:50	04/22/2021 09:20
6100-SED22B	2104014-21	Solid	04/20/2021 13:05	04/22/2021 09:20
6100-SED22C	2104014-22	Solid	04/20/2021 13:15	04/22/2021 09:20
6100-SED23A	2104014-23	Solid	04/20/2021 12:00	04/22/2021 09:20
6100-SED23B	2104014-24	Solid	04/20/2021 12:15	04/22/2021 09:20
6100-SED23C	2104014-25	Solid	04/20/2021 12:25	04/22/2021 09:20
6100-SED24A	2104014-26	Solid	04/20/2021 10:55	04/22/2021 09:20
6100-SED24B	2104014-27	Solid	04/20/2021 11:10	04/22/2021 09:20
6100-SED24C	2104014-28	Solid	04/20/2021 11:20	04/22/2021 09:20

Final Report

Project: Coney Island Creek - 2104014

Project Number: 2104014

SUMMARY REPORT FOR SAMPLES

Field ID	Laboratory ID	Matrix	Date Sampled	Date Received
6100-SED25A	2104014-29	Solid	04/20/2021 09:25	04/22/2021 09:20
6100-SED25B	2104014-30	Solid	04/20/2021 10:05	04/22/2021 09:20
6100-SED25C	2104014-31	Solid	04/20/2021 10:20	04/22/2021 09:20
6100-SED26A	2104014-32	Solid	04/20/2021 09:30	04/22/2021 09:20
6100-SED07A	2104048-01	Solid	04/26/2021 08:55	04/28/2021 10:30
6100-SED07B	2104048-02	Solid	04/26/2021 09:05	04/28/2021 10:30
6100-SED07C	2104048-03	Solid	04/26/2021 09:15	04/28/2021 10:30
6100-SED08A	2104048-04	Solid	04/23/2021 11:00	04/28/2021 10:30
6100-SED08B	2104048-05	Solid	04/23/2021 11:10	04/28/2021 10:30
6100-SED08C	2104048-06	Solid	04/23/2021 11:20	04/28/2021 10:30
6100-SED09A	2104048-07	Solid	04/23/2021 09:15	04/28/2021 10:30
6100-SED09B	2104048-08	Solid	04/23/2021 09:30	04/28/2021 10:30
6100-SED09C	2104048-09	Solid	04/23/2021 09:40	04/28/2021 10:30
6100-SED10A	2104048-10	Solid	04/26/2021 10:20	04/28/2021 10:30
6100-SED10B	2104048-11	Solid	04/26/2021 10:30	04/28/2021 10:30
6100-SED10C	2104048-12	Solid	04/26/2021 10:40	04/28/2021 10:30
6100-SED11A	2104048-13	Solid	04/26/2021 11:10	04/28/2021 10:30
6100-SED11B	2104048-14	Solid	04/26/2021 11:20	04/28/2021 10:30
6100-SED11C	2104048-15	Solid	04/26/2021 11:30	04/28/2021 10:30
6100-SED12A	2104048-16	Solid	04/26/2021 12:15	04/28/2021 10:30
6100-SED12B	2104048-17	Solid	04/26/2021 12:25	04/28/2021 10:30
6100-SED13A	2104048-18	Solid	04/26/2021 13:00	04/28/2021 10:30
6100-SED13B	2104048-19	Solid	04/26/2021 13:10	04/28/2021 10:30
6100-SED13C	2104048-20	Solid	04/26/2021 13:20	04/28/2021 10:30
6100-SED14A	2104048-21	Solid	04/27/2021 11:10	04/28/2021 10:30
6100-SED15A	2104048-22	Solid	04/27/2021 11:45	04/28/2021 10:30
6100-SED16A	2104048-23	Solid	04/27/2021 14:00	04/28/2021 10:30
6100-SED17A	2104048-24	Solid	04/27/2021 13:45	04/28/2021 10:30
6100-SED18A	2104048-25	Solid	04/27/2021 13:30	04/28/2021 10:30

NOTE: The results recorded in this report relate only to the samples as received on the date and at the time noted

Final Report

Project: Coney Island Creek - 2104014

Project Number: 2104014

SUMMARY REPORT FOR SAMPLES

Field ID	Laboratory ID	Matrix	Date Sampled	Date Received
6100-SED19A	2104048-26	Solid	04/27/2021 13:15	04/28/2021 10:30
6100-SED20A	2104048-27	Solid	04/27/2021 13:00	04/28/2021 10:30
6100-SED26B	2104048-28	Solid	04/23/2021 09:35	04/28/2021 10:30
6100-SED27A	2104048-29	Solid	04/27/2021 11:50	04/28/2021 10:30
6100-SED15B	2104048-30	Solid	04/27/2021 11:55	04/28/2021 10:30

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 2 Laboratory

Final Report

Project: Coney Island Creek - 2104014

Project Number: 2104014

SUMMARY REPORT FOR METHODS

Analysis	Method	Certification	Matrix
E-Grainsize, Mod. Pipet (Bucket)	Folk 1974 SOP C-136 Rev 2.1		Solid

Final Report

Project: Coney Island Creek - 2104014

Project Number: 2104014

Analyte	Result	Qualifier	Reporting Limit	Units	Batch	Date and Time of Analysis*
Field ID: 6100-SED01A CLP No. BG558				**Sample ID: 2104014-01**		
Grain Size						
% Sand >0.0625 mm	98.4		0.100	% by Weight	B106033	
%Silt + % Clay/Colloids (%Total Fines)	1.60		0.100	% by Weight	B106033	
Field ID: 6100-SED01B CLP No. BG559				**Sample ID: 2104014-02**		
Grain Size						
% Sand >0.0625 mm	98.3		0.100	% by Weight	B106033	
%Silt + % Clay/Colloids (%Total Fines)	1.70		0.100	% by Weight	B106033	
Field ID: 6100-SED01C CLP No. BG560				**Sample ID: 2104014-03**		
Grain Size						
% Sand >0.0625 mm	98.2		0.100	% by Weight	B106033	
%Silt + % Clay/Colloids (%Total Fines)	1.80		0.100	% by Weight	B106033	
Field ID: 6100-SED02A CLP No. BG561				**Sample ID: 2104014-04**		
Grain Size						
% Sand >0.0625 mm	5.30		0.100	% by Weight	B106033	
%Silt + % Clay/Colloids (%Total Fines)	94.7		0.100	% by Weight	B106033	
Field ID: 6100-SED02B CLP No. BG562				**Sample ID: 2104014-05**		
Grain Size						
% Sand >0.0625 mm	49.6		0.100	% by Weight	B106033	
%Silt + % Clay/Colloids (%Total Fines)	50.4		0.100	% by Weight	B106033	
Field ID: 6100-SED02C CLP No. BG563				**Sample ID: 2104014-06**		
Grain Size						
% Sand >0.0625 mm	93.6		0.100	% by Weight	B106033	

Final Report

Project: Coney Island Creek - 2104014

Project Number: 2104014

Analyte	Result	Qualifier	Reporting Limit	Units	Batch	Date and Time of Analysis*
Field ID: 6100-SED02C CLP No. BG563				**Sample ID: 2104014-06**		
Grain Size						
%Silt + % Clay/Colloids (%Total Fines)	6.40		0.100	% by Weight	B106033	
Field ID: 6100-SED03A CLP No. BG564				**Sample ID: 2104014-07**		
Grain Size						
% Sand >0.0625 mm	3.50		0.100	% by Weight	B106033	
%Silt + % Clay/Colloids (%Total Fines)	96.5		0.100	% by Weight	B106033	
Field ID: 6100-SED03B CLP No. BG565				**Sample ID: 2104014-08**		
Grain Size						
% Sand >0.0625 mm	31.0		0.100	% by Weight	B106033	
%Silt + % Clay/Colloids (%Total Fines)	69.0		0.100	% by Weight	B106033	
Field ID: 6100-SED03C CLP No. BG566				**Sample ID: 2104014-09**		
Grain Size						
% Sand >0.0625 mm	4.50		0.100	% by Weight	B106059	
%Silt + % Clay/Colloids (%Total Fines)	95.5		0.100	% by Weight	B106059	
Field ID: 6100-SED04A CLP No. BG567				**Sample ID: 2104014-10**		
Grain Size						
% Sand >0.0625 mm	94.2		0.100	% by Weight	B106059	
%Silt + % Clay/Colloids (%Total Fines)	5.80		0.100	% by Weight	B106059	
Field ID: 6100-SED04B CLP No. BG568				**Sample ID: 2104014-11**		
Grain Size						
% Sand >0.0625 mm	61.9		0.100	% by Weight	B106059	
%Silt + % Clay/Colloids (%Total Fines)	38.1		0.100	% by Weight	B106059	

Analyte	Result	Qualifier	Reporting Limit	Units	Batch	Date and Time of Analysis*
Field ID: 6100-SED04C CLP No. BG569				**Sample ID: 2104014-12**		
Grain Size						
% Sand >0.0625 mm	11.5		0.100	% by Weight	B106059	
%Silt + % Clay/Colloids (%Total Fines)	88.5		0.100	% by Weight	B106059	
Field ID: 6100-SED05A CLP No. BG570				**Sample ID: 2104014-13**		
Grain Size						
% Sand >0.0625 mm	22.4		0.100	% by Weight	B106059	
%Silt + % Clay/Colloids (%Total Fines)	77.6		0.100	% by Weight	B106059	
Field ID: 6100-SED05B CLP No. BG571				**Sample ID: 2104014-14**		
Grain Size						
% Sand >0.0625 mm	3.00		0.100	% by Weight	B106059	
%Silt + % Clay/Colloids (%Total Fines)	97.0		0.100	% by Weight	B106059	
Field ID: 6100-SED05C CLP No. BG572				**Sample ID: 2104014-15**		
Grain Size						
% Sand >0.0625 mm	3.40		0.100	% by Weight	B106059	
%Silt + % Clay/Colloids (%Total Fines)	96.6		0.100	% by Weight	B106059	
Field ID: 6100-SED06A CLP No. BG573				**Sample ID: 2104014-16**		
Grain Size						
% Sand >0.0625 mm	93.5		0.100	% by Weight	B106059	
%Silt + % Clay/Colloids (%Total Fines)	6.50		0.100	% by Weight	B106059	
Field ID: 6100-SED06B CLP No. BG574				**Sample ID: 2104014-17**		
Grain Size						
% Sand >0.0625 mm	89.5		0.100	% by Weight	B106091	

Final Report

Project: Coney Island Creek - 2104014

Project Number: 2104014

Analyte	Result	Qualifier	Reporting Limit	Units	Batch	Date and Time of Analysis*
Field ID: 6100-SED06B CLP No. BG574				**Sample ID: 2104014-17**		
Grain Size						
%Silt + % Clay/Colloids (%Total Fines)	10.5		0.100	% by Weight	B106091	
Field ID: 6100-SED06C CLP No. BG575				**Sample ID: 2104014-18**		
Grain Size						
% Sand >0.0625 mm	95.0		0.100	% by Weight	B106091	
%Silt + % Clay/Colloids (%Total Fines)	5.00		0.100	% by Weight	B106091	
Field ID: 6100-SED21A CLP No. BG4Z8				**Sample ID: 2104014-19**		
Grain Size						
% Sand >0.0625 mm	59.2		0.100	% by Weight	B106091	
%Silt + % Clay/Colloids (%Total Fines)	40.8		0.100	% by Weight	B106091	
Field ID: 6100-SED22A CLP No. BG501				**Sample ID: 2104014-20**		
Grain Size						
% Sand >0.0625 mm	18.9		0.100	% by Weight	B106091	
%Silt + % Clay/Colloids (%Total Fines)	81.1		0.100	% by Weight	B106091	
Field ID: 6100-SED22B CLP No. BG502				**Sample ID: 2104014-21**		
Grain Size						
% Sand >0.0625 mm	50.4		0.100	% by Weight	B106091	
%Silt + % Clay/Colloids (%Total Fines)	49.6		0.100	% by Weight	B106091	
Field ID: 6100-SED22C CLP No. BG503				**Sample ID: 2104014-22**		
Grain Size						
% Sand >0.0625 mm	10.8		0.100	% by Weight	B106091	
%Silt + % Clay/Colloids (%Total Fines)	89.2		0.100	% by Weight	B106091	

Final Report

Project: Coney Island Creek - 2104014

Project Number: 2104014

Analyte	Result	Qualifier	Reporting Limit	Units	Batch	Date and Time of Analysis*
Field ID: 6100-SED23A CLP No. BG504				**Sample ID: 2104014-23**		
Grain Size						
% Sand >0.0625 mm	94.9		0.100	% by Weight	B106091	
%Silt + % Clay/Colloids (%Total Fines)	5.10		0.100	% by Weight	B106091	
Field ID: 6100-SED23B CLP No. BG505				**Sample ID: 2104014-24**		
Grain Size						
% Sand >0.0625 mm	60.2		0.100	% by Weight	B106091	
%Silt + % Clay/Colloids (%Total Fines)	39.8		0.100	% by Weight	B106091	
Field ID: 6100-SED23C CLP No. BG506				**Sample ID: 2104014-25**		
Grain Size						
% Sand >0.0625 mm	29.1		0.100	% by Weight	B106091	
%Silt + % Clay/Colloids (%Total Fines)	70.9		0.100	% by Weight	B106091	
Field ID: 6100-SED24A CLP No. BG507				**Sample ID: 2104014-26**		
Grain Size						
% Sand >0.0625 mm	23.3		0.100	% by Weight	B106091	
%Silt + % Clay/Colloids (%Total Fines)	76.7		0.100	% by Weight	B106091	
Field ID: 6100-SED24B CLP No. BG508				**Sample ID: 2104014-27**		
Grain Size						
% Sand >0.0625 mm	31.2		0.100	% by Weight	B106145	
%Silt + % Clay/Colloids (%Total Fines)	68.8		0.100	% by Weight	B106145	
Field ID: 6100-SED24C CLP No. BG509				**Sample ID: 2104014-28**		
Grain Size						
% Sand >0.0625 mm	25.1		0.100	% by Weight	B106145	

Final Report

Project: Coney Island Creek - 2104014

Project Number: 2104014

Analyte	Result	Qualifier	Reporting Limit	Units	Batch	Date and Time of Analysis*
Field ID: 6100-SED24C CLP No. BG509				**Sample ID: 2104014-28**		
Grain Size						
%Silt + % Clay/Colloids (%Total Fines)	74.9		0.100	% by Weight	B106145	
Field ID: 6100-SED25A CLP No. BG510				**Sample ID: 2104014-29**		
Grain Size						
% Sand >0.0625 mm	78.5		0.100	% by Weight	B106145	
%Silt + % Clay/Colloids (%Total Fines)	21.5		0.100	% by Weight	B106145	
Field ID: 6100-SED25B CLP No. BG511				**Sample ID: 2104014-30**		
Grain Size						
% Sand >0.0625 mm	9.10		0.100	% by Weight	B106145	
%Silt + % Clay/Colloids (%Total Fines)	90.9		0.100	% by Weight	B106145	
Field ID: 6100-SED25C CLP No. BG512				**Sample ID: 2104014-31**		
Grain Size						
% Sand >0.0625 mm	9.20		0.100	% by Weight	B106145	
%Silt + % Clay/Colloids (%Total Fines)	90.8		0.100	% by Weight	B106145	
Field ID: 6100-SED26A CLP No. BG513				**Sample ID: 2104014-32**		
Grain Size						
% Sand >0.0625 mm	86.2		0.100	% by Weight	B106145	
%Silt + % Clay/Colloids (%Total Fines)	13.8		0.100	% by Weight	B106145	
Field ID: 6100-SED07A CLP No. BG576				**Sample ID: 2104048-01**		
Grain Size						
% Sand >0.0625 mm	4.80		0.100	% by Weight	B106104	
%Silt + % Clay/Colloids (%Total Fines)	95.2		0.100	% by Weight	B106104	

Final Report

Project: Coney Island Creek - 2104014

Project Number: 2104014

Analyte	Result	Qualifier	Reporting Limit	Units	Batch	Date and Time of Analysis*
Field ID: 6100-SED07B CLP No. BG577				**Sample ID: 2104048-02**		
Grain Size						
% Sand >0.0625 mm	8.50		0.100	% by Weight	B106104	
%Silt + % Clay/Colloids (%Total Fines)	91.5		0.100	% by Weight	B106104	
Field ID: 6100-SED07C CLP No. BG578				**Sample ID: 2104048-03**		
Grain Size						
% Sand >0.0625 mm	21.1		0.100	% by Weight	B106104	
%Silt + % Clay/Colloids (%Total Fines)	78.9		0.100	% by Weight	B106104	
Field ID: 6100-SED08A CLP No. BG579				**Sample ID: 2104048-04**		
Grain Size						
% Sand >0.0625 mm	89.7		0.100	% by Weight	B106104	
%Silt + % Clay/Colloids (%Total Fines)	10.3		0.100	% by Weight	B106104	
Field ID: 6100-SED08B CLP No. BG580				**Sample ID: 2104048-05**		
Grain Size						
% Sand >0.0625 mm	96.0		0.100	% by Weight	B106104	
%Silt + % Clay/Colloids (%Total Fines)	4.00		0.100	% by Weight	B106104	
Field ID: 6100-SED08C CLP No. BG581				**Sample ID: 2104048-06**		
Grain Size						
% Sand >0.0625 mm	91.0		0.100	% by Weight	B106104	
%Silt + % Clay/Colloids (%Total Fines)	9.00		0.100	% by Weight	B106104	
Field ID: 6100-SED09A CLP No. BG582				**Sample ID: 2104048-07**		
Grain Size						
% Sand >0.0625 mm	68.7		0.100	% by Weight	B106104	

Final Report

Project: Coney Island Creek - 2104014

Project Number: 2104014

Analyte	Result	Qualifier	Reporting Limit	Units	Batch	Date and Time of Analysis*
Field ID: 6100-SED09A CLP No. BG582				**Sample ID: 2104048-07**		
Grain Size						
%Silt + % Clay/Colloids (%Total Fines)	31.3		0.100	% by Weight	B106104	
Field ID: 6100-SED09B CLP No. BG583				**Sample ID: 2104048-08**		
Grain Size						
% Sand >0.0625 mm	77.0		0.100	% by Weight	B106104	
%Silt + % Clay/Colloids (%Total Fines)	23.0		0.100	% by Weight	B106104	
Field ID: 6100-SED09C CLP No. BG584				**Sample ID: 2104048-09**		
Grain Size						
% Sand >0.0625 mm	60.0		0.100	% by Weight	B106104	
%Silt + % Clay/Colloids (%Total Fines)	40.0		0.100	% by Weight	B106104	
Field ID: 6100-SED10A CLP No. BG585				**Sample ID: 2104048-10**		
Grain Size						
% Sand >0.0625 mm	41.8		0.100	% by Weight	B106104	
%Silt + % Clay/Colloids (%Total Fines)	58.2		0.100	% by Weight	B106104	
Field ID: 6100-SED10B CLP No. BG586				**Sample ID: 2104048-11**		
Grain Size						
% Sand >0.0625 mm	38.9		0.100	% by Weight	B106136	
%Silt + % Clay/Colloids (%Total Fines)	61.1		0.100	% by Weight	B106136	
Field ID: 6100-SED10C CLP No. BG587				**Sample ID: 2104048-12**		
Grain Size						
% Sand >0.0625 mm	91.9		0.100	% by Weight	B106136	
%Silt + % Clay/Colloids (%Total Fines)	8.10		0.100	% by Weight	B106136	

Analyte	Result	Qualifier	Reporting Limit	Units	Batch	Date and Time of Analysis*
Field ID: 6100-SED11A CLP No. BG588				**Sample ID: 2104048-13**		
Grain Size						
% Sand >0.0625 mm	95.7		0.100	% by Weight	B106136	
%Silt + % Clay/Colloids (%Total Fines)	4.30		0.100	% by Weight	B106136	
Field ID: 6100-SED11B CLP No. BG589				**Sample ID: 2104048-14**		
Grain Size						
% Sand >0.0625 mm	89.6		0.100	% by Weight	B106136	
%Silt + % Clay/Colloids (%Total Fines)	10.4		0.100	% by Weight	B106136	
Field ID: 6100-SED11C CLP No. BG590				**Sample ID: 2104048-15**		
Grain Size						
% Sand >0.0625 mm	80.8		0.100	% by Weight	B106136	
%Silt + % Clay/Colloids (%Total Fines)	19.2		0.100	% by Weight	B106136	
Field ID: 6100-SED12A CLP No. BG591				**Sample ID: 2104048-16**		
Grain Size						
% Sand >0.0625 mm	95.0		0.100	% by Weight	B106136	
%Silt + % Clay/Colloids (%Total Fines)	5.00		0.100	% by Weight	B106136	
Field ID: 6100-SED12B CLP No. BG592				**Sample ID: 2104048-17**		
Grain Size						
% Sand >0.0625 mm	96.3		0.100	% by Weight	B106136	
%Silt + % Clay/Colloids (%Total Fines)	3.70		0.100	% by Weight	B106136	
Field ID: 6100-SED13A CLP No. BG594				**Sample ID: 2104048-18**		
Grain Size						
% Sand >0.0625 mm	47.4		0.100	% by Weight	B106136	

Final Report

Project: Coney Island Creek - 2104014

Project Number: 2104014

Analyte	Result	Qualifier	Reporting Limit	Units	Batch	Date and Time of Analysis*
Field ID: 6100-SED13A CLP No. BG594				**Sample ID: 2104048-18**		
Grain Size						
%Silt + % Clay/Colloids (%Total Fines)	52.6		0.100	% by Weight	B106136	
Field ID: 6100-SED13B CLP No. BG595				**Sample ID: 2104048-19**		
Grain Size						
% Sand >0.0625 mm	45.0		0.100	% by Weight	B106136	
%Silt + % Clay/Colloids (%Total Fines)	55.0		0.100	% by Weight	B106136	
Field ID: 6100-SED13C CLP No. BG596				**Sample ID: 2104048-20**		
Grain Size						
% Sand >0.0625 mm	41.7		0.100	% by Weight	B106139	
%Silt + % Clay/Colloids (%Total Fines)	58.3		0.100	% by Weight	B106139	
Field ID: 6100-SED14A CLP No. BG597				**Sample ID: 2104048-21**		
Grain Size						
% Sand >0.0625 mm	70.1		0.100	% by Weight	B106139	
%Silt + % Clay/Colloids (%Total Fines)	29.9		0.100	% by Weight	B106139	
Field ID: 6100-SED15A CLP No. BG5A0				**Sample ID: 2104048-22**		
Grain Size						
% Sand >0.0625 mm	14.9		0.100	% by Weight	B106139	
%Silt + % Clay/Colloids (%Total Fines)	85.1		0.100	% by Weight	B106139	
Field ID: 6100-SED16A CLP No. BG5A3				**Sample ID: 2104048-23**		
Grain Size						
% Sand >0.0625 mm	89.9		0.100	% by Weight	B106139	
%Silt + % Clay/Colloids (%Total Fines)	10.1		0.100	% by Weight	B106139	

Final Report

Project: Coney Island Creek - 2104014

Project Number: 2104014

Analyte	Result	Qualifier	Reporting Limit	Units	Batch	Date and Time of Analysis*
Field ID: 6100-SED17A CLP No. BG5A6				**Sample ID: 2104048-24**		
Grain Size						
% Sand >0.0625 mm	49.4		0.100	% by Weight	B106139	
%Silt + % Clay/Colloids (%Total Fines)	50.6		0.100	% by Weight	B106139	
Field ID: 6100-SED18A CLP No. BG5A9				**Sample ID: 2104048-25**		
Grain Size						
% Sand >0.0625 mm	90.7		0.100	% by Weight	B106139	
%Silt + % Clay/Colloids (%Total Fines)	9.30		0.100	% by Weight	B106139	
Field ID: 6100-SED19A CLP No. BG5B2				**Sample ID: 2104048-26**		
Grain Size						
% Sand >0.0625 mm	18.2		0.100	% by Weight	B106139	
%Silt + % Clay/Colloids (%Total Fines)	81.8		0.100	% by Weight	B106139	
Field ID: 6100-SED20A CLP No. BG5B5				**Sample ID: 2104048-27**		
Grain Size						
% Sand >0.0625 mm	82.7		0.100	% by Weight	B106139	
%Silt + % Clay/Colloids (%Total Fines)	17.3		0.100	% by Weight	B106139	
Field ID: 6100-SED26B CLP No. BG514				**Sample ID: 2104048-28**		
Grain Size						
% Sand >0.0625 mm	74.4		0.100	% by Weight	B106139	
%Silt + % Clay/Colloids (%Total Fines)	25.6		0.100	% by Weight	B106139	
Field ID: 6100-SED27A CLP No. BG516				**Sample ID: 2104048-29**		
Grain Size						
% Sand >0.0625 mm	10.6		0.100	% by Weight	B106145	

Final Report

Project: Coney Island Creek - 2104014

Project Number: 2104014

Analyte	Result	Qualifier	Reporting Limit	Units	Batch	Date and Time of Analysis*
Field ID: 6100-SED27A CLP No. BG516				**Sample ID: 2104048-29**		
Grain Size						
%Silt + % Clay/Colloids (%Total Fines)	89.4		0.100	% by Weight	B106145	
Field ID: 6100-SED15B CLP No. BG5A1				**Sample ID: 2104048-30**		
Grain Size						
% Sand >0.0625 mm	51.1		0.100	% by Weight	B106139	
%Silt + % Clay/Colloids (%Total Fines)	48.9		0.100	% by Weight	B106139	

Final Report

Project: Coney Island Creek - 2104014

Project Number: 2104014

Grain Size - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B106033									
Duplicate (B106033-DUP1)		**Source: 2104014-01**							
% Sand >0.0625 mm	98.2	0.100	% by Weight		98.4			0.2	30
%Silt + % Clay/Colloids (%Total Fines)	1.80	0.100	% by Weight		1.60			12	30
Duplicate (B106033-DUP2)		**Source: 2104014-01**							
% Sand >0.0625 mm	98.4	0.100	% by Weight		98.4			0	30
%Silt + % Clay/Colloids (%Total Fines)	1.60	0.100	% by Weight		1.60			0	30
Duplicate (B106033-DUP3)		**Source: 2104014-01**							
% Sand >0.0625 mm	98.5	0.100	% by Weight		98.4			0.1	30
%Silt + % Clay/Colloids (%Total Fines)	1.50	0.100	% by Weight		1.60			6	30
Batch B106059									
Duplicate (B106059-DUP1)		**Source: 2104014-09**							
% Sand >0.0625 mm	4.00	0.100	% by Weight		4.50			12	30
%Silt + % Clay/Colloids (%Total Fines)	96.0	0.100	% by Weight		95.5			0.5	30
Duplicate (B106059-DUP2)		**Source: 2104014-09**							
% Sand >0.0625 mm	4.10	0.100	% by Weight		4.50			9	30
%Silt + % Clay/Colloids (%Total Fines)	95.9	0.100	% by Weight		95.5			0.4	30
Duplicate (B106059-DUP3)		**Source: 2104014-09**							
% Sand >0.0625 mm	4.40	0.100	% by Weight		4.50			2	30
%Silt + % Clay/Colloids (%Total Fines)	95.6	0.100	% by Weight		95.5			0.1	30
Batch B106091									
Duplicate (B106091-DUP1)		**Source: 2104014-17**							
% Sand >0.0625 mm	89.4	0.100	% by Weight		89.5			0.1	30
%Silt + % Clay/Colloids (%Total Fines)	10.6	0.100	% by Weight		10.5			0.9	30

Final Report

Project: Coney Island Creek - 2104014

Project Number: 2104014

Grain Size - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B106104									
Duplicate (B106104-DUP1)		**Source: 2104048-10**							
% Sand >0.0625 mm	40.5	0.100	% by Weight		41.8			3	30
%Silt + % Clay/Colloids (%Total Fines)	59.5	0.100	% by Weight		58.2			2	30
Batch B106136									
Duplicate (B106136-DUP1)		**Source: 2104048-19**							
% Sand >0.0625 mm	49.0	0.100	% by Weight		45.0			9	30
%Silt + % Clay/Colloids (%Total Fines)	51.0	0.100	% by Weight		55.0			8	30
Batch B106139									
Duplicate (B106139-DUP1)		**Source: 2104048-20**							
% Sand >0.0625 mm	38.0	0.100	% by Weight		41.7			9	30
%Silt + % Clay/Colloids (%Total Fines)	62.0	0.100	% by Weight		58.3			6	30
Batch B106145									
Duplicate (B106145-DUP1)		**Source: 2104048-29**							
% Sand >0.0625 mm	12.7	0.100	% by Weight		10.6			18	30
%Silt + % Clay/Colloids (%Total Fines)	87.3	0.100	% by Weight		89.4			2	30

CHEMTECH

ANALYTICAL RESULTS SUMMARY

GENERAL CHEMISTRY

PROJECT NAME : CAS NO.49391

WESTON SOLUTIONS, INC.

1090 King Georges Post Road

Suite 201

Edison, NJ - 08837-3703

Phone No: 732-585-4410

ORDER ID : M2105

ATTENTION : Scott T. Snyder

NELAP ACCREDITED TNI LABORATORY

ANAB ACCREDITED ISO/IEC 17025 DOD ELAP

Table Of Contents for M2105

1) Signature Page 3

2) Case Narrative 4

2.1) Genchem- Case Narrative 4

3) Qualifier Page 6

4) QA Checklist 7

5) Genchem Data 8

6) Shipping Document 42

6.1) CHAIN OF CUSTODY 43

6.2) Air Bill 45

6.3) ROC 46

6.4) Lab Certificate 47

CHEMTECH
284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Cover Page

Order ID : M2105

Project ID : CAS NO.49391

Client : Weston Solutions, Inc.

Lab Sample Number	Client Sample Number
M2105-01	BG4Z8
M2105-02	BG558
M2105-03	BG559
M2105-04	BG560
M2105-05	BG561
M2105-06	BG562
M2105-07	BG563
M2105-08	BG564
M2105-09	BG565
M2105-10	BG566
M2105-11	BG567
M2105-12	BG568
M2105-13	BG569
M2105-14	BG570
M2105-15	BG571
M2105-16	BG572
M2105-18	BG4Z8
M2105-19	BG561
M2105-20	BG562
M2105-21	BG563
M2105-22	BG564
M2105-23	BG565
M2105-24	BG566
M2105-25	BG567
M2105-26	BG568
M2105-27	BG569
M2105-28	BG570
M2105-29	BG571
M2105-30	BG572

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : N. N. Pandya

APPROVED
Date: 5/11/2021
By Nimisha Pandya, QA/QC Supervisor at 10:38 am, May 11, 2021

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CHEMTECH
284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

CASE NARRATIVE

Weston Solutions, Inc.
Project Name: CAS NO.49391
Project # N/A
Chemtech Project # M2105
Test Name: TOC

A. Number of Samples and Date of Receipt:
29 Solid samples were received on 04/20/2021.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: TOC. This data package contains results for TOC.

C. Analytical Techniques:
The analysis of TOC was based on method Lloyd Kahn and The analysis of TOC was based on method Walkley Black.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
Sample BG4Z8 was diluted due to high concentrations for TOC &
Sample BG561 was diluted due to high concentrations for TOC &
Sample BG562 was diluted due to high concentrations for TOC &
Sample BG563 was diluted due to high concentrations for TOC &
Sample BG564 was diluted due to high concentrations for TOC &
Sample BG565 was diluted due to high concentrations for TOC &
Sample BG566 was diluted due to high concentrations for TOC &
Sample BG567 was diluted due to high concentrations for TOC &
Sample BG568 was diluted due to high concentrations for TOC &
Sample BG569 was diluted due to high concentrations for TOC &
Sample BG570 was diluted due to high concentrations for TOC &
Sample BG571 was diluted due to high concentrations for TOC &
Sample BG572 was diluted due to high concentrations for TOC.
The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.
The Matrix Spike (BG572MS) analysis met criteria for all samples except for TOC due to matrix interferences.
The Matrix Spike Duplicate (BG572MSD) analysis met criteria for all samples except for TOC due to matrix interferences.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.

E. Additional Comments:

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature__ N. N. Pandya

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 10:38 am, May 11, 2021

DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following " Results Qualifiers" are used:

J	Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	Indicates the analyte was analyzed for, but not detected.
ND	Indicates the analyte was analyzed for, but not detected
E	Indicates the reported value is estimated because of the presence of interference
M	Indicates Duplicate injection precision not met.
N	Indicates the spiked sample recovery is not within control limits.
S	Indicates the reported value was determined by the Method of Standard Addition (MSA).
*	Indicates that the duplicate analysis is not within control limits.
+	Indicates the correlation coefficient for the MSA is less than 0.995.
D	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers **"P"** for ICP instrument **"PM"** for ICP when Microwave Digestion is used **"CV"** for Manual Cold Vapor AA **"AV"** for automated Cold Vapor AA **"CA"** for MIDI-Distillation Spectrophotometric **"AS"** for Semi –Automated Spectrophotometric **"C"** for Manual Spectrophotometric **"T"** for Titrimetric **"NR"** for analyte not required to be analyzed
OR	Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.
Q	Indicates the LCS did not meet the control limits requirements
H	Sample Analysis Out Of Hold Time

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: M2105

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

1st Level QA Review Signature: SOHIL JODHANI **Date:** 05/11/2021

2nd Level QA Review Signature: N. N. Pandya Date:

APPROVED
By Nimisha Pandya, QA/QC Supervisor at 10:39 am, May 11, 2021

SAMPLE DATA

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED21A Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/15/21 11:20
Project:	CAS NO.49391	Date Received:	04/20/21
Client Sample ID:	BG4Z8	SDG No.:	M2105
Lab Sample ID:	M2105-01	Matrix:	SOIL
		% Solid:	43.1

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	57900	OR	1	15.2	250	mg/Kg		04/22/21 14:04	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked Sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED01A Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/19/21 08:45
Project:	CAS NO.49391	Date Received:	04/20/21
Client Sample ID:	BG558	SDG No.:	M2105
Lab Sample ID:	M2105-02	Matrix:	SOIL
		% Solid:	82.2

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	373		1	15.2	250	mg/Kg		04/22/21 10:56	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked Sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED01B Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/19/21 09:05
Project:	CAS NO.49391	Date Received:	04/20/21
Client Sample ID:	BG559	SDG No.:	M2105
Lab Sample ID:	M2105-03	Matrix:	SOIL
		% Solid:	81.8

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	404		1	15.2	250	mg/Kg		04/22/21 11:28	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked Sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED01C Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/19/21 09:15
Project:	CAS NO.49391	Date Received:	04/20/21
Client Sample ID:	BG560	SDG No.:	M2105
Lab Sample ID:	M2105-04	Matrix:	SOIL
		% Solid:	80.2

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	658		1	15.2	250	mg/Kg		04/22/21 12:00	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked Sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED02A Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/19/21 09:40
Project:	CAS NO.49391	Date Received:	04/20/21
Client Sample ID:	BG561	SDG No.:	M2105
Lab Sample ID:	M2105-05	Matrix:	SOIL
		% Solid:	50.8

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	39300	OR	1	15.2	250	mg/Kg		04/22/21 14:34	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked Sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED02B Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/19/21 09:55
Project:	CAS NO.49391	Date Received:	04/20/21
Client Sample ID:	BG562	SDG No.:	M2105
Lab Sample ID:	M2105-06	Matrix:	SOIL
		% Solid:	53

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	33300	OR	1	15.2	250	mg/Kg		04/22/21 15:01	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked Sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED02C

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/19/21 10:10
Project:	CAS NO.49391	Date Received:	04/20/21
Client Sample ID:	BG563	SDG No.:	M2105
Lab Sample ID:	M2105-07	Matrix:	SOIL
		% Solid:	71.7

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	12800	OR	1	15.2	250	mg/Kg		04/23/21 08:36	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked Sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED03A

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/19/21 11:10
Project:	CAS NO.49391	Date Received:	04/20/21
Client Sample ID:	BG564	SDG No.:	M2105
Lab Sample ID:	M2105-08	Matrix:	SOIL
		% Solid:	49.8

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	34300	OR	1	15.2	250	mg/Kg		04/23/21 08:57	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time
J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked Sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED03B Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/19/21 11:25
Project:	CAS NO.49391	Date Received:	04/20/21
Client Sample ID:	BG565	SDG No.:	M2105
Lab Sample ID:	M2105-09	Matrix:	SOIL
		% Solid:	33.1

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	24000	OR	1	15.2	250	mg/Kg		04/23/21 09:28	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked Sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED03C Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/19/21 11:35
Project:	CAS NO.49391	Date Received:	04/20/21
Client Sample ID:	BG566	SDG No.:	M2105
Lab Sample ID:	M2105-10	Matrix:	SOIL
		% Solid:	35

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	36200	OR	1	15.2	250	mg/Kg		04/23/21 09:53	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked Sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED04A Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/19/21 12:15
Project:	CAS NO.49391	Date Received:	04/20/21
Client Sample ID:	BG567	SDG No.:	M2105
Lab Sample ID:	M2105-11	Matrix:	SOIL
		% Solid:	64.6

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	16400	OR	1	15.2	250	mg/Kg		04/23/21 10:29	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time
J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked Sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED04B Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/19/21 12:30
Project:	CAS NO.49391	Date Received:	04/20/21
Client Sample ID:	BG568	SDG No.:	M2105
Lab Sample ID:	M2105-12	Matrix:	SOIL
		% Solid:	51.9

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	31800	OR	1	15.2	250	mg/Kg		04/23/21 11:12	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked Sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED04C Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/19/21 12:40
Project:	CAS NO.49391	Date Received:	04/20/21
Client Sample ID:	BG569	SDG No.:	M2105
Lab Sample ID:	M2105-13	Matrix:	SOIL
		% Solid:	36.3

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	32700	OR	1	15.2	250	mg/Kg		04/23/21 11:38	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked Sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED05A Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/19/21 13:20
Project:	CAS NO.49391	Date Received:	04/20/21
Client Sample ID:	BG570	SDG No.:	M2105
Lab Sample ID:	M2105-14	Matrix:	SOIL
		% Solid:	42.4

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	47400	OR	1	15.2	250	mg/Kg		04/23/21 12:15	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time
J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked Sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED05B Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/19/21 13:35
Project:	CAS NO.49391	Date Received:	04/20/21
Client Sample ID:	BG571	SDG No.:	M2105
Lab Sample ID:	M2105-15	Matrix:	SOIL
		% Solid:	32

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	45000	OR	1	15.2	250	mg/Kg		04/23/21 13:04	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked Sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED05C Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/19/21 13:45
Project:	CAS NO.49391	Date Received:	04/20/21
Client Sample ID:	BG572	SDG No.:	M2105
Lab Sample ID:	M2105-16	Matrix:	SOIL
		% Solid:	32.4

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	35900	OR	1	15.2	250	mg/Kg		04/23/21 13:26	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked Sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED01B Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/15/21 11:20
Project:	CAS NO.49391	Date Received:	04/20/21
Client Sample ID:	BG4Z8	SDG No.:	M2105
Lab Sample ID:	M2105-18	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	132000		1	500	500	mg/Kg		05/03/21 11:16	Walkley-Black

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked Sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED02A

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/19/21 09:40
Project:	CAS NO.49391	Date Received:	04/20/21
Client Sample ID:	BG561	SDG No.:	M2105
Lab Sample ID:	M2105-19	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	116000		1	500	500	mg/Kg		05/03/21 11:21	Walkley-Black

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked Sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED02B

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/19/21 09:55
Project:	CAS NO.49391	Date Received:	04/20/21
Client Sample ID:	BG562	SDG No.:	M2105
Lab Sample ID:	M2105-20	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	50600		1	500	500	mg/Kg		05/03/21 11:26	Walkley-Black

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked Sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED02C Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/19/21 10:10
Project:	CAS NO.49391	Date Received:	04/20/21
Client Sample ID:	BG563	SDG No.:	M2105
Lab Sample ID:	M2105-21	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	9700		1	500	500	mg/Kg		05/03/21 11:32	Walkley-Black

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked Sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED03A Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/19/21 11:10
Project:	CAS NO.49391	Date Received:	04/20/21
Client Sample ID:	BG564	SDG No.:	M2105
Lab Sample ID:	M2105-22	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	72600		1	500	500	mg/Kg		05/03/21 11:37	Walkley-Black

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked Sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED03B Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/19/21 11:25
Project:	CAS NO.49391	Date Received:	04/20/21
Client Sample ID:	BG565	SDG No.:	M2105
Lab Sample ID:	M2105-23	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	48400		1	500	500	mg/Kg		05/03/21 11:42	Walkley-Black

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked Sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED03C

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/19/21 11:35
Project:	CAS NO.49391	Date Received:	04/20/21
Client Sample ID:	BG566	SDG No.:	M2105
Lab Sample ID:	M2105-24	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	58100		1	500	500	mg/Kg		05/03/21 11:47	Walkley-Black

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked Sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED04A Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/19/21 12:15
Project:	CAS NO.49391	Date Received:	04/20/21
Client Sample ID:	BG567	SDG No.:	M2105
Lab Sample ID:	M2105-25	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	18200		1	500	500	mg/Kg		05/03/21 11:53	Walkley-Black

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked Sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED04B Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/19/21 12:30
Project:	CAS NO.49391	Date Received:	04/20/21
Client Sample ID:	BG568	SDG No.:	M2105
Lab Sample ID:	M2105-26	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	68800		1	500	500	mg/Kg		05/03/21 12:00	Walkley-Black

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked Sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED04C Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/19/21 12:40
Project:	CAS NO.49391	Date Received:	04/20/21
Client Sample ID:	BG569	SDG No.:	M2105
Lab Sample ID:	M2105-27	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	82200		1	500	500	mg/Kg		05/03/21 12:05	Walkley-Black

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked Sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED05A Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/19/21 13:20
Project:	CAS NO.49391	Date Received:	04/20/21
Client Sample ID:	BG570	SDG No.:	M2105
Lab Sample ID:	M2105-28	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	107000		1	500	500	mg/Kg		05/03/21 12:11	Walkley-Black

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked Sample recovery not within control limits

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Field Sample ID: 6100-SED05B Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/19/21 13:35
Project:	CAS NO.49391	Date Received:	04/20/21
Client Sample ID:	BG571	SDG No.:	M2105
Lab Sample ID:	M2105-29	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	129000		1	500	500	mg/Kg		05/03/21 12:16	Walkley-Black

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
SW = Surrogate recovery not within control limits

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Field Sample ID: 6100-SED05C

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/19/21 13:45
Project:	CAS NO.49391	Date Received:	04/20/21
Client Sample ID:	BG572	SDG No.:	M2105
Lab Sample ID:	M2105-30	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	92200		1	500	500	mg/Kg		05/03/21 12:22	Walkley-Black

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

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LAB CHRONICLE

OrderID:	M2105	**OrderDate:**	4/20/2021 10:43:53 AM
Client:	Weston Solutions, Inc.	**Project:**	CAS NO.49391
Contact:	Scott T. Snyder	**Location:**	O31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
M2105-01	**BG4Z8**	**SOIL**			**04/15/21 11:20**			**04/20/21**
			TOC	Lloyd Kahn			04/22/21 14:04	
M2105-02	**BG558**	**SOIL**			**04/19/21 08:45**			**04/20/21**
			TOC	Lloyd Kahn			04/22/21 10:56	
M2105-03	**BG559**	**SOIL**			**04/19/21 09:05**			**04/20/21**
			TOC	Lloyd Kahn			04/22/21 11:28	
M2105-04	**BG560**	**SOIL**			**04/19/21 09:15**			**04/20/21**
			TOC	Lloyd Kahn			04/22/21 12:00	
M2105-05	**BG561**	**SOIL**			**04/19/21 09:40**			**04/20/21**
			TOC	Lloyd Kahn			04/22/21 14:34	
M2105-06	**BG562**	**SOIL**			**04/19/21 09:55**			**04/20/21**
			TOC	Lloyd Kahn			04/22/21 15:01	
M2105-07	**BG563**	**SOIL**			**04/19/21 10:10**			**04/20/21**
			TOC	Lloyd Kahn			04/23/21 08:36	
M2105-08	**BG564**	**SOIL**			**04/19/21 11:10**			**04/20/21**

LAB CHRONICLE

			TOC	Lloyd Kahn		04/23/21 08:57	
M2105-09	**BG565**	**SOIL**			**04/19/21 11:25**		**04/20/21**
			TOC	Lloyd Kahn		04/23/21 09:28	
M2105-10	**BG566**	**SOIL**			**04/19/21 11:35**		**04/20/21**
			TOC	Lloyd Kahn		04/23/21 09:53	
M2105-11	**BG567**	**SOIL**			**04/19/21 12:15**		**04/20/21**
			TOC	Lloyd Kahn		04/23/21 10:29	
M2105-12	**BG568**	**SOIL**			**04/19/21 12:30**		**04/20/21**
			TOC	Lloyd Kahn		04/23/21 11:12	
M2105-13	**BG569**	**SOIL**			**04/19/21 12:40**		**04/20/21**
			TOC	Lloyd Kahn		04/23/21 11:38	
M2105-14	**BG570**	**SOIL**			**04/19/21 13:20**		**04/20/21**
			TOC	Lloyd Kahn		04/23/21 12:15	
M2105-15	**BG571**	**SOIL**			**04/19/21 13:35**		**04/20/21**
			TOC	Lloyd Kahn		04/23/21 13:04	
M2105-16	**BG572**	**SOIL**			**04/19/21 13:45**		**04/20/21**
			TOC	Lloyd Kahn		04/23/21 13:26	
M2105-18	**BG4Z8**	**SOIL**			**04/15/21 11:20**		**04/20/21**
			TOC	Walkley Black		05/03/21 11:16	

LAB CHRONICLE

M2105-19	**BG561**	**SOIL**			**04/19/21 09:40**		**04/20/21**
			TOC	Walkley Black		05/03/21 11:21	
M2105-20	**BG562**	**SOIL**			**04/19/21 09:55**		**04/20/21**
			TOC	Walkley Black		05/03/21 11:26	
M2105-21	**BG563**	**SOIL**			**04/19/21 10:10**		**04/20/21**
			TOC	Walkley Black		05/03/21 11:32	
M2105-22	**BG564**	**SOIL**			**04/19/21 11:10**		**04/20/21**
			TOC	Walkley Black		05/03/21 11:37	
M2105-23	**BG565**	**SOIL**			**04/19/21 11:25**		**04/20/21**
			TOC	Walkley Black		05/03/21 11:42	
M2105-24	**BG566**	**SOIL**			**04/19/21 11:35**		**04/20/21**
			TOC	Walkley Black		05/03/21 11:47	
M2105-25	**BG567**	**SOIL**			**04/19/21 12:15**		**04/20/21**
			TOC	Walkley Black		05/03/21 11:53	
M2105-26	**BG568**	**SOIL**			**04/19/21 12:30**		**04/20/21**
			TOC	Walkley Black		05/03/21 12:00	
M2105-27	**BG569**	**SOIL**			**04/19/21 12:40**		**04/20/21**
			TOC	Walkley Black		05/03/21 12:05	

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LAB CHRONICLE

M2105-28	**BG570**	**SOIL**			**04/19/21 13:20**		**04/20/21**
			TOC	Walkley Black		05/03/21 12:11	
M2105-29	**BG571**	**SOIL**			**04/19/21 13:35**		**04/20/21**
			TOC	Walkley Black		05/03/21 12:16	
M2105-30	**BG572**	**SOIL**			**04/19/21 13:45**		**04/20/21**
			TOC	Walkley Black		05/03/21 12:22	

SHIPPING DOCUMENTS

USEPA CLP COC (LAB COPY)
Date Shipped: 4/19/2021
Carrier Name: FedEx
Airbill No.: 7734 8686 1461

CHAIN OF CUSTODY RECORD

Weston Solutions, Inc.
PO #0106152

No: 2-041921-160506-0019
Lab: Chemtech Consulting Group
Lab Contact: Sohil Jodhani
Lab Phone: 908-789-8900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
6100-SED21A	BG4Z8	Sediment/ WESTON	Grab	TOC(21)	1425 (4 C) (1)	SED21/SW21	04/15/2021 11:20	
6100-SED01A	BG558	Sediment/ WESTON	Grab	TOC(21)	1005 (4 C) (1)	SED01/SW01	04/19/2021 08:45	
6100-SED01B	BG559	Sediment/ WESTON	Grab	TOC(21)	1012 (4 C) (1)	SED01/SW01	04/19/2021 09:05	
6100-SED01C	BG560	Sediment/ WESTON	Grab	TOC(21)	1019 (4 C) (1)	SED01/SW01	04/19/2021 09:15	
6100-SED02A	BG561	Sediment/ WESTON	Grab	TOC(21)	1026 (4 C) (1)	SED02	04/19/2021 09:40	
6100-SED02B	BG562	Sediment/ WESTON	Grab	TOC(21)	1033 (4 C) (1)	SED02	04/19/2021 09:55	
6100-SED02C	BG563	Sediment/ WESTON	Grab	TOC(21)	1040 (4 C) (1)	SED02	04/19/2021 10:10	
6100-SED03A	BG564	Sediment/ WESTON	Grab	TOC(21)	1047 (4 C) (1)	SED03	04/19/2021 11:10	
6100-SED03B	BG565	Sediment/ WESTON	Grab	TOC(21)	1054 (4 C) (1)	SED03	04/19/2021 11:25	
6100-SED03C	BG566	Sediment/ WESTON	Grab	TOC(21)	1061 (4 C) (1)	SED03	04/19/2021 11:35	

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #
Analysis Key: TOC=TAL TOC	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples	[signature] Region 2 SAT	4/19/21 1500	FedEx	4/19/21 1500	IR-Gun #1 23° C
			[signature]	9:38 4-20-21	Custody Seal Intact
					Temp Blank present
				[signature] 4-20-21	No tags

USEPA CLP COC (LAB COPY)
Date Shipped: 4/19/2021
Carrier Name: FedEx
Airbill No.: 7734 8686 1461

CHAIN OF CUSTODY RECORD

Weston Solutions, Inc.
PO #0106152

No: 2-041921-160506-0019
Lab: Chemtech Consulting Group
Lab Contact: Sohil Jodhani
Lab Phone: 908-789-8900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
6100-SED04A	BG567	Sediment/ WESTON	Grab	TOC(21)	1068 (4 C) (1)	SED04/SW04	04/19/2021 12:15	
6100-SED04B	BG568	Sediment/ WESTON	Grab	TOC(21)	1075 (4 C) (1)	SED04/SW04	04/19/2021 12:30	
6100-SED04C	BG569	Sediment/ WESTON	Grab	TOC(21)	1082 (4 C) (1)	SED04/SW04	04/19/2021 12:40	
6100-SED05A	BG570	Sediment/ WESTON	Grab	TOC(21)	1089 (4 C) (1)	SED05	04/19/2021 13:20	
6100-SED05B	BG571	Sediment/ WESTON	Grab	TOC(21)	1096 (4 C) (1)	SED05	04/19/2021 13:35	
6100-SED05C	BG572	Sediment/ WESTON	Grab	TOC(21)	1103 (4 C) (1)	SED05	04/19/2021 13:45	

Special Instructions:

Shipment for Case Complete? N
Samples Transferred From Chain of Custody #

Analysis Key: TOC=TAL TOC

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples	Region 2 SAT	4/19/21 1400	FedEx	4/19/21 1400	IR-6 cm #1 2.3°C
			Client	9:38 4-20-21	Custody Seal Intact
					Temp Blank present
				4-20-21	No tags



After printing this label:
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

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Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery,misdelivery,or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim.Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental,consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss.Maximum for items of extraordinary value is $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

From: Steven Chaimowitz <S.Chaim@chemtech.net>
Sent: Tuesday, April 27, 2021 09:53
To: 'S.Snyder@WestonSolutions.com'
Cc: 'kurt@chemtech.net'
Subject: M2105 - CAS NO.49391

Good Morning,
Please be advised all samples are over calibration range for Lloyd Kahn TOC method with the exception of samples BG558, BG559, and BG560

The lab will proceed with Walkley black method for all other samples.

Regards,

Steven Chaimowitz
Project Manager

CHEMTECH

284 Sheffield St. | Mountainside, NJ 07092
Direct: (908) 728-3147
s.chaim@chemtech.net | www.chemtech.net

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Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0649
DOD ELAP (L-A-B)	L2219
Maine	2020021
Maryland	296
New Hampshire	255420
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	P330-18-00132
Texas	T104704488-20-13

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ANALYTICAL RESULTS SUMMARY

GENERAL CHEMISTRY

PROJECT NAME : CAS NO.49391

WESTON SOLUTIONS, INC.

1090 King Georges Post Road

Suite 201

Edison, NJ - 08837-3703

Phone No: 732-585-4410

ORDER ID : M2116

ATTENTION : Scott T. Snyder

NELAP ACCREDITED TNI LABORATORY

ANAB ACCREDITED ISO/IEC 17025 DOD ELAP

Table Of Contents for M2116

1) Signature Page 3

2) Case Narrative 4

2.1) Genchem- Case Narrative 4

3) Qualifier Page 5

4) QA Checklist 6

5) Genchem Data 7

6) Shipping Document 37

6.1) CHAIN OF CUSTODY 38

6.2) ROC 40

6.3) Lab Certificate 42

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Cover Page

Order ID : M2116

Project ID : CAS NO.49391

Client : Weston Solutions, Inc.

Lab Sample Number	Client Sample Number
M2116-01	BG501
M2116-02	BG502
M2116-03	BG503
M2116-04	BG504
M2116-05	BG505
M2116-06	BG506
M2116-07	BG507
M2116-08	BG508
M2116-09	BG509
M2116-10	BG510
M2116-11	BG511
M2116-12	BG512
M2116-13	BG513
M2116-14	BG573
M2116-15	BG574
M2116-16	BG575
M2116-17	BG501
M2116-18	BG502
M2116-19	BG503
M2116-20	BG505
M2116-21	BG506
M2116-22	BG507
M2116-23	BG508
M2116-24	BG509
M2116-25	BG511
M2116-26	BG512

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : N. N. Pandya

APPROVED
Date: 5/12/2021
By Nimisha Pandya, QA/QC Supervisor at 2:07 pm, May 12, 2021

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CHEMTECH
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CASE NARRATIVE

Weston Solutions, Inc.
Project Name: CAS NO.49391
Project # N/A
Chemtech Project # M2116
Test Name: TOC

A. Number of Samples and Date of Receipt:
26 Solid samples were received on 04/21/2021.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: TOC. This data package contains results for TOC.

C. Analytical Techniques:
The analysis of TOC was based on method Lloyd Kahn and The analysis of TOC was based on method Walkley Black.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.
The Matrix Spike (6100-SED08BMS) analysis met criteria for all samples except for TOC due to matrix interference.
The Matrix Spike Duplicate (6100-SED08BMSD) analysis met criteria for all samples except for TOC due to matrix interference.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.

E. Additional Comments:
There are high concentration for TOC in Sample#01,02,03,05,06,07,08,09,11,12 and these samples are logged and analyzed by Walkley Black method in same package.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature___ N. N. Pandya

APPROVED
By Nimisha Pandya, QA/QC Supervisor at 2:07 pm, May 12, 2021

DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following " Results Qualifiers" are used:

J	Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	Indicates the analyte was analyzed for, but not detected.
ND	Indicates the analyte was analyzed for, but not detected
E	Indicates the reported value is estimated because of the presence of interference
M	Indicates Duplicate injection precision not met.
N	Indicates the spiked sample recovery is not within control limits.
S	Indicates the reported value was determined by the Method of Standard Addition (MSA).
*	Indicates that the duplicate analysis is not within control limits.
+	Indicates the correlation coefficient for the MSA is less than 0.995.
D	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers **"P"** for ICP instrument **"PM"** for ICP when Microwave Digestion is used **"CV"** for Manual Cold Vapor AA **"AV"** for automated Cold Vapor AA **"CA"** for MIDI-Distillation Spectrophotometric **"AS"** for Semi –Automated Spectrophotometric **"C"** for Manual Spectrophotometric **"T"** for Titrimetric **"NR"** for analyte not required to be analyzed
OR	Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.
Q	Indicates the LCS did not meet the control limits requirements
H	Sample Analysis Out Of Hold Time

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **M2116**

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

1st Level QA Review Signature: NIMISHA PANDYA **Date:** 05/12/2021

2nd Level QA Review Signature: _____ **Date:** _____

SAMPLE DATA

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED22A Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/20/21 12:50
Project:	CAS NO.49391	Date Received:	04/21/21
Client Sample ID:	BG501	SDG No.:	M2116
Lab Sample ID:	M2116-01	Matrix:	SOIL
		% Solid:	55

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	28000	OR	1	15.2	250	mg/Kg		04/27/21 14:36	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked Sample recovery not within control limits

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Field Sample ID: 6100-SED22B

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/20/21 13:05
Project:	CAS NO.49391	Date Received:	04/21/21
Client Sample ID:	BG502	SDG No.:	M2116
Lab Sample ID:	M2116-02	Matrix:	SOIL
		% Solid:	54.5

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	31400	OR	1	15.2	250	mg/Kg		04/27/21 15:02	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked Sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED22C Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/20/21 13:15
Project:	CAS NO.49391	Date Received:	04/21/21
Client Sample ID:	BG503	SDG No.:	M2116
Lab Sample ID:	M2116-03	Matrix:	SOIL
		% Solid:	51.6

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	27300	OR	1	15.2	250	mg/Kg		04/27/21 15:30	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked Sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED23A

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/20/21 12:00
Project:	CAS NO.49391	Date Received:	04/21/21
Client Sample ID:	BG504	SDG No.:	M2116
Lab Sample ID:	M2116-04	Matrix:	SOIL
		% Solid:	77.5

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	3850		1	15.2	250	mg/Kg		04/27/21 12:23	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked Sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED23B Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/20/21 12:15
Project:	CAS NO.49391	Date Received:	04/21/21
Client Sample ID:	BG505	SDG No.:	M2116
Lab Sample ID:	M2116-05	Matrix:	SOIL
		% Solid:	65.8

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	16400	OR	1	15.2	250	mg/Kg		04/27/21 15:52	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time
J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked Sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED23C

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/20/21 12:25
Project:	CAS NO.49391	Date Received:	04/21/21
Client Sample ID:	BG506	SDG No.:	M2116
Lab Sample ID:	M2116-06	Matrix:	SOIL
		% Solid:	60.2

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	15200	OR	1	15.2	250	mg/Kg		04/27/21 16:20	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked Sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED24A Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/20/21 10:55
Project:	CAS NO.49391	Date Received:	04/21/21
Client Sample ID:	BG507	SDG No.:	M2116
Lab Sample ID:	M2116-07	Matrix:	SOIL
		% Solid:	65.3

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	14400	OR	1	15.2	250	mg/Kg		04/27/21 16:37	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time
J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked Sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED24B

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/20/21 11:10
Project:	CAS NO.49391	Date Received:	04/21/21
Client Sample ID:	BG508	SDG No.:	M2116
Lab Sample ID:	M2116-08	Matrix:	SOIL
		% Solid:	58.7

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	23400	OR	1	15.2	250	mg/Kg		04/28/21 09:46	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time
J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked Sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED24C Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/20/21 11:20
Project:	CAS NO.49391	Date Received:	04/21/21
Client Sample ID:	BG509	SDG No.:	M2116
Lab Sample ID:	M2116-09	Matrix:	SOIL
		% Solid:	44

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	30800	OR	1	15.2	250	mg/Kg		04/28/21 10:06	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked Sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED25A Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/20/21 09:25
Project:	CAS NO.49391	Date Received:	04/21/21
Client Sample ID:	BG510	SDG No.:	M2116
Lab Sample ID:	M2116-10	Matrix:	SOIL
		% Solid:	75.6

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	1230		1	15.2	250	mg/Kg		04/27/21 12:45	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked Sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED25B Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/20/21 10:05
Project:	CAS NO.49391	Date Received:	04/21/21
Client Sample ID:	BG511	SDG No.:	M2116
Lab Sample ID:	M2116-11	Matrix:	SOIL
		% Solid:	56.8

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	14900	OR	1	15.2	250	mg/Kg		04/28/21 10:27	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked Sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED25C

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/20/21 10:20
Project:	CAS NO.49391	Date Received:	04/21/21
Client Sample ID:	BG512	SDG No.:	M2116
Lab Sample ID:	M2116-12	Matrix:	SOIL
		% Solid:	25.9

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	45500	OR	1	15.2	250	mg/Kg		04/28/21 10:58	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked Sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED26A Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/20/21 09:30
Project:	CAS NO.49391	Date Received:	04/21/21
Client Sample ID:	BG513	SDG No.:	M2116
Lab Sample ID:	M2116-13	Matrix:	SOIL
		% Solid:	77

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	3680		1	15.2	250	mg/Kg		04/27/21 10:07	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
SR = Spike Sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED06A

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/20/21 14:10
Project:	CAS NO.49391	Date Received:	04/21/21
Client Sample ID:	BG573	SDG No.:	M2116
Lab Sample ID:	M2116-14	Matrix:	SOIL
		% Solid:	81.7

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	2480		1	15.2	250	mg/Kg		04/27/21 10:41	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked Sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED06B

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/20/21 14:20
Project:	CAS NO.49391	Date Received:	04/21/21
Client Sample ID:	BG574	SDG No.:	M2116
Lab Sample ID:	M2116-15	Matrix:	SOIL
		% Solid:	81.3

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	2310		1	15.2	250	mg/Kg		04/27/21 11:07	Lloyd Kahn

Comments:

U = Not Detected
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MDL = Method Detection Limit
LOD = Limit of Detection
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Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED06C **Report of Analysis**

Client:	Weston Solutions, Inc.	Date Collected:	04/20/21 14:30
Project:	CAS NO.49391	Date Received:	04/21/21
Client Sample ID:	BG575	SDG No.:	M2116
Lab Sample ID:	M2116-16	Matrix:	SOIL
		% Solid:	75.5

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	2220		1	15.2	250	mg/Kg		04/27/21 11:58	Lloyd Kahn

Comments:

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MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time
J = Estimated Value
B = Analyte Found in Associated Method Blank
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E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked Sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED22A **Report of Analysis**

Client:	Weston Solutions, Inc.	Date Collected:	04/20/21 12:50
Project:	CAS NO.49391	Date Received:	04/21/21
Client Sample ID:	BG501	SDG No.:	M2116
Lab Sample ID:	M2116-17	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	64200		1	500	500	mg/Kg		05/03/21 15:41	Walkley-Black

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked Sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED22B

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/20/21 13:05
Project:	CAS NO.49391	Date Received:	04/21/21
Client Sample ID:	BG502	SDG No.:	M2116
Lab Sample ID:	M2116-18	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	60600		1	500	500	mg/Kg		05/03/21 15:46	Walkley-Black

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked Sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED22C

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/20/21 13:15
Project:	CAS NO.49391	Date Received:	04/21/21
Client Sample ID:	BG503	SDG No.:	M2116
Lab Sample ID:	M2116-19	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	58700		1	500	500	mg/Kg		05/03/21 15:52	Walkley-Black

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked Sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED23B Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/20/21 12:15
Project:	CAS NO.49391	Date Received:	04/21/21
Client Sample ID:	BG505	SDG No.:	M2116
Lab Sample ID:	M2116-20	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	27200		1	500	500	mg/Kg		05/03/21 15:58	Walkley-Black

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked Sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED23C Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/20/21 12:25
Project:	CAS NO.49391	Date Received:	04/21/21
Client Sample ID:	BG506	SDG No.:	M2116
Lab Sample ID:	M2116-21	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	24200		1	500	500	mg/Kg		05/03/21 16:03	Walkley-Black

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked Sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED24A

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/20/21 10:55
Project:	CAS NO.49391	Date Received:	04/21/21
Client Sample ID:	BG507	SDG No.:	M2116
Lab Sample ID:	M2116-22	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	47700		1	500	500	mg/Kg		05/03/21 16:09	Walkley-Black

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked Sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED24B

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/20/21 11:10
Project:	CAS NO.49391	Date Received:	04/21/21
Client Sample ID:	BG508	SDG No.:	M2116
Lab Sample ID:	M2116-23	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	38300		1	500	500	mg/Kg		05/03/21 16:15	Walkley-Black

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked Sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED24C Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/20/21 11:20
Project:	CAS NO.49391	Date Received:	04/21/21
Client Sample ID:	BG509	SDG No.:	M2116
Lab Sample ID:	M2116-24	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	73100		1	500	500	mg/Kg		05/03/21 16:20	Walkley-Black

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked Sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED25B Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/20/21 10:05
Project:	CAS NO.49391	Date Received:	04/21/21
Client Sample ID:	BG511	SDG No.:	M2116
Lab Sample ID:	M2116-25	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	31200		1	500	500	mg/Kg		05/03/21 16:25	Walkley-Black

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED25C Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/20/21 10:20
Project:	CAS NO.49391	Date Received:	04/21/21
Client Sample ID:	BG512	SDG No.:	M2116
Lab Sample ID:	M2116-26	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	115000		1	500	500	mg/Kg		05/03/21 16:31	Walkley-Black

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

CHEMTECH
284 Sheffield Street, Mountainside, New Jersey - 07092
Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID:	M2116	**OrderDate:**	4/21/2021 9:22:00 AM
Client:	Weston Solutions, Inc.	**Project:**	CAS NO.49391
Contact:	Scott T. Snyder	**Location:**	P11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
M2116-01	**BG501**	**SOIL**			**04/20/21 12:50**			**04/21/21**
			TOC	Lloyd Kahn			04/27/21 14:36	
M2116-02	**BG502**	**SOIL**			**04/20/21 13:05**			**04/21/21**
			TOC	Lloyd Kahn			04/27/21 15:02	
M2116-03	**BG503**	**SOIL**			**04/20/21 13:15**			**04/21/21**
			TOC	Lloyd Kahn			04/27/21 15:30	
M2116-04	**BG504**	**SOIL**			**04/20/21 12:00**			**04/21/21**
			TOC	Lloyd Kahn			04/27/21 12:23	
M2116-05	**BG505**	**SOIL**			**04/20/21 12:15**			**04/21/21**
			TOC	Lloyd Kahn			04/27/21 15:52	
M2116-06	**BG506**	**SOIL**			**04/20/21 12:25**			**04/21/21**
			TOC	Lloyd Kahn			04/27/21 16:20	
M2116-07	**BG507**	**SOIL**			**04/20/21 10:55**			**04/21/21**
			TOC	Lloyd Kahn			04/27/21 16:37	
M2116-08	**BG508**	**SOIL**			**04/20/21 11:10**			**04/21/21**

LAB CHRONICLE

			TOC	Lloyd Kahn		04/28/21 09:46	
M2116-09	**BG509**	**SOIL**			**04/20/21 11:20**		**04/21/21**
			TOC	Lloyd Kahn		04/28/21 10:06	
M2116-10	**BG510**	**SOIL**			**04/20/21 09:25**		**04/21/21**
			TOC	Lloyd Kahn		04/27/21 12:45	
M2116-11	**BG511**	**SOIL**			**04/20/21 10:05**		**04/21/21**
			TOC	Lloyd Kahn		04/28/21 10:27	
M2116-12	**BG512**	**SOIL**			**04/20/21 10:20**		**04/21/21**
			TOC	Lloyd Kahn		04/28/21 10:58	
M2116-13	**BG513**	**SOIL**			**04/20/21 09:30**		**04/21/21**
			TOC	Lloyd Kahn		04/27/21 10:07	
M2116-14	**BG573**	**SOIL**			**04/20/21 14:10**		**04/21/21**
			TOC	Lloyd Kahn		04/27/21 10:41	
M2116-15	**BG574**	**SOIL**			**04/20/21 14:20**		**04/21/21**
			TOC	Lloyd Kahn		04/27/21 11:07	
M2116-16	**BG575**	**SOIL**			**04/20/21 14:30**		**04/21/21**
			TOC	Lloyd Kahn		04/27/21 11:58	
M2116-17	**BG501**	**SOIL**			**04/20/21 12:50**		**04/21/21**
			TOC	Walkley Black		05/03/21 15:41	

LAB CHRONICLE

M2116-18	**BG502**	**SOIL**			**04/20/21 13:05**		**04/21/21**
			TOC	Walkley Black		05/03/21 15:46	
M2116-19	**BG503**	**SOIL**			**04/20/21 13:15**		**04/21/21**
			TOC	Walkley Black		05/03/21 15:52	
M2116-20	**BG505**	**SOIL**			**04/20/21 12:15**		**04/21/21**
			TOC	Walkley Black		05/03/21 15:58	
M2116-21	**BG506**	**SOIL**			**04/20/21 12:25**		**04/21/21**
			TOC	Walkley Black		05/03/21 16:03	
M2116-22	**BG507**	**SOIL**			**04/20/21 10:55**		**04/21/21**
			TOC	Walkley Black		05/03/21 16:09	
M2116-23	**BG508**	**SOIL**			**04/20/21 11:10**		**04/21/21**
			TOC	Walkley Black		05/03/21 16:15	
M2116-24	**BG509**	**SOIL**			**04/20/21 11:20**		**04/21/21**
			TOC	Walkley Black		05/03/21 16:20	
M2116-25	**BG511**	**SOIL**			**04/20/21 10:05**		**04/21/21**
			TOC	Walkley Black		05/03/21 16:25	
M2116-26	**BG512**	**SOIL**			**04/20/21 10:20**		**04/21/21**
			TOC	Walkley Black		05/03/21 16:31	

SHIPPING DOCUMENTS

USEPA CLP COC (LAB COPY)
Date Shipped: 4/21/2021
Carrier Name: Hand-Deliver
Airbill No.: N/A

CHAIN OF CUSTODY RECORD

Weston Solutions, Inc.
PO #0106152

No: 2-042021-164725-0024
Lab: Chemtech Consulting Group
Lab Contact: Sohil Jodhani
Lab Phone: 908-789-8900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
6100-SED22A	BG501	Sediment/ WESTON	Grab	TOC(21)	1446 (4 C) (1)	SED22/SW22	04/20/2021 12:50	
6100-SED22B	BG502	Sediment/ WESTON	Grab	TOC(21)	1453 (4 C) (1)	SED22/SW22	04/20/2021 13:05	
6100-SED22C	BG503	Sediment/ WESTON	Grab	TOC(21)	1460 (4 C) (1)	SED22/SW22	04/20/2021 13:15	
6100-SED23A	BG504	Sediment/ WESTON	Grab	TOC(21)	1467 (4 C) (1)	SED23/SW23	04/20/2021 12:00	
6100-SED23B	BG505	Sediment/ WESTON	Grab	TOC(21)	1474 (4 C) (1)	SED23/SW23	04/20/2021 12:15	
6100-SED23C	BG506	Sediment/ WESTON	Grab	TOC(21)	1481 (4 C) (1)	SED23/SW23	04/20/2021 12:25	
6100-SED24A	BG507	Sediment/ WESTON	Grab	TOC(21)	1488 (4 C) (1)	SED24/SW24	04/20/2021 10:55	
6100-SED24B	BG508	Sediment/ WESTON	Grab	TOC(21)	1495 (4 C) (1)	SED24/SW24	04/20/2021 11:10	
6100-SED24C	BG509	Sediment/ WESTON	Grab	TOC(21)	1502 (4 C) (1)	SED24/SW24	04/20/2021 11:20	
6100-SED25A	BG510	Sediment/ WESTON	Grab	TOC(21)	1509 (4 C) (1)	SED25/SW25	04/20/2021 09:25	

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #
Analysis Key: TOC=TAL TOC	

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples	Region 2 SAT	4/21/21 0910		4/21/21 0910	3.2°C No TAGS IN GUN #1
					custody seals intact
					Temp BLK present
				4/24/21	

USEPA CLP COC (LAB COPY)
Date Shipped: 4/21/2021
Carrier Name: Hand-Deliver
Airbill No.: N/A

CHAIN OF CUSTODY RECORD

Weston Solutions, Inc.
PO #0106152

No: 2-042021-164725-0024
Lab: Chemtech Consulting Group
Lab Contact: Sohil Jodhani
Lab Phone: 908-789-8900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
6100-SED25B	BG511	Sediment/ WESTON	Grab	TOC(21)	1516 (4 C) (1)	SED25/SW25	04/20/2021 10:05	
6100-SED25C	BG512	Sediment/ WESTON	Grab	TOC(21)	1523 (4 C) (1)	SED25/SW25	04/20/2021 10:20	
6100-SED26A	BG513	Sediment/ WESTON	Grab	TOC(21)	1661 (4 C) (1)	SED25/SW25	04/20/2021 09:30	
6100-SED06A	BG573	Sediment/ WESTON	Grab	TOC(21)	1110 (4 C) (1)	SED06	04/20/2021 14:10	
6100-SED06B	BG574	Sediment/ WESTON	Grab	TOC(21)	1117 (4 C) (1)	SED06	04/20/2021 14:20	
6100-SED06C	BG575	Sediment/ WESTON	Grab	TOC(21)	1124 (4 C) (1)	SED06	04/20/2021 14:30	

Special Instructions:

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: TOC=TAL TOC

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples	Region 2 SAT	4/21/21 0910		4/21/21 0910	3.2°C NO TAGS TR GUN #1
					custody seals noted
					Temp BLK - present
			4/21/21		

From: Snyder, Scott <S.Snyder@WestonSolutions.com>
Sent: Friday, April 30, 2021 10:50
To: s.chaim@chemtech.net
Cc: kurt@chemtech.net
Subject: RE: [EXT]:M2116 - M2178 - CAS NO.49391

Understood, thanks

From: Steven Chaimowitz <S.Chaim@chemtech.net>
Sent: Friday, April 30, 2021 10:48 AM
To: Snyder, Scott <S.Snyder@WestonSolutions.com>
Cc: kurt@chemtech.net
Subject: [EXT]:M2116 - M2178 - CAS NO.49391

CAUTION: ***External Message***

Good Morning,
Please be advised to following samples are over calibration range for Lloyd Kahn TOC method:

M2116 – Samples: BG501, BG502, BG503, BG505, BG506, BG507, BG508, BG509, BG511, and BG512
M2178 – Samples: 6100-SED26B, 6100-SED09A, 6100-SED09B, and 6100-SED09C

The lab will proceed with Walkley black method for these samples. Please let me know if you have any questions.

Regards,

Steven Chaimowitz
Project Manager

CHEMTECH

284 Sheffield St. | Mountainside, NJ 07092
Direct: (908) 728-3147
s.chaim@chemtech.net | www.chemtech.net

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Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0649
DOD ELAP (L-A-B)	L2219
Maine	2020021
Maryland	296
New Hampshire	255420
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	P330-18-00132
Texas	T104704488-20-13

CHEMTECH

ANALYTICAL RESULTS SUMMARY

GENERAL CHEMISTRY

PROJECT NAME : CAS NO.49391

WESTON SOLUTIONS, INC.

1090 King Georges Post Road

Suite 201

Edison, NJ - 08837-3703

Phone No: 732-585-4410

ORDER ID : M2178

ATTENTION : Scott T. Snyder

NELAP ACCREDITED TNI LABORATORY

ANAB ACCREDITED ISO/IEC 17025 DOD ELAP

Table Of Contents for M2178

1) Signature Page 3

2) Case Narrative 4

2.1) Genchem- Case Narrative 4

3) Qualifier Page 5

4) QA Checklist 6

5) Genchem Data 7

6) Shipping Document 21

6.1) CHAIN OF CUSTODY 22

6.2) ROC 23

6.3) Lab Certificate 25

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Cover Page

Order ID : M2178

Project ID : CAS NO.49391

Client : Weston Solutions, Inc.

Lab Sample Number	Client Sample Number
M2178-01	6100-SED26B
M2178-02	6100-SED08A
M2178-03	6100-SED08B
M2178-04	6100-SED08C
M2178-05	6100-SED09A
M2178-06	6100-SED09B
M2178-07	6100-SED09C
M2178-08	6100-SED26B
M2178-09	6100-SED09A
M2178-10	6100-SED09B
M2178-11	6100-SED09C

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : N. N. Pandya

APPROVED
By Nimisha Pandya, QA/QC Supervisor at 3:04 pm, May 07, 2021

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CHEMTECH
284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

CASE NARRATIVE

Weston Solutions, Inc.
Project Name: CAS NO.49391
Project # N/A
Chemtech Project # M2178
Test Name: TOC

A. Number of Samples and Date of Receipt:
11 Solid samples were received on 04/23/2021.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: TOC. This data package contains results for TOC.

C. Analytical Techniques:
The analysis of TOC was based on method Lloyd Kahn and The analysis of TOC was based on method Walkley Black.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
Sample 6100-SED26B was diluted due to high concentrations for TOC &
Sample 6100-SED09A was diluted due to high concentrations for TOC &
Sample 6100-SED09B was diluted due to high concentrations for TOC &
Sample 6100-SED09C was diluted due to high concentrations for TOC.
The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.
The Matrix Spike (6100-SED08BMS) analysis met criteria for all samples except for TOC due to matrix interference.
The Matrix Spike Duplicate (6100-SED08BMSD) analysis met criteria for all samples except for TOC due to matrix interference.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.

E. Additional Comments:

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature N. N. Pandya

APPROVED
By Nimisha Pandya, QA/QC Supervisor at 3:04 pm, May 07, 2021

DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following " Results Qualifiers" are used:

J	Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	Indicates the analyte was analyzed for, but not detected.
ND	Indicates the analyte was analyzed for, but not detected
E	Indicates the reported value is estimated because of the presence of interference
M	Indicates Duplicate injection precision not met.
N	Indicates the spiked sample recovery is not within control limits.
S	Indicates the reported value was determined by the Method of Standard Addition (MSA).
*	Indicates that the duplicate analysis is not within control limits.
+	Indicates the correlation coefficient for the MSA is less than 0.995.
D	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers **"P"** for ICP instrument **"PM"** for ICP when Microwave Digestion is used **"CV"** for Manual Cold Vapor AA **"AV"** for automated Cold Vapor AA **"CA"** for MIDI-Distillation Spectrophotometric **"AS"** for Semi –Automated Spectrophotometric **"C"** for Manual Spectrophotometric **"T"** for Titrimetric **"NR"** for analyte not required to be analyzed
OR	Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.
Q	Indicates the LCS did not meet the control limits requirements
H	Sample Analysis Out Of Hold Time

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: M2178

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

1st Level QA Review Signature: SOHIL JODHANI **Date:** 05/07/2021

2nd Level QA Review Signature: N. N. Pandya **Date:**

APPROVED
By Nimisha Pandya, QA/QC Supervisor at 3:04 pm, May 07, 2021

SAMPLE DATA

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED26B Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/23/21 09:35
Project:	CAS NO.49391	Date Received:	04/23/21
Client Sample ID:	6100-SED26B CLP No. BG514	SDG No.:	M2178
Lab Sample ID:	M2178-01	Matrix:	SOIL
		% Solid:	70.8

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	36300	OR	1	15.2	250	mg/Kg		04/28/21 11:31	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time
J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED08A Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/23/21 11:00
Project:	CAS NO.49391	Date Received:	04/23/21
Client Sample ID:	6100-SED08A CLP No. BG579	SDG No.:	M2178
Lab Sample ID:	M2178-02	Matrix:	SOIL
		% Solid:	73.4

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	9540		1	15.2	250	mg/Kg		04/28/21 11:49	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED08B Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/23/21 11:10
Project:	CAS NO.49391	Date Received:	04/23/21
Client Sample ID:	6100-SED08B CLP No. BG580	SDG No.:	M2178
Lab Sample ID:	M2178-03	Matrix:	SOIL
		% Solid:	80.5

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	5600		1	15.2	250	mg/Kg		04/28/21 12:08	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED08C Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/23/21 11:20
Project:	CAS NO.49391	Date Received:	04/23/21
Client Sample ID:	6100-SED08C CLP No. BG581	SDG No.:	M2178
Lab Sample ID:	M2178-04	Matrix:	SOIL
		% Solid:	76.8

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	12500		1	15.2	250	mg/Kg		04/28/21 12:42	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED09A **Report of Analysis**

Client:	Weston Solutions, Inc.	Date Collected:	04/23/21 09:15
Project:	CAS NO.49391	Date Received:	04/23/21
Client Sample ID:	6100-SED09A	SDG No.:	M2178
Lab Sample ID:	M2178-05	Matrix:	SOIL
		% Solid:	67.1

CLP No. BG582

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	43900	OR	1	15.2	250	mg/Kg		04/28/21 13:30	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED09B

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/23/21 09:30
Project:	CAS NO.49391	Date Received:	04/23/21
Client Sample ID:	6100-SED09B CLP No. BG583	SDG No.:	M2178
Lab Sample ID:	M2178-06	Matrix:	SOIL
		% Solid:	74.5

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	49000	OR	1	15.2	250	mg/Kg		04/28/21 13:50	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED09C Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/23/21 09:40
Project:	CAS NO.49391	Date Received:	04/23/21
Client Sample ID:	6100-SED09C CLP No. BG584	SDG No.:	M2178
Lab Sample ID:	M2178-07	Matrix:	SOIL
		% Solid:	50.4

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	41200	OR	1	15.2	250	mg/Kg		04/28/21 14:10	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED26B Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/23/21 09:35
Project:	CAS NO.49391	Date Received:	04/23/21
Client Sample ID:	6100-SED26B	SDG No.:	M2178
Lab Sample ID:	M2178-08	Matrix:	SOIL
		% Solid:	100

CLP No. BG514

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	41800		1	500	500	mg/Kg		05/03/21 16:36	Walkley-Black

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED09A Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/23/21 09:15
Project:	CAS NO.49391	Date Received:	04/23/21
Client Sample ID:	6100-SED09A	SDG No.:	M2178
Lab Sample ID:	M2178-09	Matrix:	SOIL
		% Solid:	100

CLP No. BG514

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	46300		1	500	500	mg/Kg		05/03/21 16:42	Walkley-Black

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED09B

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/23/21 09:30
Project:	CAS NO.49391	Date Received:	04/23/21
Client Sample ID:	6100-SED09B CLP No. BG583	SDG No.:	M2178
Lab Sample ID:	M2178-10	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	73700		1	500	500	mg/Kg		05/03/21 16:47	Walkley-Black

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED09C

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/23/21 09:40
Project:	CAS NO.49391	Date Received:	04/23/21
Client Sample ID:	6100-SED09C CLP No. BG584	SDG No.:	M2178
Lab Sample ID:	M2178-11	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	127000		1	500	500	mg/Kg		05/03/21 16:52	Walkley-Black

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

CHEMTECH
284 Sheffield Street, Mountainside, New Jersey - 07092
Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID:	M2178	**OrderDate:**	4/23/2021 3:31:00 PM
Client:	Weston Solutions, Inc.	**Project:**	CAS NO.49391
Contact:	Scott T. Snyder	**Location:**	P13

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
M2178-01	**6100-SED26B**	**SOIL**			**04/23/21 09:35**			**04/23/21**
			TOC	Lloyd Kahn			04/28/21 11:31	
M2178-02	**6100-SED08A**	**SOIL**			**04/23/21 11:00**			**04/23/21**
			TOC	Lloyd Kahn			04/28/21 11:49	
M2178-03	**6100-SED08B**	**SOIL**			**04/23/21 11:10**			**04/23/21**
			TOC	Lloyd Kahn			04/28/21 12:08	
M2178-04	**6100-SED08C**	**SOIL**			**04/23/21 11:20**			**04/23/21**
			TOC	Lloyd Kahn			04/28/21 12:42	
M2178-05	**6100-SED09A**	**SOIL**			**04/23/21 09:15**			**04/23/21**
			TOC	Lloyd Kahn			04/28/21 13:30	
M2178-06	**6100-SED09B**	**SOIL**			**04/23/21 09:30**			**04/23/21**
			TOC	Lloyd Kahn			04/28/21 13:50	
M2178-07	**6100-SED09C**	**SOIL**			**04/23/21 09:40**			**04/23/21**
			TOC	Lloyd Kahn			04/28/21 14:10	
M2178-08	**6100-SED26B**	**SOIL**			**04/23/21 09:35**			**04/23/21**

LAB CHRONICLE

			TOC	Walkley Black		05/03/21 16:36	
M2178-09	**6100-SED09A**	**SOIL**			**04/23/21 09:15**		**04/23/21**
			TOC	Walkley Black		05/03/21 16:42	
M2178-10	**6100-SED09B**	**SOIL**			**04/23/21 09:30**		**04/23/21**
			TOC	Walkley Black		05/03/21 16:47	
M2178-11	**6100-SED09C**	**SOIL**			**04/23/21 09:40**		**04/23/21**
			TOC	Walkley Black		05/03/21 16:52	

SHIPPING DOCUMENTS

Page 1 of 1

USEPA
Date Shipped: 4/23/2021
Carrier Name: Hand-Deliver
Airbill No.: N/A

CHAIN OF CUSTODY RECORD
Site #: 6100
Contact Name: Scott Snyder
Contact Phone: 9732197394

No: 2-042321-115829-0028
Cooler #: 1 of 1
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	6100-SED26B	SED09/SW09	TAL TOC	Sediment	4/23/2021	09:35	1	4-oz. glass jar	4 C	N
	6100-SED08A	SED08	TAL TOC	Sediment	4/23/2021	11:00	1	4-oz. glass jar	4 C	N
	6100-SED08B	SED08	TAL TOC	Sediment	4/23/2021	11:10	1	4-oz. glass jar	4 C	N
	6100-SED08C	SED08	TAL TOC	Sediment	4/23/2021	11:20	1	4-oz. glass jar	4 C	N
	6100-SED09A	SED09/SW09	TAL TOC	Sediment	4/23/2021	09:15	1	4-oz. glass jar	4 C	N
	6100-SED09B	SED09/SW09	TAL TOC	Sediment	4/23/2021	09:30	1	4-oz. glass jar	4 C	N
	6100-SED09C	SED09/SW09	TAL TOC	Sediment	4/23/2021	09:40	1	4-oz. glass jar	4 C	N

Special Instructions: PO #0106152

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples	Region 2 SDT	4/23/21 1525		4/23/21 1523	4.1°C NO TAGS IR GUN # custody seals intact Temp Blk - present
				4/23/21	

From: Snyder, Scott <S.Snyder@WestonSolutions.com>
Sent: Friday, April 30, 2021 10:50
To: s.chaim@chemtech.net
Cc: kurt@chemtech.net
Subject: RE: [EXT]:M2116 - M2178 - CAS NO.49391

Understood, thanks

From: Steven Chaimowitz <S.Chaim@chemtech.net>
Sent: Friday, April 30, 2021 10:48 AM
To: Snyder, Scott <S.Snyder@WestonSolutions.com>
Cc: kurt@chemtech.net
Subject: [EXT]:M2116 - M2178 - CAS NO.49391

CAUTION: ***External Message***

Good Morning,
Please be advised to following samples are over calibration range for Lloyd Kahn TOC method:

M2116 – Samples: BG501, BG502, BG503, BG505, BG506, BG507, BG508, BG509, BG511, and BG512
M2178 – Samples: 6100-SED26B, 6100-SED09A, 6100-SED09B, and 6100-SED09C

The lab will proceed with Walkley black method for these samples. Please let me know if you have any questions.

Regards,

Steven Chaimowitz
Project Manager

CHEMTECH

284 Sheffield St. | Mountainside, NJ 07092
Direct: (908) 728-3147
s.chaim@chemtech.net | www.chemtech.net

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Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0649
DOD ELAP (L-A-B)	L2219
Maine	2020021
Maryland	296
New Hampshire	255420
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	P330-18-00132
Texas	T104704488-20-13

CHEMTECH

ANALYTICAL RESULTS SUMMARY

GENERAL CHEMISTRY

PROJECT NAME : CAS NO.49391

WESTON SOLUTIONS, INC.

1090 King Georges Post Road

Suite 201

Edison, NJ - 08837-3703

Phone No: 732-585-4410

ORDER ID : M2210

ATTENTION : Scott T. Snyder

Table Of Contents for M2210

1) Signature Page 3

2) Case Narrative 5

2.1) Genchem- Case Narrative 5

3) Qualifier Page 6

4) QA Checklist 7

5) Genchem Data 8

6) Shipping Document 61

6.1) CHAIN OF CUSTODY 62

6.2) Air Bill 64

6.3) ROC 65

6.4) Lab Certificate 69

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Cover Page

Order ID : M2210

Project ID : CAS NO.49391

Client : Weston Solutions, Inc.

Lab Sample Number	Client Sample Number
M2210-01	6100-SED26C
M2210-02	6100-SED27A
M2210-03	6100-SED07A
M2210-04	6100-SED07B
M2210-05	6100-SED07C
M2210-06	6100-SED10A
M2210-07	6100-SED10B
M2210-08	6100-SED10C
M2210-09	6100-SED11A
M2210-10	6100-SED11B
M2210-11	6100-SED11C
M2210-12	6100-SED12A
M2210-13	6100-SED12B
M2210-14	6100-SED13A
M2210-15	6100-SED13B
M2210-16	6100-SED13C
M2210-17	6100-SED14A
M2210-18	6100-SED15A
M2210-19	6100-SED16A
M2210-20	6100-SED15B
M2210-21	6100-SED17A
M2210-22	6100-SED18A
M2210-23	6100-SED19A
M2210-24	6100-SED20A
M2210-26	6100-SED26C
M2210-27	6100-SED27A
M2210-28	6100-SED07A
M2210-29	6100-SED07B
M2210-30	6100-SED07C
M2210-31	6100-SED10A

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : N. N. Pandya

APPROVED

Date: 5/12/2021

By Nimisha Pandya, QA/QC Supervisor at 2:00 pm, May 12, 2021

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Cover Page

Order ID : M2210

Project ID : CAS NO.49391

Client : Weston Solutions, Inc.

Lab Sample Number	Client Sample Number
M2210-32	6100-SED10B
M2210-33	6100-SED10C
M2210-34	6100-SED11A
M2210-35	6100-SED11B
M2210-36	6100-SED11C
M2210-37	6100-SED12A
M2210-38	6100-SED12B
M2210-39	6100-SED13A
M2210-40	6100-SED13B
M2210-41	6100-SED13C
M2210-42	6100-SED14A
M2210-43	6100-SED15A
M2210-44	6100-SED15B
M2210-45	6100-SED17A
M2210-46	6100-SED19A
M2210-47	6100-SED20A

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : N. N. Pandya

APPROVED

Date: 5/12/2021

By Nimisha Pandya, QA/QC Supervisor at 2:00 pm, May 12, 2021

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CHEMTECH
284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

CASE NARRATIVE

Weston Solutions, Inc.
Project Name: CAS NO.49391
Project # N/A
Chemtech Project # M2210
Test Name: TOC

A. Number of Samples and Date of Receipt:
46 Solid samples were received on 04/28/2021.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: TOC. This data package contains results for TOC.

C. Analytical Techniques:
The analysis of TOC was based on method Lloyd Kahn and The analysis of TOC was based on method Walkley Black.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.
The Matrix Spike (6100-SED12BMS) analysis met criteria for all samples except for TOC due to matrix of sample.
The Matrix Spike Duplicate (6100-SED12BMSD) analysis met criteria for all samples except for TOC due to matrix of sample.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.

E. Additional Comments:
There are high concentration for TOC in Sample#01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16,17,18,20,21,23,24 and these samples are logged and analyzed by Walkley Black method in same package.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_ N. N. Pandya

APPROVED
By Nimisha Pandya, QA/QC Supervisor at 2:01 pm, May 12, 2021

DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following " Results Qualifiers" are used:

J	Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	Indicates the analyte was analyzed for, but not detected.
ND	Indicates the analyte was analyzed for, but not detected
E	Indicates the reported value is estimated because of the presence of interference
M	Indicates Duplicate injection precision not met.
N	Indicates the spiked sample recovery is not within control limits.
S	Indicates the reported value was determined by the Method of Standard Addition (MSA).
*	Indicates that the duplicate analysis is not within control limits.
+	Indicates the correlation coefficient for the MSA is less than 0.995.
D	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers **"P"** for ICP instrument **"PM"** for ICP when Microwave Digestion is used **"CV"** for Manual Cold Vapor AA **"AV"** for automated Cold Vapor AA **"CA"** for MIDI-Distillation Spectrophotometric **"AS"** for Semi –Automated Spectrophotometric **"C"** for Manual Spectrophotometric **"T"** for Titrimetric **"NR"** for analyte not required to be analyzed
OR	Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.
Q	Indicates the LCS did not meet the control limits requirements
H	Sample Analysis Out Of Hold Time

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **M2210**

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

1st Level QA Review Signature: **NIMISHA PANDYA** **Date:** **05/12/2021**

2nd Level QA Review Signature: _____ **Date:** _____

SAMPLE DATA

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED26C

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/26/21 09:25
Project:	CAS NO.49391	Date Received:	04/28/21
Client Sample ID:	6100-SED26C	SDG No.:	M2210
Lab Sample ID:	M2210-01	Matrix:	SOIL
		% Solid:	44.8

CLP No. BG515

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	38200	OR	1	15.2	250	mg/Kg		05/04/21 10:31	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED27A

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/27/21 11:50
Project:	CAS NO.49391	Date Received:	04/28/21
Client Sample ID:	6100-SED27A	SDG No.:	M2210
Lab Sample ID:	M2210-02	Matrix:	SOIL
		% Solid:	32.4

CLP No. BG516

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	34900	OR	1	15.2	250	mg/Kg		05/04/21 10:53	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED07A

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/26/21 08:55
Project:	CAS NO.49391	Date Received:	04/28/21
Client Sample ID:	6100-SED07A CLP No. BG576	SDG No.:	M2210
Lab Sample ID:	M2210-03	Matrix:	SOIL
		% Solid:	32.1

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	34300	OR	1	15.2	250	mg/Kg		05/04/21 11:21	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time
J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED07B

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/26/21 09:05
Project:	CAS NO.49391	Date Received:	04/28/21
Client Sample ID:	6100-SED07B	SDG No.:	M2210
Lab Sample ID:	M2210-04	Matrix:	SOIL
		% Solid:	36.3

CLP No. BG577

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	44300	OR	1	15.2	250	mg/Kg		05/04/21 11:44	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED07C Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/26/21 09:15
Project:	CAS NO.49391	Date Received:	04/28/21
Client Sample ID:	6100-SED07C CLP No. BG578	SDG No.:	M2210
Lab Sample ID:	M2210-05	Matrix:	SOIL
		% Solid:	40.8

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	45000	OR	1	15.2	250	mg/Kg		05/04/21 12:14	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED10A **Report of Analysis**

Client:	Weston Solutions, Inc.	Date Collected:	04/26/21 10:20
Project:	CAS NO.49391	Date Received:	04/28/21
Client Sample ID:	6100-SED10A CLP No. BG585	SDG No.:	M2210
Lab Sample ID:	M2210-06	Matrix:	SOIL
		% Solid:	50.6

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	48800	OR	1	15.2	250	mg/Kg		05/04/21 12:38	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED10B Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/26/21 10:30
Project:	CAS NO.49391	Date Received:	04/28/21
Client Sample ID:	6100-SED10B	SDG No.:	M2210
Lab Sample ID:	M2210-07	Matrix:	SOIL
		% Solid:	35.8

CLP No. BG586

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	57300	OR	1	15.2	250	mg/Kg		05/04/21 13:04	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time
J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED10C Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/26/21 10:40
Project:	CAS NO.49391	Date Received:	04/28/21
Client Sample ID:	6100-SED10C CLP No. BG587	SDG No.:	M2210
Lab Sample ID:	M2210-08	Matrix:	SOIL
		% Solid:	68.5

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	23000	OR	1	15.2	250	mg/Kg		05/04/21 13:39	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time
J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED11A

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/26/21 11:10
Project:	CAS NO.49391	Date Received:	04/28/21
Client Sample ID:	6100-SED11A	SDG No.:	M2210
Lab Sample ID:	M2210-09	Matrix:	SOIL
		% Solid:	77.1

CLP No. BG588

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	16800	OR	1	15.2	250	mg/Kg		05/04/21 14:22	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time
J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED11B Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/26/21 11:20
Project:	CAS NO.49391	Date Received:	04/28/21
Client Sample ID:	6100-SED11B CLP No. BG589	SDG No.:	M2210
Lab Sample ID:	M2210-10	Matrix:	SOIL
		% Solid:	69.7

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	25600	OR	1	15.2	250	mg/Kg		05/04/21 14:44	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED11C Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/26/21 11:30
Project:	CAS NO.49391	Date Received:	04/28/21
Client Sample ID:	6100-SED11C CLP No. BG590	SDG No.:	M2210
Lab Sample ID:	M2210-11	Matrix:	SOIL
		% Solid:	66

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	44400	OR	1	15.2	250	mg/Kg		05/04/21 15:06	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time
J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED12A Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/26/21 12:15
Project:	CAS NO.49391	Date Received:	04/28/21
Client Sample ID:	6100-SED12A CLP No. BG591	SDG No.:	M2210
Lab Sample ID:	M2210-12	Matrix:	SOIL
		% Solid:	68.7

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	18000	OR	1	15.2	250	mg/Kg		05/04/21 15:49	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED12B

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/26/21 12:25
Project:	CAS NO.49391	Date Received:	04/28/21
Client Sample ID:	6100-SED12B	SDG No.:	M2210
Lab Sample ID:	M2210-13	Matrix:	SOIL
		% Solid:	77.6

CLP No. BG592

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	13800	OR	1	15.2	250	mg/Kg		05/04/21 16:10	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED13A Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/26/21 13:00
Project:	CAS NO.49391	Date Received:	04/28/21
Client Sample ID:	6100-SED13A CLP No. BG594	SDG No.:	M2210
Lab Sample ID:	M2210-14	Matrix:	SOIL
		% Solid:	55.5

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	76900	OR	1	15.2	250	mg/Kg		05/05/21 09:33	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED13B

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/26/21 13:10
Project:	CAS NO.49391	Date Received:	04/28/21
Client Sample ID:	6100-SED13B CLP No. BG595	SDG No.:	M2210
Lab Sample ID:	M2210-15	Matrix:	SOIL
		% Solid:	41.4

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	59900	OR	1	15.2	250	mg/Kg		05/05/21 09:53	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time
J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED13C

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/26/21 13:20
Project:	CAS NO.49391	Date Received:	04/28/21
Client Sample ID:	6100-SED13C CLP No. BG596	SDG No.:	M2210
Lab Sample ID:	M2210-16	Matrix:	SOIL
		% Solid:	50.2

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	41100	OR	1	15.2	250	mg/Kg		05/05/21 10:11	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED14A Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/27/21 11:10
Project:	CAS NO.49391	Date Received:	04/28/21
Client Sample ID:	6100-SED14A CLP No. BG597	SDG No.:	M2210
Lab Sample ID:	M2210-17	Matrix:	SOIL
		% Solid:	83

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	24200	OR	1	15.2	250	mg/Kg		05/05/21 10:39	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time
J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED15A

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/27/21 11:45
Project:	CAS NO.49391	Date Received:	04/28/21
Client Sample ID:	6100-SED15A CLP No. BG5A0	SDG No.:	M2210
Lab Sample ID:	M2210-18	Matrix:	SOIL
		% Solid:	39.3

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	33100	OR	1	15.2	250	mg/Kg		05/05/21 11:05	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time
J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED16A

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/27/21 14:00
Project:	CAS NO.49391	Date Received:	04/28/21
Client Sample ID:	6100-SED16A	SDG No.:	M2210
Lab Sample ID:	M2210-19	Matrix:	SOIL
		% Solid:	81.2

CLP No. BG5A3

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	10900		1	15.2	250	mg/Kg		05/05/21 11:21	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time
J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED15B Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/27/21 11:55
Project:	CAS NO.49391	Date Received:	04/28/21
Client Sample ID:	6100-SED15B	SDG No.:	M2210
Lab Sample ID:	M2210-20	Matrix:	SOIL
		% Solid:	63.6

CLP No. BGSA1

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	19500	OR	1	15.2	250	mg/Kg		05/05/21 11:43	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time
J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED17A Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/27/21 13:45
Project:	CAS NO.49391	Date Received:	04/28/21
Client Sample ID:	6100-SED17A CLP No. BG5A6	SDG No.:	M2210
Lab Sample ID:	M2210-21	Matrix:	SOIL
		% Solid:	52.4

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	45500	OR	1	15.2	250	mg/Kg		05/05/21 12:08	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time
J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED18A Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/27/21 13:30
Project:	CAS NO.49391	Date Received:	04/28/21
Client Sample ID:	6100-SED18A	SDG No.:	M2210
Lab Sample ID:	M2210-22	Matrix:	SOIL
		% Solid:	73.6

CLP No. BG5A9

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	9780		1	15.2	250	mg/Kg		05/05/21 12:58	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED159

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/27/21 13:15
Project:	CAS NO.49391	Date Received:	04/28/21
Client Sample ID:	6100-SED19A	SDG No.:	M2210
Lab Sample ID:	M2210-23	Matrix:	SOIL
		% Solid:	30.6

CLP No. BG5B2

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	57800	OR	1	15.2	250	mg/Kg		05/05/21 14:03	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED20A

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/27/21 13:00
Project:	CAS NO.49391	Date Received:	04/28/21
Client Sample ID:	6100-SED20A CLP No. BG55	SDG No.:	M2210
Lab Sample ID:	M2210-24	Matrix:	SOIL
		% Solid:	69.6

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	13200	OR	1	15.2	250	mg/Kg		05/05/21 14:18	Lloyd Kahn

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time
J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED26C

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/26/21 09:25
Project:	CAS NO.49391	Date Received:	04/28/21
Client Sample ID:	6100-SED26C	SDG No.:	M2210
Lab Sample ID:	M2210-26	Matrix:	SOIL
		% Solid:	100

CLP No. BG515

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	114000		1	500	500	mg/Kg		05/07/21 12:33	Walkley-Black

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED27A

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/27/21 11:50
Project:	CAS NO.49391	Date Received:	04/28/21
Client Sample ID:	6100-SED27A	SDG No.:	M2210
Lab Sample ID:	M2210-27	Matrix:	SOIL
		% Solid:	100

CLP No. BG516

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	97400		1	500	500	mg/Kg		05/07/21 12:38	Walkley-Black

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED07A Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/26/21 08:55
Project:	CAS NO.49391	Date Received:	04/28/21
Client Sample ID:	6100-SED07A CLP No. BG576	SDG No.:	M2210
Lab Sample ID:	M2210-28	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	98800		1	500	500	mg/Kg		05/07/21 12:43	Walkley-Black

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED07B

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/26/21 09:05
Project:	CAS NO.49391	Date Received:	04/28/21
Client Sample ID:	6100-SED07B CLP No. BG577	SDG No.:	M2210
Lab Sample ID:	M2210-29	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	132000		1	500	500	mg/Kg		05/07/21 12:48	Walkley-Black

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time
J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED07C

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/26/21 09:15
Project:	CAS NO.49391	Date Received:	04/28/21
Client Sample ID:	6100-SED07C CLP No. BG578	SDG No.:	M2210
Lab Sample ID:	M2210-30	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	95000		1	500	500	mg/Kg		05/07/21 12:52	Walkley-Black

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time
J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED10A

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/26/21 10:20
Project:	CAS NO.49391	Date Received:	04/28/21
Client Sample ID:	6100-SED10A	SDG No.:	M2210
Lab Sample ID:	M2210-31	Matrix:	SOIL
		% Solid:	100

CLP No. BG585

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	106000		1	500	500	mg/Kg		05/07/21 12:57	Walkley-Black

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED10B Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/26/21 10:30
Project:	CAS NO.49391	Date Received:	04/28/21
Client Sample ID:	6100-SED10B	SDG No.:	M2210
Lab Sample ID:	M2210-32	Matrix:	SOIL
		% Solid:	100

CLP No. BG586

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	181000		1	500	500	mg/Kg		05/07/21 13:01	Walkley-Black

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED10C

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/26/21 10:40
Project:	CAS NO.49391	Date Received:	04/28/21
Client Sample ID:	6100-SED10C	SDG No.:	M2210
Lab Sample ID:	M2210-33	Matrix:	SOIL
		% Solid:	100

CLP No. BG587

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	30900		1	500	500	mg/Kg		05/07/21 13:05	Walkley-Black

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED11A

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/26/21 11:10
Project:	CAS NO.49391	Date Received:	04/28/21
Client Sample ID:	6100-SED11A	SDG No.:	M2210
Lab Sample ID:	M2210-34	Matrix:	SOIL
		% Solid:	100

CLP No. BG588

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	17900		1	500	500	mg/Kg		05/07/21 13:10	Walkley-Black

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED11B

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/26/21 11:20
Project:	CAS NO.49391	Date Received:	04/28/21
Client Sample ID:	6100-SED11B	SDG No.:	M2210
Lab Sample ID:	M2210-35	Matrix:	SOIL
		% Solid:	100

CLP No. BG589

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	28700		1	500	500	mg/Kg		05/07/21 13:14	Walkley-Black

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED11C

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/26/21 11:30
Project:	CAS NO.49391	Date Received:	04/28/21
Client Sample ID:	6100-SED11C	SDG No.:	M2210
Lab Sample ID:	M2210-36	Matrix:	SOIL
		% Solid:	100

CLP No. BG590

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	84400		1	500	500	mg/Kg		05/07/21 13:20	Walkley-Black

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED12A Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/26/21 12:15
Project:	CAS NO.49391	Date Received:	04/28/21
Client Sample ID:	6100-SED12A CLP No. BG591	SDG No.:	M2210
Lab Sample ID:	M2210-37	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	19300		1	500	500	mg/Kg		05/07/21 13:24	Walkley-Black

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED12B Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/26/21 12:25
Project:	CAS NO.49391	Date Received:	04/28/21
Client Sample ID:	6100-SED12B	SDG No.:	M2210
Lab Sample ID:	M2210-38	Matrix:	SOIL
		% Solid:	100

CLP No. BG592

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	11000		1	500	500	mg/Kg		05/07/21 13:28	Walkley-Black

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED13A Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/26/21 13:00
Project:	CAS NO.49391	Date Received:	04/28/21
Client Sample ID:	6100-SED13A	SDG No.:	M2210
Lab Sample ID:	M2210-39	Matrix:	SOIL
		% Solid:	100

CLP No. BG594

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	116000		1	500	500	mg/Kg		05/07/21 13:32	Walkley-Black

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED13B

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/26/21 13:10
Project:	CAS NO.49391	Date Received:	04/28/21
Client Sample ID:	6100-SED13B	SDG No.:	M2210
Lab Sample ID:	M2210-40	Matrix:	SOIL
		% Solid:	100

CLP No. BG595

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	112000		1	500	500	mg/Kg		05/07/21 13:37	Walkley-Black

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time
J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED13C

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/26/21 13:20
Project:	CAS NO.49391	Date Received:	04/28/21
Client Sample ID:	6100-SED13C CLP No. BG596	SDG No.:	M2210
Lab Sample ID:	M2210-41	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	76000		1	500	500	mg/Kg		05/07/21 13:42	Walkley-Black

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED14A

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/27/21 11:10
Project:	CAS NO.49391	Date Received:	04/28/21
Client Sample ID:	6100-SED14A	SDG No.:	M2210
Lab Sample ID:	M2210-42	Matrix:	SOIL
		% Solid:	100

CLP No. BG597

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	24800		1	500	500	mg/Kg		05/07/21 13:47	Walkley-Black

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED15A **Report of Analysis**

Client:	Weston Solutions, Inc.	Date Collected:	04/27/21 11:45
Project:	CAS NO.49391	Date Received:	04/28/21
Client Sample ID:	6100-SED15A	SDG No.:	M2210
Lab Sample ID:	M2210-43	Matrix:	SOIL
		% Solid:	100

CLP No. BG5A0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	66500		1	500	500	mg/Kg		05/07/21 13:52	Walkley-Black

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED15B

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/27/21 11:55
Project:	CAS NO.49391	Date Received:	04/28/21
Client Sample ID:	6100-SED15B	SDG No.:	M2210
Lab Sample ID:	M2210-44	Matrix:	SOIL
		% Solid:	100

CLP No. BG5A1

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	31400		1	500	500	mg/Kg		05/07/21 13:57	Walkley-Black

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED17A Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/27/21 13:45
Project:	CAS NO.49391	Date Received:	04/28/21
Client Sample ID:	6100-SED17A CLP No. BG5A6	SDG No.:	M2210
Lab Sample ID:	M2210-45	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	97800		1	500	500	mg/Kg		05/07/21 14:04	Walkley-Black

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED19A

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/27/21 13:15
Project:	CAS NO.49391	Date Received:	04/28/21
Client Sample ID:	6100-SED19A CLP No. BG5B2	SDG No.:	M2210
Lab Sample ID:	M2210-46	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	138000		1	500	500	mg/Kg		05/07/21 14:08	Walkley-Black

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Field Sample ID: 6100-SED20A Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	04/27/21 13:00
Project:	CAS NO.49391	Date Received:	04/28/21
Client Sample ID:	6100-SED20A	SDG No.:	M2210
Lab Sample ID:	M2210-47	Matrix:	SOIL
		% Solid:	100

CLP No. BG5B5

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	21100		1	500	500	mg/Kg		05/07/21 14:12	Walkley-Black

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

CHEMTECH

284 Sheffield Street, Mountainside, New Jersey - 07092

Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID:	M2210	**OrderDate:**	4/28/2021 11:08:00 AM
Client:	Weston Solutions, Inc.	**Project:**	CAS NO.49391
Contact:	Scott T. Snyder	**Location:**	O21,P31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
M2210-01	**6100-SED26C**	**SOIL**			**04/26/21 09:25**			**04/28/21**
			TOC	Lloyd Kahn			05/04/21 10:31	
M2210-02	**6100-SED27A**	**SOIL**			**04/27/21 11:50**			**04/28/21**
			TOC	Lloyd Kahn			05/04/21 10:53	
M2210-03	**6100-SED07A**	**SOIL**			**04/26/21 08:55**			**04/28/21**
			TOC	Lloyd Kahn			05/04/21 11:21	
M2210-04	**6100-SED07B**	**SOIL**			**04/26/21 09:05**			**04/28/21**
			TOC	Lloyd Kahn			05/04/21 11:44	
M2210-05	**6100-SED07C**	**SOIL**			**04/26/21 09:15**			**04/28/21**
			TOC	Lloyd Kahn			05/04/21 12:14	
M2210-06	**6100-SED10A**	**SOIL**			**04/26/21 10:20**			**04/28/21**
			TOC	Lloyd Kahn			05/04/21 12:38	
M2210-07	**6100-SED10B**	**SOIL**			**04/26/21 10:30**			**04/28/21**
			TOC	Lloyd Kahn			05/04/21 13:04	
M2210-08	**6100-SED10C**	**SOIL**			**04/26/21 10:40**			**04/28/21**

LAB CHRONICLE

			TOC	Lloyd Kahn		05/04/21 13:39	
M2210-09	**6100-SED11A**	**SOIL**			**04/26/21 11:10**		**04/28/21**
			TOC	Lloyd Kahn		05/04/21 14:22	
M2210-10	**6100-SED11B**	**SOIL**			**04/26/21 11:20**		**04/28/21**
			TOC	Lloyd Kahn		05/04/21 14:44	
M2210-11	**6100-SED11C**	**SOIL**			**04/26/21 11:30**		**04/28/21**
			TOC	Lloyd Kahn		05/04/21 15:06	
M2210-12	**6100-SED12A**	**SOIL**			**04/26/21 12:15**		**04/28/21**
			TOC	Lloyd Kahn		05/04/21 15:49	
M2210-13	**6100-SED12B**	**SOIL**			**04/26/21 12:25**		**04/28/21**
			TOC	Lloyd Kahn		05/04/21 16:10	
M2210-14	**6100-SED13A**	**SOIL**			**04/26/21 13:00**		**04/28/21**
			TOC	Lloyd Kahn		05/05/21 09:33	
M2210-15	**6100-SED13B**	**SOIL**			**04/26/21 13:10**		**04/28/21**
			TOC	Lloyd Kahn		05/05/21 09:53	
M2210-16	**6100-SED13C**	**SOIL**			**04/26/21 13:20**		**04/28/21**
			TOC	Lloyd Kahn		05/05/21 10:11	
M2210-17	**6100-SED14A**	**SOIL**			**04/27/21 11:10**		**04/28/21**
			TOC	Lloyd Kahn		05/05/21 10:39	

LAB CHRONICLE

M2210-18	**6100-SED15A**	**SOIL**			**04/27/21 11:45**		**04/28/21**
			TOC	Lloyd Kahn		05/05/21 11:05	
M2210-19	**6100-SED16A**	**SOIL**			**04/27/21 14:00**		**04/28/21**
			TOC	Lloyd Kahn		05/05/21 11:21	
M2210-20	**6100-SED15B**	**SOIL**			**04/27/21 11:55**		**04/28/21**
			TOC	Lloyd Kahn		05/05/21 11:43	
M2210-21	**6100-SED17A**	**SOIL**			**04/27/21 13:45**		**04/28/21**
			TOC	Lloyd Kahn		05/05/21 12:08	
M2210-22	**6100-SED18A**	**SOIL**			**04/27/21 13:30**		**04/28/21**
			TOC	Lloyd Kahn		05/05/21 12:58	
M2210-23	**6100-SED19A**	**SOIL**			**04/27/21 13:15**		**04/28/21**
			TOC	Lloyd Kahn		05/05/21 14:03	
M2210-24	**6100-SED20A**	**SOIL**			**04/27/21 13:00**		**04/28/21**
			TOC	Lloyd Kahn		05/05/21 14:18	
M2210-26	**6100-SED26C**	**SOIL**			**04/26/21 09:25**		**04/28/21**
			TOC	Walkley Black		05/07/21 12:33	
M2210-27	**6100-SED27A**	**SOIL**			**04/27/21 11:50**		**04/28/21**
			TOC	Walkley Black		05/07/21 12:38	

LAB CHRONICLE

M2210-28	**6100-SED07A**	**SOIL**			**04/26/21 08:55**		**04/28/21**
			TOC	Walkley Black		05/07/21 12:43	
M2210-29	**6100-SED07B**	**SOIL**			**04/26/21 09:05**		**04/28/21**
			TOC	Walkley Black		05/07/21 12:48	
M2210-30	**6100-SED07C**	**SOIL**			**04/26/21 09:15**		**04/28/21**
			TOC	Walkley Black		05/07/21 12:52	
M2210-31	**6100-SED10A**	**SOIL**			**04/26/21 10:20**		**04/28/21**
			TOC	Walkley Black		05/07/21 12:57	
M2210-32	**6100-SED10B**	**SOIL**			**04/26/21 10:30**		**04/28/21**
			TOC	Walkley Black		05/07/21 13:01	
M2210-33	**6100-SED10C**	**SOIL**			**04/26/21 10:40**		**04/28/21**
			TOC	Walkley Black		05/07/21 13:05	
M2210-34	**6100-SED11A**	**SOIL**			**04/26/21 11:10**		**04/28/21**
			TOC	Walkley Black		05/07/21 13:10	
M2210-35	**6100-SED11B**	**SOIL**			**04/26/21 11:20**		**04/28/21**
			TOC	Walkley Black		05/07/21 13:14	
M2210-36	**6100-SED11C**	**SOIL**			**04/26/21 11:30**		**04/28/21**
			TOC	Walkley Black		05/07/21 13:20	
M2210-37	**6100-SED12A**	**SOIL**			**04/26/21 12:15**		**04/28/21**

LAB CHRONICLE

			TOC	Walkley Black		05/07/21 13:24	
M2210-38	**6100-SED12B**	**SOIL**			**04/26/21 12:25**		**04/28/21**
			TOC	Walkley Black		05/07/21 13:28	
M2210-39	**6100-SED13A**	**SOIL**			**04/26/21 13:00**		**04/28/21**
			TOC	Walkley Black		05/07/21 13:32	
M2210-40	**6100-SED13B**	**SOIL**			**04/26/21 13:10**		**04/28/21**
			TOC	Walkley Black		05/07/21 13:37	
M2210-41	**6100-SED13C**	**SOIL**			**04/26/21 13:20**		**04/28/21**
			TOC	Walkley Black		05/07/21 13:42	
M2210-42	**6100-SED14A**	**SOIL**			**04/27/21 11:10**		**04/28/21**
			TOC	Walkley Black		05/07/21 13:47	
M2210-43	**6100-SED15A**	**SOIL**			**04/27/21 11:45**		**04/28/21**
			TOC	Walkley Black		05/07/21 13:52	
M2210-44	**6100-SED15B**	**SOIL**			**04/27/21 11:55**		**04/28/21**
			TOC	Walkley Black		05/07/21 13:57	
M2210-45	**6100-SED17A**	**SOIL**			**04/27/21 13:45**		**04/28/21**
			TOC	Walkley Black		05/07/21 14:04	
M2210-46	**6100-SED19A**	**SOIL**			**04/27/21 13:15**		**04/28/21**
			TOC	Walkley Black		05/07/21 14:08	

CHEMTECH
284 Sheffield Street, Mountainside, New Jersey - 07092
Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

M2210-47	**6100-SED20A**	**SOIL**		**04/27/21 13:00**		**04/28/21**
			TOC	Walkley Black	05/07/21 14:12	

SHIPPING DOCUMENTS

M2210

USEPA
Date Shipped: 4/23/2021
CarrierName: FedEx
AirbillNo: 773559235180

CHAIN OF CUSTODY RECORD
Site #: 6100
Contact Name: Denise Driscoll
Contact Phone: 732-417-5814

No: 2-042721-142658-0033
Cooler #: 1 of 1
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	6100-SED26C	SED07	TAL TOC	Sediment	4/26/2021	09:25	1	4-oz. glass jar	4 C	N
	6100-SED27A	SED15	TAL TOC	Sediment	4/27/2021	11:50	1	4-oz. glass jar	4 C	N
	6100-SED07A	SED07	TAL TOC	Sediment	4/26/2021	08:55	1	4-oz. glass jar	4 C	N
	6100-SED07B	SED07	TAL TOC	Sediment	4/26/2021	09:05	1	4-oz. glass jar	4 C	N
	6100-SED07C	SED07	TAL TOC	Sediment	4/26/2021	09:15	1	4-oz. glass jar	4 C	N
	6100-SED10A	SED10	TAL TOC	Sediment	4/26/2021	10:20	1	4-oz. glass jar	4 C	N
	6100-SED10B	SED10	TAL TOC	Sediment	4/26/2021	10:30	1	4-oz. glass jar	4 C	N
	6100-SED10C	SED10	TAL TOC	Sediment	4/26/2021	10:40	1	4-oz. glass jar	4 C	N
	6100-SED11A	SED11/SW11	TAL TOC	Sediment	4/26/2021	11:10	1	4-oz. glass jar	4 C	N
	6100-SED11B	SED11/SW11	TAL TOC	Sediment	4/26/2021	11:20	1	4-oz. glass jar	4 C	N
	6100-SED11C	SED11/SW11	TAL TOC	Sediment	4/26/2021	11:30	1	4-oz. glass jar	4 C	N
	6100-SED12A	SED12	TAL TOC	Sediment	4/26/2021	12:15	1	4-oz. glass jar	4 C	N
	6100-SED12B	SED12	TAL TOC	Sediment	4/26/2021	12:25	1	4-oz. glass jar	4 C	N
	6100-SED13A	SED13/SW13	TAL TOC	Sediment	4/26/2021	13:00	1	4-oz. glass jar	4 C	N
	6100-SED13B	SED13/SW13	TAL TOC	Sediment	4/26/2021	13:10	1	4-oz. glass jar	4 C	N
	6100-SED13C	SED13/SW13	TAL TOC	Sediment	4/26/2021	13:20	1	4-oz. glass jar	4 C	N
	6100-SED14A	SED14/SW14	TAL TOC	Sediment	4/27/2021	11:10	1	4-oz. glass jar	4 C	N
	6100-SED15A	SED15	TAL TOC	Sediment	4/27/2021	11:45	1	4-oz. glass jar	4 C	N
	6100-SED16A	SED16	TAL TOC	Sediment	4/27/2021	14:00	1	4-oz. glass jar	4 C	N
	6100-SED15B	SED15	TAL TOC	Sediment	4/27/21	11:55	1	4-oz glass jar	4C	N

Special Instructions: PO #0106152

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples	Denise Driscoll/WESTON	4/27/21/1730	FedEx		
				10:00 4-28-21	If Cur #1 2.7-C
					Custody Seal Intact
				CP 4-28-21	Temp Blank present
					No tags

USEPA
Date Shipped: 4/23/2021
CarrierName: FedEx
AirbillNo: 773559235180

CHAIN OF CUSTODY RECORD
Site #: 6100
Contact Name: Denise Driscoll
Contact Phone: 732-417-5814

No: 2-042721-142658-0033
Cooler #: 1 of 1
Lab: Chemtech Consulting Group
Lab Phone: 908-789-8900

Lab #	Sample #	Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	6100-SED17A	SED17	TAL TOC	Sediment	4/27/2021	13:45	1	4-oz. glass jar	4 C	N
	6100-SED18A	SED18	TAL TOC	Sediment	4/27/2021	13:30	1	4-oz. glass jar	4 C	N
	6100-SED19A	SED19	TAL TOC	Sediment	4/27/2021	13:15	1	4-oz. glass jar	4 C	N
	6100-SED20A	SED20/SW20	TAL TOC	Sediment	4/27/2021	13:00	1	4-oz. glass jar	4 C	N

Special Instructions: PO #0106152

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
All Samples	Denise Driscoll/WESTON	4/27/21/1730	FedEx		
				10:00 4-28-21	~~IR~~-6un#1 2.7-C
					Custody Seal Intact
				CP 4-28-21	Temp Blank present NO Tags

M2210

ORIGIN ID:LDJA
DENISE DRISCOLL (908) 510-3798

1090 KING GEORGES POST RD
SUITE 201
EDISON, NJ 08837
UNITED STATES US

SHIP DATE: 27APR21
ACTWGT: 35.00 LB
CAD: 111326796/INET4340
DIMS: 17x15x11 IN

BILL SENDER

TO **KURT HUMMLER**
CHEMTECH CONSULTING
284 SHEFFIELD STREET

MOUNTAINSIDE NJ 07092
(908) 789-8900
INV:
PO:
REF: TD # 40200.025.030.6100
DEPT:

M2210

56DJ3/F9A6/FE4A

J211321033101uv

FedEx Express

4.28.21 10:00 2-7-

TRK# 0201 **7735 5923 5180**

WED - 28 APR 4:30P
STANDARD OVERNIGHT

E2 KBCA

07092
EWR
NJ-US

After printing this label:
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

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From: Snyder, Scott <S.Snyder@WestonSolutions.com>
Sent: Wednesday, April 28, 2021 12:35
To: s.chaim@chemtech.net
Cc: kurt@chemtech.net
Subject: Re: [EXT]:M2210 - CAS NO.49391

Yes, that will fine. Thanks for checking.

Scott

Sent from my Tricorder

On Apr 28, 2021, at 11:57 AM, Steven Chaimowitz <S.Chaim@chemtech.net> wrote:

CAUTION: ***External Message***

Hi Scott,
Just want to confirm will it be okay for the lab to log all of these samples together in 1 SDG? I ask because the COC indicates these samples belong together but there is more than 20 samples so just want to be sure.

Thanks!

Steven Chaimowitz
Project Manager

CHEMTECH

284 Sheffield St. | Mountainside, NJ 07092
Direct: (908) 728-3147
s.chaim@chemtech.net | www.chemtech.net

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<image001.jpg>

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From: Snyder, Scott <S.Snyder@WestonSolutions.com>
Sent: Thursday, May 06, 2021 10:47
To: s.chaim@chemtech.net
Cc: kurt@chemtech.net; Gilliland, Gerald
Subject: RE: [EXT]:M2210 - CAS NO.49391

Understood.

thanks

From: Steven Chaimowitz <S.Chaim@chemtech.net>
Sent: Thursday, May 6, 2021 10:44 AM
To: Snyder, Scott <S.Snyder@WestonSolutions.com>
Cc: kurt@chemtech.net
Subject: [EXT]:M2210 - CAS NO.49391

CAUTION: ***External Message***

Hi Scott,
Please be advised all samples were over range for calibration via Lloyd Kahn method for project M2210 with the exception of samples "6100-SED16A"and "6100-SED18A". The lab will proceed with analysis for all samples over range via Walkley balk method. Please let me know if you have any questions. Thank you.

Regards,

Steven Chaimowitz
Project Manager

CHEMTECH

284 Sheffield St. | Mountainside, NJ 07092
Direct: (908) 728-3147
s.chaim@chemtech.net | www.chemtech.net

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Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0649
DOD ELAP (L-A-B)	L2219
Maine	2020021
Maryland	296
New Hampshire	255420
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	P330-18-00132
Texas	T104704488-20-13

PROJECT NOTE	WESTON SOLUTIONS, INC.
To: Coney Island Creek site file	**Date:** July 27, 2021
W.O. No.: 40200.036.049.6200	
From: Kelly Gaffney, WESTON	
Subject: Determination of population within the 4-mile target distance limit of the Site.	

References

1. U.S. Department of Commerce, U.S. Census Bureau, Geography Division. TIGER/Line Shapefile, 2010, 2010 state, New York, 2010 Census Block State-based. Accessible at http://www.census.gov/geo/www/tiger. Downloaded May 2018.

This project note serves to assign the populations located within 4 miles of the Coney Island Creek site as specified by the Hazard Ranking System (HRS). WESTON obtained and interpreted 2010 U.S. Census Bureau residential population data as follows:

1. Mapped the site reference location which was confirmed during the March 2021 Site Reassessment Reconnaissance.
2. Created and mapped ¼, ½, 1, 2, 3, and 4 mile buffers from the site reference point using the ESRI ArcGIS 10.7.1 Multiple Ring Buffer tool.
3. Downloaded 2020 Census block population data and GIS coverage from the U.S. Census Bureau website.
4. Used XTools Pro for ArcGIS desktop version 20.0 to calculate the total area for each Census block, some of which straddle distance category boundaries.
5. Used the ESRI ArcGIS 10.7.1 Clip function to divide blocks and assign partial blocks to appropriate distance categories.
6. Used XTools Pro to calculate the new areas of each partial block after being clipped.
7. Assigned populations for each block proportionally to appropriate distance categories according to area using the formula {(Partial Area/Total Area)*Block Population}.
8. Calculated population for each distance category by totaling block and partial-block populations as assigned.
9. Evaluated the populations for level of contamination according to the HRS and as presented below.

PROJECT NOTE WESTON SOLUTIONS, INC.

The population by distance ring can be summarized as follows:

Distance	**Population**
On-site	0
>0 - ¼ mi	23,923
>¼ - ½ mi	38,708
>½ - 1 mi	72,356
>1 - 2 mi	213,826
>2 - 3 mi	225,144
>3 - 4 mi	358,522

Total population: 932,479



Kelly Gaffney
Associate Scientist

United States Environmental Protection Agency

Solid Waste and Emergency Response

EPA 540-F-94-028
OSWER 9285.7-14FS
PB94-963311
November 1996

Using Qualified Data to Document an Observed Release and Observed Contamination

Office of Emergency and Remedial Response (5204G)

Quick Reference Fact Sheet

This fact sheet discusses the use of the U.S. Environmental Protection Agency's (EPA) Contract Laboratory Program (CLP) data and other sources of data qualified with a "J", "U", or "UJ" qualified or flag. This guidance provides a management decision tool for the optional use of qualified data to document all observed release and observed contamination by chemical analysis under EPA's Hazard Ranking System (HRS). The analyte and sample matrix (i.e., soil or water) specific adjustment factors given in this fact sheet allow biased CLP and non-CLP data to be adjusted to meet the HRS criteria documenting an observed release and observed contamination with data that are of known and documented quality. This fact sheet does not address using qualified data for identifying hazardous substances in a source.

INTRODUCTION

The EPA established the HRS to rank hazardous waste sites for National Priorities List (NPL) purposes under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) as amended by the Superfund Amendments and Reauthorization Act of 1986 (SARA). This fact sheet was developed in response to a need to determine the usability of qualified data for site assessment and HRS scoring purposes. This fact sheet illustrates that qualified data are often of sufficiently known and documented quality, and may be used in establishing an observed release and observed contamination. This fact sheet explains rationale for why some qualified data may be used for HRS purposes; presents the background information needed to use qualified data, with and without adjustment factors; provides examples of qualified data use, and discusses issues raised during the development of the adjustment factor approach.

Under the HRS, chemical analytical data we are often used to demonstrate an observed release and observed contamination when the release sample concentration is three times the background concentration and background levels are greater than or equal to the appropriate detection limit; or if the release sample concentration is greater than or equal to the appropriate quantitation limit when background levels are below the appropriate detection limit. The release must also be at least partially attributable to the site under investigation (*Hazard Ranking System, Final Rule, 40* CFR Part 300, App. A). The data used to establish the release must be of known and documented quality. (*Hazard Ranking System Guidance Manual,* Interim Final, November 1992, OSWER Directive 9345.1-07). Data that cannot be validated may not be of known and documented quality. For more information on observed release and observed contamination, refer to the fact sheets: *Establishing an Observed Release,* September 1995, PB94-963314; *Establishing Areas of Observed Contamination.* September 1995, PB94-963312; and *Establishing Background Levels,* September 1995, PB94-963313. The factor of three represents the minimum difference in sample results that demonstrate an increase in contaminant concentration above background levels, with reasonable confidence.

Although much of the analytical data used for identifying an observed release is generated under EPA's CLP, this fact sheet applies to all data regardless of the source of the data (non-CLP data). EPA procedures require that

CLP analytical data be reviewed, or validated by EPA or third party reviewers, to ensure the data are of known and documented quality and that the determination be discussed in a data validation report that accompanies the analytical results. Based on this data validation, CLP data are classified into three categories: (1) data for which all quality control (QC) requirements have passed contract required acceptance criteria, (2) data for which at least one QC requirement has not met acceptance criteria; and (3) data for which most or all QC requirements have not met acceptance criteria. Data in the first category typically are not qualified. Data in the second category are often qualified with a "J" qualifier and, as discussed in this fact sheet, are usually usable for HRS purposes. Data in the third category are usually qualified by an "R" qualifier and are not usable for HRS purposes.

Whether data are placed into the second or third category is determined by the amount of bias associated with. the analytical results. Data validation evaluates biases resulting from laboratory analytical deficiencies or sample matrices to determine whether the data are usable. Bias indicates that the reported concentration is either higher or lower than the am concentration, and the data validation report identifies the direction of the bias or if the bias is unknown.

The EPA CLP also sets minimum quantitation limits for all analytes; the Contract Required Quantitation Limit (CRQL) for organic analytes and the Contract Required Detection Limit (CRDL) for inorganic analytes. For HRS purposes and for this fact sheet, the term CRQL refers to both the contract required quantitation limit and am contract required detection limit. (40 CFR Part 300, App. A). The CRQLs are substance specific levels that a CLP laboratory must be able to routinely and reliably detection specific sample matrices (i.e.; soil, water. sediment). The CRQLs are usually set above most instrument detection limits (IDLs) and method detection limits (MDLs).

CONSIDERATIONS FOR NON-CLP DATA

Because various laboratories and analytical methods may be used to develop non-CLP data, the following list provides the general information, sufficient for determining whether non-CLP data are usable for HRS Purposes.

(1) Identification of the method used for analysis. Methods include RCRA methods, SW-846, EPA methods, etc.

(2) Quality control (QC) data. Check each method of analysis to determine if specific QC requirements are defined. If not, seek out another method.

(3) Instrument-generated data sheets for sample results. These data sheets would be the equivalent of Form I's in CLP data.

(4) MDLs and sample quantitation limits (SQLs). The analytical method should provide the MDL. The SQL is an adjusted MDL using sample specific measurements such as percent moisture and weight.

(5) Data validation report.

USE OF BIASED QUALIFIED DATA

In the past, all qualified data have been inappropriately perceived by some people as data of low confidence or poor quality and have not been used for HRS evaluation. With careful assessment of the nature of the analytical biases or QC deficiencies in the data on a case-by-case basis, qualified data can represent an additional resource of data for establishing an observed release. Further, the D.C. District Court of Appeals in 1996 upheld EPA's case-by-case approach to assess data quality. In reviewing the use of qualified data to identify an observed release, the Court stated that if there are deficiencies in the data, "...the appropriate response is to review the deficiencies an a 'case-by-case basis' to determine their impact on 'usability of the data.'" The Court also stated with regards to data quality that, "...EPA does not face a standard of absolute perfection .... Rather, it is statutorily required to 'assure, to the maximum extent *feasible*,' that it 'accurately assesses the relative degree of risk' posed by sites" [*Board of Regents of the University of Washington, et al., v. EPA*, No.95-1324, slip op. at 8-10 (D.C. Cir. June 25, 1996).]

As discussed in this fact sheet, the application of adjustment factors to "J" qualified data can serve as a management decision tool to "adjust," or take into account, the analytical uncertainty in the data indicated by the qualifier, thereby making qualified data usable for HRS evaluation. The use of adjustment factors to account for the larger uncertainty in "J" qualified data is a conservative approach enabling a quantitative comparison of the data for use in documenting an observed release. It should be noted that the use of

adjustment factors only addresses analytical variability and does not take into account variabilities which may be introduced during field sampling. Some guidelines for using the adjustment factor approach are discussed in Exhibit 1.

CLP QA/QC PROCEDURES

CLP qualifiers are applied to analytical data based on the results of various Quality Assurance/Quality Control (QA/QC) procedures used at the laboratory. EPA analytical methods use a number of QA/QC mechanisms during sample analysis in order to assess qualitative and quantitative accuracy *(Contract Laboratory Program Statement of Work for Inorganic Analyses,* Document No. ILM02.0; *Contract Laboratory Program Statement of Work for Organic Analyses,* Document No. OLM1.8; *Quality Assurance/Quality Control Samples,* Environmental Response Team Quality Assurance Technical Information Bulletin; *Test Methods for Evaluating Solid Waste (SW-846): Physical and Chemical Methods,* Document No. SW-846). To assess data quality, the laboratory uses matrix spikes, matrix spike duplicates, laboratory control samples , surrogates, blanks, laboratory duplicates, and quarterly blind performance evaluation (PE) samples. The Agency assumes that if biases are found in the QA/QC samples, the field sample concentrations may also be biased.

Surrogates are chemically similar to the analytes of interest. They are added or "spiked" at a known concentration into the field samples before analysis. Also, selected target analytes are "spiked" into samples at a specified frequency to assess potential interferences from the sample matrix. These samples are called matrix spikes. Comparison of the known concentration of the surrogates and matnx spikes with their actual analytical results reflects the analytical accuracy. Because the surrogates are expected to behave similarly to the target analytes, they may indicate bias caused by interferences from the sample matrices. These type of interferences from the sample matrix are known as matrix effects *(CPL National Functional Guidelines for Inorganic Data Review,* Publication, 9240.1-05-01; *CLP National Functional Guidelines for Orgainic Data Review,* Publication 9240.1-05; *Test Methods for Evaluating Solid Waste (SW-846): Physical and Chemical Methods,* Document No. SW-846).

Laboratory control samples are zero blind samples which contain known concentrations of specific analytes and are analyzed in the same batch as field samples. Their results are used to measure laboratory accuracy. Blanks are analyzed to detect any extraneous contamination introduced either in the field or in the laboratory.

Laboratory duplicates are created when one sample undergoes two separate analyses. The duplicate results are compared to determine laboratory precision. Quarterly blind PE samples are single blind samples that evaluate the laboratory's capability of performing the specified analytical protocol.

CLP and other EPA analytical methods include specifications for acceptable analyte identification, target analytes, and minimum and maximum percent recovery of the QA/QC compounds. Data are validated according to guidelines which set performance criteria for instrument calibration, analyte identification, and identification and recovery of QA/QC compounds *(CLP Statement of Work and SW-846).* The *National Functional Guidelines for Data R*eview, EPA validation, was designed for the assessment of data generated under the CLP organic and inorganic analytical protocols *(CLP Statement of Work; National Functional Guidelines for Data Review).* The guidelines do not preclude the validation of field and other non CLP data. Thus, many EPA Regions have also adapted the *National Functional Guidelines for Data Review* to validate non-CLP data. Data which do not meet the guidelines' performance criteria are qualified to indicate bias or QA/QC deficiencies. The data validation report usually explains why the data were qualified and indicates the bias direction when it can be determined. Validated data that are not qualified are considered unbiased and can be used at their reported numerical value for HRS evaluation.

QUALIFIER DEFINITIONS

Most EPA validation guidelines use the data qualifiers presented in Exhibit 2 *(CLP National Functional Guidelines for Data Review).* Other qualifiers besides these may be used; the validation report should always be checked for the exact list of qualifiers and their meanings.

It should be emphasized that not meeting one or some of the contract required QA/QC acceptance criteria is often an indication that the sample was difficult to analyze, not that there is low confidence in the analysis (i.e., the

EXHIBIT 1 GUIDELINES FOR THE USE OF ADJUSTMENT FACTORS
• The use of adjustment factors identified in this fact sheet is a management tool for the optional use of "J" qualified data generated under CLP or other sources of data to document an observed release.
• Adjustment qualified data should be used with non-qualified data whenever possible.
• EPA maintains a "worst sites first" policy for placing sites on the NPL (*Additional Guidance on "Worst Sites" and "NPL Caliber Sites" to assist in SACM Implementation,* OSWER Directive 9320.2-07).
• EPA Regions should use adjustment factors with discretion on a case-by-case basis and should always carefully consider the use of qualified data in borderline cases.
• Resampling and/or reanalysis may be warranted if qualified data do not appear adequate to document an observed release.
• EPA Regions may substitute higher adjustment factors based on documented, justifiable reasons but may never use a lower adjustment factor value.
• The adjustment factors should only be applied to analytes listed in the tables. These adjustment factors should not be interpolated or extrapolated to develop factors for analytes not listed in the tables.
• The adjustment factors apply only to "J" qualified data above the CRQL.
• Detection below the CRQL is treated as non-quantifiable for HRS purposes.
• "UJ" data may be used under strict circumstances as explained in this fact sheet.
• The adjustment factors only apply to biased "J" qualified data, not to other "J" qualified data.
• The adjustment factors do not apply to "N", "NJ", or "R" qualified data. These data can not be used to document an observed release for HRS purposes.

analysis is "under control" and can be adequate for HRS decision making). Often "J", "U", and "UJ" qualified data fall into this category.

There are instances when qualified data cannot be used since the uncertainty of the results is unknown. For example, violations of laboratory instrument calibration and tuning requirements, and gross violations of holding times reflect the possibility that the results are of unknown quality (i.e., the analysis is "out of control"). Most often these data would be qualified with an "R" or an "N" (not usable for HRS purposes).

USING "U" QUALIFIED DATA

The "U" qualifier simply means that the reported concentration of the analyte was at or below the CRQL-- there can be confidence that the true concentration is at or below the quantitation limit. Therefore, "U" qualified data can be used for establishing background levels. If the release sample concentration is above this level, as specified in the HRS, an observed release can be established. The quantitation limit for that analyte could be used as a maximum background concentration if a more conservative background level seems appropriate.

USING "J" QUALIFIED DATA

As discussed previously, some "J" qualified data can be used in establishing an observed release if the uncertainty in the reported values is documented. Qualified data should always be carefully examined by the Regions to determine the reasons for qualification before use in HRS evaluation. Resampling and/or reanalysis may be warranted if qualified data only marginally document an observed release. Whenever possible, qualified data should be used in conjunction with non-qualified data.

As described in Exhibit 2, "J" qualified data indicates that bias has been detected in the sample analysis and although the analyte is definitively present, the reported concentration is an estimate. Depending on the reasons and the direction of bias, with the use of adjustment factors, "J" qualified data can represent data of known and documented quality sufficient for use in establishing an observed release and observed contamination under the HRS.

USING "UJ" QUALIFIED DATA

A combination of the "U" and "J" qualifiers indicates that the reported value may not accurately represent the concentration necessary to positively detect the analyte in the sample. Under limited conditions, "UJ" qualified data can be used to represent background concentrations for establishing an observed release. These conditions are: instances when there is confidence that the background concentration is not detectable above the CRQL, the background concentration is biased high, and the sample measurement establishing the observed release equals or exceeds the CRQL.

DIRECTION OF BIAS IN "J" QUALIFIED DATA

It is important to understand the direction of bias associated with "J" qualified data before using the data to document an observed release. Qualified data may have high, low, or unknown bias. A low bias means that the reported concentration is likely an underestimate of the true concentration. For example, data may be biased low when sample holding times for volatile organic compounds (VOCs) are moderately exceeded or when recovery of QA/QC compounds is significantly less than the amount introduced into the sample. Low surrogate recovery would also indicate a low bias. A high bias means the reported concentration, is likely an overestimate of the true concentration. For example, data may be biased high when recovery of QA/QC compounds is significantly higher than the amount in the sample. A bias is unknown when it is impossible to ascertain whether the concentration is an overestimate or an underestimate. For example, an unknown bias could result when surrogate recoveries exceed method recovery criteria and matrix spike/matrix spike duplicate compounds below method recovery criteria fail the relative percent difference (RPD) criteria in the same sample.

Despite the bias, certain qualified data may be used without application of adjustment factors for determining an observed release under certain circumstances. The following examples are of using "J" qualified data without adjustment factors:

- Low bias release samples are likely to be underestimates of true concentrations. If the reported concentration of a low bias release sample is three times above unbiased background levels, these release samples would still meet the HRS criteria. The true concentrations would still be three times above the background level.

- High bias background samples are likely to be overestimates of true concentrations. If the reported concentration of unbiased release samples are three times above the reported background concentration, they would still meet the HRS observed release criteria because they would still be three times above the true background concentration.

The above examples show that both low bias "J" qualified release samples at their reported concentrations and high bias "J" qualified background samples may be used at their reported concentrations in these situations.

High bias release samples may not be used at their reported concentrations because they are an overestimate of true concentrations in this situation; resampling and/or re-analysis of the release samples should be considered. The true difference in the background and release concentration may be less than the HRS criteria for establishing an observed release. The reported concentration for low bias background concentrations may not be compared to release samples because it is most likely an underestimate of background level; the release sample concentration may not significantly exceed the true background concentration. However, in lieu of re-sampling and/or re-analysis, high bias release data and low bias background data may be used with adjustment factors which compensate for the probable uncertainty in the analyses.

ADJUSTMENT FACTORS FOR BIASED "J" QUALIFIED DATA

Applying adjustment factors to "J" qualified data will enable EPA to be more confident that the increase in contaminant concentrations between the background and

EXHIBIT 2
EPA CLP DATA QUALIFIERS AND THEIR USABILITY FOR DOCUMENTING AN OBSERVED RELEASE

Usable*	Not Usable
"U" The substance or analyte was analyzed for, but no quantifiable concentration was found at or above the CRQL *(CLP National Functional Guidelines for Data Review).*	**"N"** The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification" *(CLP National Functional Guidelines for Data Review).*
"J" The analyte was positively identified-the associated numerical value is the approximate concentration of the analyte in the sample. The "J" qualifier indicates that one or more QA/QC requirements have not met contact required acceptance criteria but the instrumentation was functioning properly during the analysis. For example, a "J" qualifier may indicate that the sample was difficult to analyze or that the value may lay near the low end of the linear range of the instrument. "J" data are considered biased, but provide definitive analyte identification *(CLP National Functional Guidelines for Data Review).*	**"R"** The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet QC criteria. The presence or absence of the analyte can not be verified and the result has been rejected. A sample result may be qualified with an "R" qualifier when the instrument did not remain "in control" or the stability or sensitivity of the instrument were not maintained during the analysis *(CLP National Functional Guidelines for Data Review).*
"UJ" The analyte was not quantifiable at or above the CRQL. In addition to not being quantifiable, one or more QA/QC requirements have not met contract acceptance criteria *(CLP Functional Guidelines for Data Review).*	**"NJ"** The analysis indicates the presence of the analyte that has een "tentatively identified" and the associated numerical value represents it's approximate concentration (CLP *National Functional Guidelines for Data Review).*

* Usable under certain circumstances as explained in this fact sheet.

release samples is due to a release. The adjustment factors are applied as "safety factors" to compensate for analytical uncertainty, allowing biased data to be used for determining an observed release. Dividing the high bias result by an adjustment factor deflates it from the high end of the acceptable range towards a low bias value. Multiplying a low bias concentration by an adjustment factor inflates it to the high end of the acceptable range.

Tables 1 through 4 (pages 11 - 18) present analyte and matrix-specific adjustment factors to address the analytical uncertainty when determining an observed release using high bias release samples and low bias background data. The factors am derived from percent recoveries of matrix spikes, surrogates, and laboratory control samples in the CLP Analytical. Results Database (CARD) from January 1991 to March 1996. A total of 32,447 samples were reviewed for volatile organic analytes; 32,913 samples for semivolatile organic analytes; 59,508 samples for pesticides/PCB analytes; and 5,954 samples for inorganic analytes.

The range of CARD data for each analyte includes 97 percent of all percent recoveries in the database, discarding outliers. The adjustment factors are ratios of percent recovery values at the 98.5 and 1.5 percentiles. The ratios generally show a consistent pattern.

Adjustment factors have been determined for all analytes in the CLP Target Compound List (organic analytes) and Target Analyte List (inorganic analytes). A tiered approach was used to derive the organic adjustment factors. Percent recoveries for surrogates were

examined first, followed by matrix spike recoveries. When both matrix spike and surrogate data were available for the same analyte, the larger adjustment factor (representing more extreme high and low percent recoveries) was used. Laboratory control samples were used to calculate the inorganic adjustment factors. Quarterly blind sample data were not used to determine adjustment factors because of the small data set available. A default adjustment factor of 10 was used for analytes when percent recovery data were unavailable.

Adjustment factors do not correct the biased sample concentration to its true value, as such "correction" is not possible. CARD data do not differentiate and quantify individual sources of variation. Instead, the ratio of percentile used to develop adjustment factors represent a "worst-case" scenario. Adjustment factors either inflate background values to the high end of the range or deflate release data to the low end. Therefore, adjustment factors compensate or adjust for the apparent analytical variability when comparing a high bias value to a low bias value (see Exhibit 3).

USING THE ADJUSTMENT FACTORS

This section of the fact sheet demonstrates how adjustment factors can be used with "J" qualified data for HRS scoring purposes, including documentation and detection limit issues.

Documentation Requirements for Using Qualified Data

In using "J" qualified data to determine an observed release, include a discussion of "J" qualifiers from the data validation report and cite it as a reference in the site assessment report or HRS documentation record. If adjustment factors are applied to "J" qualified data, reference and cite this fact sheet. These steps will ensure that the direction of bias is documented and will demonstrate how biases have been adjusted.

Detection Limit Restrictions

Adjustment factors may only be applied to "J" qualified data with concentrations above the CLP CRQL for organics or CRDL for inorganics. "J" qualified data with concentrations below the CRQL can not be used to document an observed release except as specified in the previous section entitled "Using "UJ" Qualified Data."

Application of Factors

Exhibit 3 shows how to apply the factors to "J" qualified data. Multiply low bias background sample results by the analyte-specific adjustment factor or the default factor 10 when analyte-specific adjustment factor is not available. The resulting new background value effective becomes a high bias value that may be used to determine an observed release. Divide high bias release sample data by the analyte-specific adjustment factor or the default factor of 10 when an analyte-specific adjustment factor is not available. The resulting new release sample value effectively becomes a low bias value that may be used to determine an observed release.

Note: High bias background data, low bias release data, and unbiased data may be used at their reported concentrations.

Note: Adjusted release and background values must still meet HRS criteria (e.g., release concentration must be at, least three times above background level) to determine an observed release.

Examples Using Trichloroethene in Soil and Water

1. *Release water sample is unbiased, background water sample is unbiased but all data are qualified with a "J" due to an contractual laboratory error no: analytical error.*

Background sample value: 12μg/L (J) *no bias*
Release sample value: 40 μg/L (J) *no bias*

The CRQL for trichloroethene is 10 μg/Kg for soil and 10 μg/L for water.

In this example, the qualification of the data is not related to bias in the reported concentrations. Thus, using adjustment factors is not needed and an observed release is established if all other criteria are met.

2. *Release soil sample data is biased low, background soil sample data is biased high.*

Background sample value: 12 μg/Kg (J) high bias
Release sample value: 40 μg/Kg (J) low bias

In this example, the direction of bias indicates that the. true release value may be higher and the true background value may be lower than reported values. The release sample concentration still exceeds background by more than three times, so an observed release is established, provided all other HRS criteria are met. Using adjustment factors is not needed.

EXHIBIT 3 USE OF ADJUSTMENT FACTORS FOR "J" QUALIFIED DATA		
Type of Sample	**Type of Bias**	**Action Required**
Background Sample	No Bias	None: Use concentration without factor
	Low Bias	Multiply concentration by factor
	High Bias	None: Use concentration without factor
	Unknown Bias	Multiply concentration by factor
Release Sample	No Bias	None: Use concentration without factor
	Low Bias	None: Use concentration without factor
	High Bias	Divide concentration by factor
	Unknown Bias	Divide concentration by factor

3. *Release soil sample data is unbiased, background soil sample is biased low.*

Background sample value: 12 μg/Kg (J) *low bias*
Release sample value: 30 μg/Kg *no bias*

In this example, the true background value is assumed to be less than the reported value; however, an observed release may still be possible. To use the data to establish an observed release, multiply the background sample data value by the adjustment factor given for trichloroethene in soil (2.11). No adjustment factor is needed for the release sample.

New background sample value:
(12 μg/Kg) x (2.11) = 25.32 μg/Kg (J) *high bias*

The release sample concentration does not meet or exceed the new background level by three time, so an observed release is not established.

4. *Release water sample data is biased high, background water sample data is unbiased.*

Background sample value: 15 μg/L *no bias*
Release sample value: 70 μg/L (J) *high bias*

In this example, the true release value may be lower than the reported value; however, an observed release may still be possible. To use the data to establish an observed release divide the release sample by the adjustment factor for trichloroethene in water (1.66). No adjustment factor is needed for the background sample.

New release sample value:
(70 μg/L) ÷ (1.66) = 42.17 μg/L (J) *low bias*

The new release sample concentration does not meet or exceed the background level by three times, so an observed release is not established.

5. *Release soil sample data has unknown bias; background soil sample data has unknown bias.*

The following example is the most conservative approach to using adjustment factors with qualified data.

Background sample value: 20 μg/Kg (J) *unknown bias*
Release sample value: 325 μg/Kg (J) *unknown bias*

In this example, it is not possible to determine from the reported values if an observed release is possible. To use the data to establish an observed release, divide the release sample value and multiply the background sample value by the adjustment factor given for trichloroethene in soil (2.11).

New release sample value:
(325 μg/Kg) ÷ (2.11) = 154.03 μg/Kg (J) *low bias*

New background sample value:
(20 μg/Kg) x (2. 11) = 42.2 μg/Kg (J) *high bias*

The new release sample is at least three times the new background concentration, so an observed release is established, provided all other HRS criteria are met.

ISSUES WITH USING ADJUSTMENT FACTOR APPROACH

Some issues were raised regarding the application of adjustment factors to qualified data during the Agency's internal review process.

One issue is that "J" qualifiers are added to analytical results for many reasons that may or may not affect the accuracy and precision of the analytical result. The application of an adjustment factor to "J" qualified data in which bias is not affected could be considered overly conservative.

All qualified data should be carefully evaluated to determine if the data are biased. Based on the reasons for bias, the use of an adjustment factor should only be considered as a management tool that provides a quick screening of the data for site assessment, not a means for correcting the biased value to a true value. Application of adjustment factors are intended for use with qualified data reported at or above the CRQL and may not be applicable to data which are qualified but technically sound. As stated previously, qualified data should always be carefully reviewed on a case-by-case basis prior to use in HRS evaluation.

Another issue is the validity of "10" as a default adjustment factor. A default adjustment factor of 10 was a policy decision based on the range of adjustment factors and an industry approach. The default was chosen in order to account for the maximum variability regardless of the direction of the bias. Therefore, the default value of 10 is generally considered to be a conservative adjustment factor. EPA reviewed the use of the default value of 10 and determined that this value was conservative.

Even if using adjustment factors is sometimes overly conservative, this approach is preferable to not using the data at all. EPA maintains a "worst sites first" policy that only the sites considered most harmful to human health and/or the environment should be listed. EPA considers the use of adjustment factors appropriate as a management decision tool. However, discretion is needed when applying adjustment factors. The use of adjustment factors may not be appropriate in all cases.

USE OF OTHER ADJUSTMENT FACTORS

EPA Regions may substitute higher, but never lower, adjustment factor values for the ones listed in this fact sheet on a case-by-case basis when technically justified. For example, other adjustment factors may be applied to conform with site-specific Data Quality Objectives (DQOs) or with Regional Standard Operating Procedures (SOPs) *(Data Quality Objectives Process for Superfund, Publication 9355.9-01).*

SUMMARY

For site assessment purposes, EPA Regions should not automatically discard "J" qualified data. However, site-specific data usability determinations may result in the data's not being used.

Data qualified under the EPA's CLP or from other sources of validated data may be used to demonstrate an observed release if certain measures are taken to ensure that the bias of the data qualifier is adjusted using the factor approach specified in this fact sheet. (This fact sheet provides a management decision tool for making qualified data usable for documenting an observed release.) The analyte and matrix-specific adjustment factors provided in Tables 1 through 4 of this fact sheet present these adjustment factors.

The scope of this fact sheet is limited to the situations described in Exhibit 1. The use of qualified analytical data without the adjustment factors presented in this fact sheet is limited. Higher adjustment factors may be substituted by EPA Regions on a case-by-case basis when technically justified by site-specific DQOs or SOPS.

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TABLE 1 FACTORS FOR VOLATILE ORGANIC ANALYTES				
VOLATILE ORGANIC ANALYTES	SOIL MATRIX		WATER MATRIX	
	Number of CARD Samples Reviewed	Factor	Number of CARD Samples Reviewed	Factor
1,1,1-TRICHLOROETHANE	---	10.0	---	10.0
1,1,2,2-TETRACHLOROETHANE	---	10.0	---	10.0
1,1,2-TRICHLOROETHANE	---	10.0	---	10.0
1,1-DICHLOROETHANE	---	10.0	---	10.0
1,1-DICHLOROETHENE	7,031	2.71	5,015	2.35
1,2-DICHLOROETHANE-D4	32,446	1.52	25,516	1.38
1,2-DICLOROETHENE (TOTAL)	---	10.0	---	10.0
1,2-DICHLOROPROPANE	---	10.0	---	10.0
2-BUTANONE	---	10.0	---	10.0
2-HEXANONE	---	10.0	---	10.0
4-METHYL-2-PENTANONE	---	10.0	---	10.0
ACETONE	---	10.0	---	10.0
BENZENE	7,024	1.97	5,001	1.64
BROMODICHLOROMETHANE	---	10.0	--	10.0
BROMOFORM	---	10.0	---	10.0
BROMOFLUOROBENZENE	32,444	1.7	25,518	1.26
BROMOMETHANE	---	10.0	---	10.0
CARBON DISULFIDE	---	10.0	---	10.0

TABLE 1 FACTORS FOR VOLATILE ORGANIC ANALYTES				
VOLATILE ORGANIC ANALYTES	SOIL MATRIX		WATER MATRIX	
	Number of CARD Samples Reviewed	Factor	Number of CARD Samples Reviewed	Factor
CARBON TETRACHLORIDE	---	10.0	---	10.0
CHLOROBENZENE	7,018	2.0	5,015	1.54
CHLOROETHANE	---	10.0	---	10.0
CHLOROFORM	---	10.0	---	10.0
CHLOROMETHANE	---	10.0	---	10.0
CIS-1,3-DICHLOROPROPENE	---	10.0	---	10.0
DIBROMOCHLOROMETHANE	---	10.0	---	10.0
ETHYLBENZENE	---	10.0	---	10.0
METHYLENE CHLORIDE	---	10.0	---	10.0
STYRENE	---	10.0	---	10.0
TETRACHLOROETHENE	---	10.0	---	10.0
TOLUENE-D8	32,447	1.63	25,526	1.21
TRANS-1,3-DICHLOROPROPENE	---	10.0	---	10.0
TRICHLOROETHENE	6,988	2.11	4,938	1.66
VINYL CHLORIDE	---	10.0	---	10.0
XYLENE (TOTAL)	---	10.0	---	10.0

TABLE 2 FACTORS FOR SEMIVOLATILE ORGANIC ANALYTES				
	SOIL MATRIX		WATER MATRIX	
SEMIVOLATILE ORGANIC ANALYTES	Number of CARD sample Reviewed	Factor	Number of CARD Samples Reviewed	Factor
1,2,4-TRICHLOROBENZENE	6,792	4.83	4,605	3.71
1,2-DICHLOROBENZENE-D4	32,848	4.22	21,506	3.0
1,3-DICHLOROBENZENE	---	10.0	---	10.0
1,4-DICHLOROBENZENE	6,796	6.0	4,599	3.85
2,2'-OXYBIS(1-CHLOROPROPANE)	---	10.0	---	10.0
2,4,6-TRIBROMOPHENOL	32,605	9.38	21,509	3.57
2,4,5-TRICHLOROPHENOL	---	10.0	---	10.0
2,4,6-TRICHLOROPHENOL	---	10.0	---	10.0
2,4-DICHLOROPHENOL	---	10.0	---	10.0
2,4-DIMEHYLPHENOL	---	10.0	---	10.0
2,4-DINITROPHENOL	---	10.0	---	10.0
2,4-DINITROTOLUENE	6,798	4.88	4,623	3.52
2,6-DINITROTOLUENE	---	10.0	---	10.0
2-CHLORONAPHTHALENE	---	10.0	---	10.0
2-CHLOROPHENOL-D4	32,798	4.08	21,506	2.92
2-FLUOROBIPHENYL	32,913	3.38	21,532	2.84
2-FLUORPHENOL	32,781	5.05	21,511	3.34
2-METHYLNAPHTHALENE	---	10.0	---	10.0
2-METHYLPHENOL	---	10.0	---	10.0
2-NITROANILINE	---	10.0	---	10.0
2-NITROPHENOL	---	10.0	---	10.0
3,3'-DICHLOROBENZIDINE	---	10.0	---	10.0
3-NITROANILINE	---	10.0	---	10.0
4,6-DINITRO-2-METHYLPHENOL	---	10.0	---	10.0
4-BROMOPHENYL-PHENYETHER	---	10.0	---	10.0

TABLE 2 FACTORS FOR SEMIVOLATILE ORGANIC ANALYTES				
SEMIVOLATILE ORGANIC ANALYTES	SOIL MATRIX		WATER MATRIX	
	Number of CARD Sample Reviewed	Factor	Number of CARD Samples Reviewed	Factor
4-CHLORO-3-METHYLPHENOL	6,715	6.26	4,609	4.46
4-CHLOROANILINE	---	10.0	---	10.0
4-CHLOROPHENYL-PHENYLETHER	---	10.0	---	10.0
4-METHYLPHENOL	---	10.0	---	10.0
4-NITROANILINE	---	10.0	---	10.0
4-NITROPHENOL	6,627	9.33	4,586	5.96
ACENAPHTHENE	6,773	4.68	4,600	3.63
ACENAPHTHYLENE	---	10.0	---	10.0
ANTHRACENE	---	10.0	---	10.0
BENZO(A)ANTHRACENE	---	10.0	---	10.0
BENZO(A)PYRENE	---	10.0	---	10.0
BENZO(B)FLUORANTHENE	---	10.0	---	10.0
BENZO(G,H,I,)PERYLENE	---	10.0	---	10.0
BENZO(K)FLUORANTHENE	---	10.0	---	10.0
BIS(2-CHLOROETHOXY)METHANE	---	10.0	---	10.0
BIS(2-CHLOROETHYL)ETHER	---	10.0	---	10.0
BIS(2-ETHYLHEXYL)PHTHALATE	---	10.0	---	10.0
BUTYLBENZYLPHTHALATE	---	10.0	---	10.0
CARBAZOLE	---	10.0	---	10.0
CHRYSENE	---	10.0	---	10.0
DI-N-BUTYLPHTHALATE	---	10.0	---	10.0
DI-N-OCTYLPHTHALATE	---	10.0	---	10.0
DIBENZ(A,H)ANTHRACENE	---	10.0	---	10.0
DIBENZOFURAN	---	10.0	---	10.0
DIETHYLPHTHALATE	---	10.0	---	10.0

TABLE 2 FACTORS FOR SEMIVOLATILE ORGANIC ANALYTES				
SEMIVOLATILE ORGANIC ANALYTES	SOIL MATRIX		WATER MATRIX	
	Number of CARD Sample Reviewed	Factor	Number of CARD Samples Reviewed	Factor
DIMETHYLPHTHALATE	—	10.0	---	10.0
FLUORANTHENE	---	10.0	---	10.0
FLUORENE	---	10.0	---	10.0
HEXACHLOROBENZENE	---	10.0	---	10.0
HEXACHLOROBUTADIENE	---	10.0	--	10.0
HEXACHLOROCYCLOPENTADIENE	---	10.0	---	10.0
HEXACHLOROETHANE	---	10.0	---	10.0
INDENO(1,2,3-CD)PYRENE	---	10.0	---	10.0
ISOPHORONE	---	10.0	---	10.0
N-NITROSO-DI-N-PROPYLAMINE	6,725	4.92	4,513	4.0
N-NITROSODIPHENYLAMINE(1)	---	10.0	---	10.0
NAPHTHALENE	---	10.0	--	10.0
NITROBENZENE-D5	32,867	3.96	21,533	2.73
PENTACHLOROPHENOL	6,597	72.5	4,550	10.12
PHENANTHRENE	---	10.0	---	10.
PHENOL-D5	32,855	3.85	21,489	3.53
PYRENE	6,543	11.86	4,612	5.67
TERPHENYL-D14	32,899	4.35	21,541	6.32

TABLE 3 FACTORS FOR PESTICIDES/PCB ANALTYES				
VOLATILE ORGANIC ANALYTES	SOIL MATRIX		WATER MATRIX	
	Number of CARD Samples Reviewed	Factor	Number of CARD Samples Reviewed	Factor
4,4'-DDD	---	10.0	---	10.0
4,4'-DDE	---	10.0	---	10.0
4,4'-DDT	5,343	12.82	3,850	7.14
ALDRIN	5,526	14.26	3,829	6.63
ALPHA-BHC	---	10.0	---	10.0
ALPHA-CHLORDANE	---	10.0	---	10.0
AROCLOR-1016	---	10.0	---	10.0
AROCLOR-1221	---	10.0	---	10.0
AROCLOR-1232	---	10.0	---	10.0
AROCLOR-1242	---	10.0	---	10.0
AROCLOR-1248	---	10.0	---	10.0
AROCLOR-1254	---	10.0	---	10.0
AROCLOR-1260	---	10.0	---	10.0
BETA-BHC	---	10.0	---	10.0
DECACHLOROBIPHENYL	57,315	17.79	33,592	10.0
DELTA-BHC	---	10.0	---	10.0
DIELDRIN	5,539	11.93	3,861	4.87

TABLE 3 FACTORS FOR PESTICIDES/PCB ANALYTES				
VOLATILE ORGANIC ANALYTES	SOIL MATRIX		WATER MATRIX	
	Number of CARD Samples Reviewed	Factor	Number of CARD Samples Reviewed	Factor
ENDOSULFAN I	—	10.0	---	10.0
ENDOSULFAN II	—	10.0	---	10.0
ENDOSULFAN SULFATE	---	10.0	---	10.0
ENDRIN	5,521	14.13	3,850	5.33
ENDRIN ALDEHYDE	---	10.0	---	10.0
ENDRIN KETONE	---	10.0	---	10.0
GAMMA-BHC (LINDANE)	5,545	11.79	3,832	10.0
GAMMA-CHLORDANE	---	10.0	---	10.0
HEPTACHLOR	5,548	7.88	3,836	5.26
HEPTACHLOR EPOXIDE	---	10.0	---	10.0
METHOXYCHLOR	---	10.0	---	10.0
TETRACHLORO-M-XYLENE	59,508	8.5	33,787	5.29
TOXAPHENE	---	10.0	---	10.0

TABLE 4 FACTORS FOR INORGANIC ANALYTES				
VOLATILE ORGANIC ANALYTES	SOIL MATRIX		WATER MATRIX	
	Number of CARD Samples Reviewed	Factor	Number of CARD Samples Reviewed	Factor
ALUMINUM	5387	1.66	6208	1.30
ANTIMONY	5392	1.98	6170	1.27
ARSENIC	5675	1.74	6303	1.35
BARIUM	5360	3.99	6201	1.25
BERYLLIUM	5399	1.28	6208	1.25
CADMIUM	5385	1.41	6166	1.29
CALCIUM	5383	1.28	6201	1.24
CHROMIUM	5389	1.29	6210	1.30
COBALT	5392	1.25	6212	1.27
COPPER	5394	1.22	6205	1.25
CYANIDE	3281	1.55	225	1.36
IRON	5391	1.34	6216	1.27
LEAD	5982	1.44	6384	1.31
MAGNESIUM	5397	1.23	6210	1.24
MANGANESE	5395	1.24	6214	1.28
MERCURY	5954	1.83	256	1.50
NICKEL	5400	1.35	6210	1.29
POTASSIUM	3874	17.49	6175	1.24
SELENIUM	5620	2.38	6278	1.14
SILVER	5392	1.74	6215	1.42
SODIUM	5024	25.43	6195	1.26
THALLIUM	5621	1.86	6253	1.37
VANADIUM	5393	1.34	6212	1.25
ZINC	5404	1.50	6224	1.29

Substances Covered Under Reporting Requirements

Frequent Question Topics

- Hazardous Substance Definitions
- Hazardous Substance Lists
- Petroleum Exclusion
- The Mixture Rule

Questions by Topic

- Hazardous Substance Definitions
  - Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) section 103 release reporting requirements apply to "hazardous substances." How are CERCLA hazardous substances defined?
  - Emergency Planning and Community Right-to-Know Act (EPCRA) section 304 release reporting requirements apply to CERCLA hazardous substances and EPCRA extremely hazardous substances (EHSs). What are EHSs?
  - How are EHSs related to CERCLA hazardous substances?
  - What are radionuclides and what reporting requirements apply to their release?
  - What are the reporting requirements for discharges of oil?
  - Would disposal of a hazardous substance into a Resource Conservation and Recovery Act (RCRA) Subtitle C permitted facility or interim status facility be reportable?
- Hazardous Substance Lists
  - What is the relationship between the hazardous substance lists under the Clean Water Act (CWA) and under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)?
  - Are the Clean Water Act (CWA) broad generic categories for which no Reportable Quantity (RQ) has been established subject to other provisions of CERCLA?
  - What is the relationship between CERCLA hazardous substances and the U.S. Department of Transportation's (DOT) Hazardous Materials Regulations?
  - Can releases of wastes that are not individually listed as CERCLA hazardous substances still be subject to CERCLA reporting requirements?
  - What tests can be used to determine whether a waste exhibits the Resource Conservation and Recovery Act (RCRA) characteristic of toxicity?
  - How do CERCLA reporting requirements apply to a compound if it is not individually listed but falls under a generic class of compounds?
  - If a company has had its petition to delist a specific Resource Conservation and Recovery Act (RCRA) hazardous waste granted by an EPA-approved State RCRA program, and that company releases this waste in excess of its Reportable Quantity (RQ), is it required to notify the National Response Center (NRC)?
  - How does EPA choose the chemical name(s) to list for each substance on the List of Hazardous Substances at Table 302.4 of 40 CFR 302.4?
  - What determines whether a "Regulatory Synonym" is listed for a substance in Table 302.4 of 40 CFR 302.4?
- Petroleum Exclusion
  - What is the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) petroleum exclusion?
  - What substances are specifically excluded from CERCLA regulation by the petroleum exclusion?
  - Does blended (oxygenated) gasoline fall within the scope of the CERCLA petroleum exclusion?
  - Are mineral spirits considered petroleum derivatives and therefore excluded from the CERCLA definition of hazardous substance?
- The Mixture Rule
  - How are mixtures of hazardous substances (other than radionuclides) reported?
  - Where there are several waste streams with the same identification number, is it sufficient to know the average quantities, or the maximum observed quantity, of hazardous constituents of the waste streams in order to apply the mixture rule to all of them?
  - Are facilities required to determine the quantities or concentrations of hazardous constituents released within a waste stream that is listed under CERCLA?
  - In determining whether a Reportable Quantity (RQ) has been released, are the quantities of different hazardous constituents additive under the mixture rule?
  - How are mixtures of radionuclides reported if the composition of the mixture is known?
  - How are mixtures of radionuclides reported if the composition of the mixture is unknown?

Hazardous Substance Definitions

CERCLA section 103 release reporting requirements apply to "hazardous substances." How are CERCLA hazardous substances defined?

CERCLA section 101(14), as amended, defines "hazardous substance" by referencing other environmental statutes, including:

- CWA sections 311 and 307(a);
- CAA section 112;
- RCRA section 3001; and
- TSCA section 7.

CERCLA section 102(a) also gives EPA authority to designate additional hazardous substances not listed under the statutory provisions cited above. There are currently about 800 CERCLA hazardous substances. In addition, there are approximately 1,500 known radionuclides, approximately 760 of which are listed individually.

Emergency Planning and Community Right-to-Know Act (EPCRA) section 304 release reporting requirements apply to CERCLA hazardous substances and EPCRA extremely hazardous substances (EHSs). What are EHSs?

The EHS list was first compiled by EPA, and subsequently incorporated into EPCRA, to identify chemicals that could cause serious irreversible health effects from accidental releases. EHSs are listed in 40 CFR Part 355.

How are EHSs related to CERCLA hazardous substances?

There are currently about 360 EHSs defined under EPCRA section 302; over a third of them are also CERCLA hazardous substances. Aside from this overlap of listed substances, CERCLA and EPCRA also have closely related notification requirements when releases of CERCLA hazardous substances occur.

What are radionuclides and what reporting requirements apply to their release?

A radionuclide is a type of atom with an unstable nucleus. The atom releases energy by a process of decay called radioactivity. There are approximately 1,500 known radionuclides.

All radionuclides are hazardous substances because they are designated generically as hazardous air pollutants by CAA section 112 and CERCLA section 101(14)(E) defines the term "hazardous substance" to include CAA hazardous air pollutants. Even though the source of their listing is the CAA, releases of radionuclides to all media - not just to air - are covered by CERCLA's reporting requirements.

On May 24, 1989, EPA issued a final regulation adjusting the statutory RQ for radionuclides. The adjusted RQs for radionuclides are in units of curies (Ci), which provide a measure of the amount of radioactivity emitted by a radionuclide. EPA established the adjusted radionuclide RQs in units of curies rather than pounds (like the RQs for other hazardous substances) because curies better reflect the intrinsic hazard posed by radionuclides and because the unit is more commonly used by people who handle radionuclides. The final radionuclide RQ adjustment rulemaking establishes seven RQ categories: 0.001, 0.01, 0.1, 1, 10, 100, and 1,000 Ci. A total of approximately 760 radionuclides are listed individually and assigned to one of these RQ categories. All other radionuclides not listed individually are assigned an RQ of 1 Ci.

What are the reporting requirements for discharges of oil?

If a discharge of oil reaches waters of the United States, it is reportable to the NRC under 40 CFR Part 110, which was established under the authority of the CWA. Discharges of oil must be reported if they "(c)ause a film or sheen upon or discoloration of the surface of the water or adjoining shorelines or cause a sludge or emulsion to be deposited beneath the surface of the water or upon adjoining shorelines."

Would disposal of a hazardous substance into a Resource Conservation and Recovery Act (RCRA) Subtitle C permitted facility or interim status facility be reportable?

No. The disposal of hazardous substances into a disposal facility in accordance with EPA regulations is not subject to CERCLA notification provisions. Where the disposal of wastes into permitted or interim status facilities is properly documented through the RCRA manifest system and RCRA regulations are followed, notification under CERCLA does not provide a significant additional benefit, if the facility is in compliance with all applicable regulations and permit conditions. For example, if a waste generator or building owner or operator properly disposes of lamps containing one pound or more of mercury into a RCRA-permitted facility during a 24-hour period, the generator or owner or operator would not be required to report the release under CERCLA. Where the person in charge knows that the facility is not in substantial compliance, that person must report the disposal of an RQ or more of a hazardous substance to the National Response Center. Of course, spills and accidents occurring during disposal that result in the release of an RQ or more of a hazardous substance must also be reported to the National Response Center.

Hazard Substance Lists

What is the relationship between the hazardous substance lists under the Clean Water Act (CWA) and under CERCLA?

All CWA hazardous substances are CERCLA hazardous substances (only some CERCLA hazardous substances are CWA hazardous substances). Table 117.3 in 40 CFR 117.3, which is entitled "Reportable Quantities of Hazardous Substances," lists substances that were designated as hazardous under section 311(b)(4) of the CWA. Table 117.3 provides the CWA RQs for the substances. Substances designated under this section of the CWA are automatically CERCLA hazardous substances because CERCLA section 101(14) defines "hazardous substance" chiefly by reference to lists under other statutes, including CWA section 311(b)(4). Therefore, all of the hazardous substances in Table 117.3 are also in the list of CERCLA hazardous substances.

Are the Clean Water Act (CWA) broad generic categories for which no Reportable Quantity (RQ) has been established subject to other provisions of CERCLA?

Yes. Releases of compounds within these categories, although not reportable under CERCLA section 103 (unless the compound is listed separately in 40 CFR 302.4, Table 302.4), would remain subject to response (section 104), abatement (section 106), and liability (section 107) provisions under CERCLA.

What is the relationship between CERCLA hazardous substances and the U.S. Department of Transportation's (DOT) Hazardous Materials Regulations?

CERCLA section 306(a), as amended, requires the DOT to list and regulate as hazardous materials all CERCLA hazardous substances. Thus, all CERCLA hazardous substances are covered by the DOT's Hazardous Materials Regulations. The DOT Hazardous Materials Regulations require that when these materials are shipped in quantities equal to or greater than their RQs, and are present in a single package, above certain concentration thresholds, they must be identified as such on shipping papers and by package markings. More information on concentration cutoffs for RQs is available.

Can releases of wastes that are not individually listed as CERCLA hazardous substances still be subject to CERCLA reporting requirements?

Yes. CERCLA reporting requirements apply not only to all of the substances individually listed in 40 CFR 302.4, but also to wastes or waste streams exhibiting the characteristics of ignitability, corrosivity, reactivity, or toxicity under RCRA. The release of a non-designated substance exhibiting any of these four RCRA characteristics is a release of a hazardous substance if the substance is a waste prior to release or becomes a waste after release. Under RCRA regulations, a substance becomes a waste after release if it is not cleaned up or if it is cleaned up only for eventual disposal.

Wastes or waste streams exhibiting the characteristics of ignitability, reactivity, or corrosivity have RQs of 100 pounds. The RQs of wastes or waste streams that exhibit the characteristic of toxicity have the RQs of the contaminant on which the toxicity characteristics are based.

What tests can be used to determine whether a waste exhibits the Resource Conservation and Recovery Act (RCRA) characteristic of toxicity?

In 1990, EPA replaced the extraction procedure test for determining whether wastes exhibit the toxicity characteristic with the toxicity characteristic leaching procedure (TCLP). Currently, a waste is considered toxic if an extract obtained from a sample of the waste using the TCLP contains any of 25 organic constituents listed in the regulation in concentrations at or above specified levels. Wastes that exhibit the RCRA toxicity characteristic are automatically RCRA hazardous wastes and, therefore, CERCLA hazardous substances.

How do CERCLA reporting requirements apply to a compound if it is not individually listed but falls under a generic class of compounds?

To date, the Agency has not established any RQs for the CWA broad generic classes of compounds that are CERCLA hazardous substances. Therefore, releases of substances that are not individually listed, but fall within these categories, currently do not have to be reported under section 103. Releases of these substances that are excluded from reporting requirements, however, would remain subject to other CERCLA provisions, including liability for cleanup costs, and natural resource damages.

If a company has had its petition to delist a specific Resource Conservation and Recovery Act (RCRA) hazardous waste granted by an EPA-approved State RCRA program, and that company releases this waste in excess of its Reportable Quantity (RQ), is it required to notify the National Response Center (NRC)?

Under RCRA regulations, a person may petition to exclude a waste at a particular generating facility from the list of hazardous wastes. The petitioner must demonstrate that the waste produced by that facility does not meet any of the criteria under which the waste type was listed or characterized as hazardous. If granted, the exclusion applies only to the waste generated at the individual facility covered by the petitioner's demonstration. If the waste "has been shown not to contain constituents or exhibit characteristics that are considered hazardous under RCRA," and does not contain any other listed CERCLA hazardous substance, the exempted waste is not subject to CERCLA notification requirements.

How does EPA choose the chemical name(s) to list for each substance on the List of Hazardous Substances at Table 302.4 of 40 CFR 302.4?

A single chemical may often be known by several different names. To avoid confusion, the Agency has limited the chemical names listed in 40 CFR 302.4, Table 302.4 to the name(s) used to identify each substance under the environmental statutes and implementing regulations incorporated in the definition of hazardous substance. If a substance has more than one chemical name listed under these other statutes or regulations, each chemical name will appear as a separate entry (with the same CAS Registry Number) in Table 302.4.

What determines whether a "Regulatory Synonym" is listed for a substance in Table 302.4 of 40 CFR 302.4?

In general, no entry is made in the "Regulatory Synonym" column of 40 CFR 302.4, Table 302.4 for a substance if only one chemical name is used to identify that substance under the environmental statutes and implementing regulations referred to in CERCLA section 101(14). If, however, a substance has more than one chemical name listed under these other statutes or regulations, then: (1) each chemical name will appear as a separate entry in Table 302.4 (as discussed above; and (2) each entry will include the other chemical name(s) (appearing as separate entries in Table 302.4) for that substance in the "Regulatory Synonym" column.

Petroleum Exclusion

What is the CERCLA petroleum exclusion?

The term "hazardous substance" is defined in CERCLA section 101(14) to include substances listed under four other environmental statutes (as well as those designated under CERCLA section 102(a)). The definition excludes "petroleum, including crude oil or any fraction thereof," unless specifically listed or designated under CERCLA. See the following question.

What substances are specifically excluded from CERCLA regulation by the petroleum exclusion?

EPA interprets CERCLA section 101(14) to exclude crude oil and fractions of crude oil - including the hazardous substances, such as benzene, that are indigenous in those petroleum substances - from the definition of hazardous substance. Under this interpretation, petroleum includes hazardous substances that are normally mixed with or added to crude oil or crude oil fractions during the refining process. This includes indigenous hazardous substances, the levels of which are increased as a normal part of the refining process. However, hazardous substances that are added to petroleum or that increase in concentration as a result of contamination of the petroleum during use are not considered part of the petroleum, and are therefore regulated under CERCLA. For example, releases of oils that have had hazardous substances added to them subsequent to the petroleum refining process are not excluded from CERCLA regulation. In addition, some oils are regulated under CERCLA because they are specifically listed. For example, 40 CFR 302.4, Table 302.4 specifically lists a number of waste oils (e.g., F010, and K048 through K052) and their RQs. If these waste oils are released in quantities equal to or greater than their RQs, the release must be reported. The definition of hazardous substance also excludes natural gas, natural gas liquids, liquified natural gas, and synthetic gas usable for fuel. Oil discharges have their own reporting requirements under the Clean Water Act.

Does blended (oxygenated) gasoline fall within the scope of the CERCLA petroleum exclusion?

Historically, the Agency has interpreted the CERCLA section 101(14) petroleum exclusion to cover crude oil and the crude oil constituents that are indigenous to the petroleum (e.g., xylene), or that are normally mixed with or added to crude oil or crude oil fractions during the refining process (e.g., tetraethyl lead). In 1983, EPA issued a memorandum indicating that gasoline blended during the refining process is within the scope of the petroleum exclusion. In particular, the 1983 memo stated that "[b]ecause virtually all of the gasoline which is sold as motor transportation fuel is blended gasoline rather than raw gasoline, a reasonable interpretation of the petroleum exemption is that it applies to the blended gasoline product as well as raw gasoline." Under this interpretation, oxygenated gasoline, which may involve the blending of a CERCLA hazardous substance into gasoline, whether the blending takes place at a refinery or a terminal, would fall within the petroleum exclusion. Therefore, the blended gasoline would not be a hazardous substance and would not be subject to CERCLA reporting, response, or liability requirements.

Are mineral spirits considered petroleum derivatives and therefore excluded from the CERCLA definition of hazardous substance?

In most cases, yes. CERCLA section 101(14) specifically excludes petroleum from the definition of hazardous substance, consequently petroleum releases are not subject to CERCLA reporting and liability provisions. The petroleum exclusion includes "crude oil or any fraction" of petroleum unless the fraction is specifically listed or designated under the statute.

Mineral spirits, also known as Stoddard solvent, naphtha, or white spirits, are usually derived from refined petroleum distillates from the light end of crude oil but could

possibly be derived from coal. Mineral spirits that are distilled from petroleum are considered petroleum for the purpose of CERCLA section 101(14) and, therefore, are excluded from the definition of hazardous substance.

Mineral spirits often contain substances, such as toluene, that are CERCLA hazardous substances. If these substances are present naturally or are added to petroleum-derived mineral spirits in the normal refining process, then they would be excluded as petroleum. However, hazardous substances added to mineral spirits outside the refining process, or that increase in concentration solely as a result of contamination during use, are not part of the "petroleum" and, thus, are not excluded from CERCLA regulation. In such cases, EPA may respond to releases of the added substance, but not the mineral spirits.

There are circumstances in which mineral spirits could be regulated as a hazardous substance. For instance, coal-derived mineral spirits would not qualify for the petroleum exclusion and potentially could be regulated as a hazardous substance. In addition, the exclusion would not apply if the mineral spirits were "specifically listed or designated" under one of the statutory provisions cited in section 101(14) of CERCLA.

The Mixture Rule

How are mixtures of hazardous substances (other than radionuclides) reported?

EPA issued the "mixture rule" (40 CFR 302.6(b), developed in connection with CWA section 311 regulations, as a method for determining when to report releases of mixtures or solutions. Under the mixture rule, if the quantities (or concentrations) of all the hazardous constituents of the waste stream are known, notification is required only where an RQ or more of any hazardous constituent is released. However, if the quantity of one or more of the hazardous constituents of the waste is not known, notification is required where the total amount of the waste released equals or exceeds the RQ for the hazardous constituent with the lowest RQ (i.e., the RQ for the waste stream). Other Frequently Questions provide additional information on how radionuclides are reported.

Where there are several waste streams with the same identification number, is it sufficient to know the average quantities, or the maximum observed quantity, of hazardous constituents of the waste streams in order to apply the mixture rule to all of them?

No. The mixture rule provision applies only to the particular waste stream for which the quantities of all the hazardous constituents are known. Thus, knowledge that the average quantities of hazardous constituents - or the maximum observed quantity in a waste stream with the same identification number - are below their respective hazardous constituent RQs is not a sufficient basis for applying the mixture rule to all waste streams with that identification number. In such a case, the provision could be applied only to the individual waste streams for which the quantities of hazardous constituents are known.

Are facilities required to determine the quantities or concentrations of hazardous constituents released within a waste stream that is listed under CERCLA?

No. The determination of the exact quantities of hazardous substances released in a mixture, solution, or waste stream may be difficult; such a determination is not required by CERCLA. Potential releasers may choose instead, to report waste stream releases when the total amount of the waste stream released equals or exceeds the RQ listed for the waste stream constituent with the lowest RQ.

In determining whether a Reportable Quantity (RQ) has been released, are the quantities of different hazardous constituents additive under the mixture rule?

No. RQs of different substances are not additive under the mixture rule; releasing a mixture containing half an RQ of one hazardous substance (other than radionuclides) and half an RQ of another hazardous substance does not require a report.

How are mixtures of radionuclides reported if the composition of the mixture is known?

The requirements for reporting mixtures of radionuclides depend on whether the composition of the mixture is known or unknown. If the identity and quantity (in curies) of each radionuclide involved in a release is known, the decision whether to report the release must be made in the following manner: for each radionuclide in the mixture, determine the ratio between the quantity released and the RQ for the radionuclide. If the sum of the ratios for all radionuclides is less than one, the release need not be reported. If the sum of the ratios is equal to or greater than one, the release must be reported to the National Response Center.

How are mixtures of radionuclides reported if the composition of the mixture is unknown?

If the composition of the radionuclide mixture is unknown, there are two main possibilities: (1) the identity of the radionuclides is known but the quantities of one or more of the radionuclides released are not; or (2) the identity of one or more of the radionuclides released is not known. In the first situation (identity known, but quantity unknown), the RQ for the mixture is the lowest RQ of any radionuclide in the mixture. In the second situation (identity of radionuclides unknown), the release must be reported if the total release is equal to or greater than 1 Ci, or if the total release is equal to or greater than the lowest RQ of any known radionuclide in the mixture, whichever is lower.



LEGEND:

Site Reference Location — Lat: 40.578970, Long: -73.988472

Coney Island Creek

TITLE:

SITE LOCATION MAP
CONEY ISLAND CREEK
BROOKLYN, KINGS COUNTY, NY

PROJECT: 00490200-00

CLIENT NAME: EPA

WESTON SOLUTIONS

DATE: December 2021

FIGURE #: 1

Path: P:\SAT2\ConeyIslandCreek\MXD\25379_ConeyIslCreek0802_Site_Location.mxd



Legend

- Background Sediment and Surface Water Sample Location
- Sediment and Surface Water Sample Location
- Sediment Sample Location
- CSO Outfall (Combined Sewage Overflow Outfall)
- MS4 Outfalls (Municipal Separate Storm Sewer System)
- Coney Island Creek

Sources:
1. Weston Solutions, Inc. (WESTON®) Site Assessment Team (SAT V). Site Logbook No. DCN # SAT-V.6100.0001. Coney Island Creek Site Inspection. March 9, 2021 – June 7, 2021. [22 pages]
2. ESRI World Imagery, 2021.

Notes:
1. ***The source of this map image is Esri, used by EPA with Esri's permission.***
2. Depth in feet below sediment surface (ft bss).

SCALE: 0 250 500 1,000 Scale in Feet

PROJECT: 00490200-00

CLIENT NAME: EPA

TITLE:
SAMPLE LOCATION MAP
CONEY ISLAND CREEK
BROOKLYN, KINGS COUNTY, NY

WESTON SOLUTIONS SM

DATE: December 2021

FIGURE #: 2

File Path: P:\SAT2\ConeyIslandCreekMXD\26861_ConeyIslCreek6100_Sampling_Locs_SI.mxd

Calvert Vaux Park

Six Diamonds Park

Kaiser Park Fishing Pier

6100-SED01A
Depth 0 - 1.1 ft bss
Parameter Result
Silver 6.3 J

6100-SED03B
Depth 2 - 4 ft bss
Parameter Result
Cadmium 7.2 J
Silver 7.9 J

6100-SED03C
Depth 4 - 6 ft bss
Parameter Result
Silver 5.7 J
Cyanide 1.5 J

6100-SED02A
Depth 0 - 2 ft bss
Parameter Result
Silver 5.7

6100-SED02B
Depth 2 - 4 ft bss
Parameter Result
Silver 4.2

6100-SED04B
Depth 2 - 4 ft bss
Parameter Result
Silver 5.3
4,4'-DDD 44 J

6100-SED04C
Depth 4 - 6 ft bss
Parameter Result
Silver 8.8 J

6100-SED11B
Depth 1.1 - 2.4 ft bss
Parameter Result
4,4'-DDE 6.1 J
4,4'-DDD 35
trans-Chlordane 9.8

6100-SED11C
Depth 2.4 - 3.4 ft bss
Parameter Result
4,4'-DDE 8.7 J
4,4'-DDD 21
trans-Chlordane 7.3 J

6100-SED12A
Depth 0 - 1.2 ft bss
Parameter Result
4,4'-DDD 15
cis-Chlordane 6.9
trans-Chlordane 8.3 J

6100-SED12B
Depth 1.2 - 2.4 ft bss
Parameter Result
4,4'-DDD 38
4,4'-DDT 290
cis-Chlordane 8.1
trans-Chlordane 11 J

6100-SED13A
Depth 0 - 2 ft bss
Parameter Result
Barium 390 J
Cadmium 7.9 J
Lead 1,100 J
Silver 9.1 J
Zinc 1,600 J
Phenanthrene 680
Fluoranthene 710 J
Pyrene 990
4,4'-DDE 14 J
trans-Chlordane 7.9 J

6100-SED13B
Depth 2 - 4 ft bss
Parameter Result
Barium 610 J
Lead 1,400 J
Silver 7.8 J
Zinc 1,900 J
Cyanide 2.6 J
Phenanthrene 1,800
Anthracene 700
Fluoranthene 2,700
Pyrene 3,300
Benzo(a)anthracene 1,800
Chrysene 1,700
Benzo(b)fluoranthene 1,500
Benzo(a)pyrene 1,600
Benzo(g,h,i)perylene 660

6100-SED13C
Depth 4 - 6 ft bss
Parameter Result
Barium 510
Silver 7.6
Zinc 1,900
Cyanide 2.7
Phenanthrene 820
Fluoranthene 760
Pyrene 950

6100-SW14
Parameter Result
Iron 600

6100-SED14A
Depth 0 - 2.4 ft bss
Parameter Result
Phenanthrene 810
Fluoranthene 1,300
Pyrene 1,100
Benzo(b)fluoranthene 690

6100-SW20
Parameter Result
Cyanide 40 J-

6100-SED07A
Depth 0 - 2 ft bss
Parameter Result
Silver 5 J

6100-SED07B
Depth 2 - 4 ft bss
Parameter Result
Cadmium 11 J
Chromium 240 J
Lead 1,100 J
Silver 9.3 J

6100-SED07C
Depth 4 - 6 ft bss
Parameter Result
Cadmium 11 J
Silver 8.2 J

6100-SED26C (Duplicate)
Depth 4 - 6 ft bss
Parameter Result
Cadmium 11 J
Silver 8.4 J

6100-SED05A
Depth 0 - 2 ft bss
Parameter Result
Cadmium 15 J
Chromium 230 J
Lead 1,000 J
Silver 10 J
Cyanide 5.5 J

6100-SED05B
Depth 2 - 4 ft bss
Parameter Result
Cadmium 11 J
Chromium 290 J
Silver 11 J

6100-SED10A
Depth 0 - 1.8 ft bss
Parameter Result
Silver 10 J
cis-Chlordane 9.6

6100-SED10B
Depth 1.8 - 3.6 ft bss
Parameter Result
Cadmium 11 J
Lead 1,600 J
Silver 8.1 J
Zinc 1,600 J
Bis(2-ethylhexyl)phthalate 2,200

6100-SED10C
Depth 3.6 - 5.5 ft bss
Parameter Result
1,2,4-Trimethylbenzene 190
4,4'-DDE 7.3 J
4,4'-DDD 21
cis-Chlordane 7.8
trans-Chlordane 10

6100-SED17A
Depth 0 - 0.5 ft bss
Parameter Result
Phenanthrene 920
Fluoranthene 1,600
Pyrene 1,300
Bis(2-ethylhexyl)phthalate 780
Benzo(b)fluoranthene 690

6100-SED09C
Depth 0 - 2 ft bss
Parameter Result
Silver 5.8
Phenanthrene 2,600
Fluoranthene 3,100
Pyrene 2,300
Benzo(a)anthracene 1,000
Chrysene 1,200
Bis(2-ethylhexyl)phthalate 2,100
Benzo(b)fluoranthene 1,400
Benzo(a)pyrene 890
cis-Chlordane 9.1 J

6100-SED09B
Depth 2 - 4 ft bss
Parameter Result
Lead 1,000
Silver 4.9
Bis(2-ethylhexyl)phthalate 2,500

6100-SED26B (Duplicate)
Depth 2 - 4 ft bss
Parameter Result
Phenanthrene 2,200
Fluoranthene 4,500 J
Pyrene 3,700
Benzo(a)anthracene 2,100
Chrysene 2,100
Bis(2-ethylhexyl)phthalate 790
Benzo(b)fluoranthene 2,900
Benzo(k)fluoranthene 820
Benzo(a)pyrene 2,300
Indeno(1,2,3-cd)pyrene 1,200
Benzo(g,h,i)perylene 1,300
4,4'-DDD 17
trans-Chlordane 7.3 J

6100-SED09A
Depth 4 - 6 ft bss
Parameter Result
Fluoranthene 1,000
Pyrene 990
Bis(2-ethylhexyl)phthalate 970
4,4'-DDE 23 J
4,4'-DDD 46
cis-Chlordane 7.7 J
trans-Chlordane 14

0 130 260 520
Scale in Feet

Legend

- Sediment and Surface Water Sample Location
- Sediment Sample Location
- CSO Outfall (Combined Sewage Overflow Outfall)
- MS4 Outfalls (Municipal Separate Storm Sewer System)
- Extent of Cyanide Contamination (Inferred Through Remediated Zone)
- Coney Island Creek
- Area of Observed Sediment Contamination (144,716 sq yards)
- NY Protected Areas Database

Sources:
1. New York Protected Areas Database (NYPAD) New York Natural Heritage Program 625 Broadway Albany, NY 12233-4757, 2017.
2. Weston Solutions, Inc. (WESTON®) Site Assessment Team (SAT V). Site Logbook No. DCN # SAT-V.6100.0001, Coney Island Creek Site Inspection, March 9, 2021 – June 7, 2021. [22 pages]
3. Okwuonu, Israel, USEPA/R2/HWSB/HWSS. Executive Narrative, Case No.: 49391, SDG No.: BG4Z8; with attached analytical data. June 14, 2021. [196 pages], p. 94
4. Okwuonu, Israel, USEPA/R2/HWSB/HWSS. Executive Narrative, Case No.: 49391, SDG No.: BG514; with attached analytical data. June 22, 2021. [250 pages] pp. 23, 24, 80-82, 90, 96-98, 102, 112, 116, 128, 134, 140, 146, 152-154
5. Arnone, Russell, USEPA/R2/HWSB/HWSS. Executive Narrative, Case No.: 49391, SDG No.: BG516; with attached analytical data. June 25, 2021. [127 pages] pp. 27, 28, 55, 56
6. Arnone, Russell, USEPA/R2/HWSB/HWSS. Executive Narrative, Case No.: 49391, SDG No.: BG595; with attached analytical data. June 23, 2021. [103 pages] pp. 29, 30, 37, 38
7. Kumar, Narendra, USEPA/R2/HWSB/HWSS. Executive Narractive, Case No.: 49391, SDG No.: BG4Z8-M; with attached analytical data. June 7, 2021. [80 pages] pp. 13, 33, 36, 42, 43, 45, 46, 48, 54, 57, 58, 60, 63, 66
8. Arnone, Russell, USEPA/R2/HWSB/HWSS. Executive Narrative, Case No.: 49391, SDG No.: BG501-M; with attached analytical data. June 3, 2021. [81 pages] p. 64
9. Kumar, Narendra, USEPA/R2/HWSB/HWSS. Executive Narrative, Case No.: 49391, SDG No.: BG514-M; with attached analytical data. June 10, 2021. [48 pages] pp. 24, 30, 33, 36, 39
10. Kumar, Narendra, USEPA/R2/HWSB/HWSS. Executive Narrative, Case No.: 49391, SDG No.: BG515-M; with attached analytical data. June 10, 2021. [77 pages] pp. 13, 16, 28, 21, 34, 37, 49, 58, 59, 61, 62, 64
11. Kumar, Narendra, USEPA/R2/HWSB/HWSS. Executive Narrative, Case No.: 49391, SDG No.: BG516-M; with attached analytical data. June 17, 2021. [56 pages] p. 43
12. Esri World Imagery, 2021.

Notes:
1. *The source of this map image is Esri, used by EPA with Esri's permission.*
2. ft bss - feet below sediment surface
3. Sediment results for organic constituents presented in micrograms per kilogram (µg/kg).
4. Sediment results for inorganic constituents presented in milligrams per kilogram (mg/kg).
5. Surface water results presented in micrograms per liter (µg/L).
6. J - estimated concentration.
7. Locations of CSO and MS4 outfalls confirmed in the field.
8. The Area of Observed Sediment Contamination is shaded. The calculated surface area (144,716 sq yards) multiplied by the average maximum depth of contamination (1.5 yds) gives us the volume of contaminated sediment (217,074 cubic yards).
9. Only showing locations/results that meet the criteria for observed release/observed contamination (≥3x maximum background, or ≥ highest RDL if no background detections).

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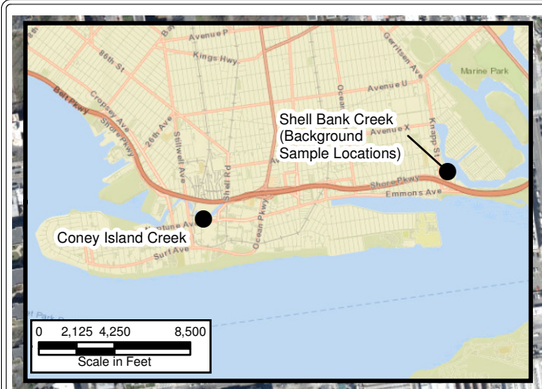
PROJECT MANAGER: S. Snyder
CHECKED BY: G. Gilliland
CONTRACT No.:
DELIVERY ORDER NO.:
DRAWN/MODIFIED BY: H. Bravo-Ruiz
DATE CREATED: 7/28/2021
REPORT DATE: December 2021
DRAWING: 2724\1_ConeyIslandCreek\0022_Sampling_Results.mxd
PATH: P:\SAT\ConeyIslandCreek\MXD
REVISION No.: 0
WORK ORDER No.: 40200.036.049.6200

N W E S

CLIENT NAME: EPA
PROJECT NAME: 00490200-00

DRAWING TITLE: Contaminant Levels in Coney Island Creek Sediment and Surface Water
DATE: December 2021
SCALE: 1 " = 260 '
FIGURE: 3a



	6100-SED25A Depth 0 - 2	6100-SED26A* Depth 0-2	6100-SED25B Depth 2-4	6100-SED25C Depth 4-6
Parameter	**Result**	**Result**	**Result**	**Result**
Barium	24 U	24 U	62	110 J
Cadmium	0.14 J	0.11 J	0.49 J	1.4 J
Chromium	19	14	65	59 J
Lead	6.8	4.5	34	180 J
Silver	1.2 U	1.2 U	1.9 U	0.68 J
Zinc	25	21	100	270 J
Cyanide	0.26 J	0.58 U	0.58 J	1.3 UJ
1,2,4-Trimethylbenzene	6.4 U	6.2 U	12 U	35 UJ
Phenanthrene	220 U	220 U	300 U	650 UJ
Anthracene	220 U	220 U	300 U	650 UJ
Fluoranthene	220 U	220 U	300 U	650 UJ
Pyrene	220 U	220 U	300 U	650 UJ
Benzo(a)anthracene	220 U	220 U	300 U	650 UJ
Chrysene	220 U	220 U	300 U	650 UJ
Bis(2-ethylhexyl)phthalate	220 U	220 U	300 U	650 UJ
Benzo(b)fluoranthene	220 U	220 U	300 U	650 UJ
Benzo(k)fluoranthene	220 U	220 U	300 U	650 UJ
Benzo(a)pyrene	220 U	220 U	300 U	650 UJ
Indeno(1,2,3-cd)pyrene	220 U	220 U	300 U	650 UJ
Benzo(g,h,i)perylene	220 U	220 U	300 U	650 UJ
4,4'-DDE	4.4 U	4.3 U	5.8 U	13 UJ
4,4'-DDD	4.4 U	4.3 U	5.8 U	13 UJ
4,4'-DDT	4.4 U	4.3 U	5.8 U	13 UJ
cis-Chlordane	2.2 U	2.2 U	3.0 U	6.5 UJ
trans-Chlordane	2.2 U	2.2 U	3.0 U	6.5 UJ

6100-SW25	
Parameter	**Result**
Iron	500 U
Cyanide	10 U

	6100-SED23A Depth 0 - 2	6100-SED23B Depth 2-4	6100-SED23C Depth 4-6
Parameter	**Result**	**Result**	**Result**
Barium	23 U	32 U	31 U
Cadmium	0.57 U	0.31 J	0.31 J
Chromium	6.0	28	28
Lead	2.2	8.7	8.8
Silver	1.1 U	1.6 U	1.5 U
Zinc	8.7	45	47
Cyanide	0.50 U	0.80 U	0.76 U
1,2,4-Trimethylbenzene	6.8 U	9.0 U	9.4 U
Phenanthrene	220 U	260 U	280 U
Anthracene	220 U	260 U	280 U
Fluoranthene	220 U	260 U	280 U
Pyrene	220 U	260 U	280 U
Benzo(a)anthracene	220 U	260 U	280 U
Chrysene	220 U	260 U	280 U
Bis(2-ethylhexyl)phthalate	220 U	260 U	280 U
Benzo(b)fluoranthene	220 U	260 U	280 U
Benzo(k)fluoranthene	220 U	260 U	280 U
Benzo(a)pyrene	220 U	260 U	280 U
Indeno(1,2,3-cd)pyrene	220 U	260 U	280 U
Benzo(g,h,i)perylene	220 U	260 U	280 U
4,4'-DDE	4.2 U	5.0 U	5.5 U
4,4'-DDD	4.2 U	5.0 U	5.5 U
4,4'-DDT	4.2 U	5.0 U	5.5 U
cis-Chlordane	2.2 U	2.6 U	2.8 U
trans-Chlordane	2.2 U	2.6 U	2.8 U

6100-SW23	
Parameter	**Result**
Iron	500 U
Cyanide	10 U

	6100-SED22A Depth 0 - 2	6100-SED22B Depth 2-4	6100-SED22C Depth 4-6
Parameter	**Result**	**Result**	**Result**
Barium	41 UJ	38 UJ	41 UJ
Cadmium	0.58 J	0.50 J	0.67 J
Chromium	35 J	29 J	40 J
Lead	11 J	9.5 J	12 J
Silver	2.1 UJ	1.9 UJ	2.0 UJ
Zinc	52 J	48 J	61 J
Cyanide	1.0 UJ	0.97 UJ	0.87 UJ
1,2,4-Trimethylbenzene	9.9 U	11 U	14 U
Phenanthrene	310 U	310 U	330 U
Anthracene	310 U	310 U	330 U
Fluoranthene	310 U	310 U	330 U
Pyrene	310 U	310 U	330 U
Benzo(a)anthracene	310 U	310 U	330 U
Chrysene	310 U	310 U	330 U
Bis(2-ethylhexyl)phthalate	310 U	310 U	330 U
Benzo(b)fluoranthene	310 U	310 U	330 U
Benzo(k)fluoranthene	310 U	310 U	330 U
Benzo(a)pyrene	310 U	310 U	330 U
Indeno(1,2,3-cd)pyrene	310 U	310 U	330 U
Benzo(g,h,i)perylene	310 U	310 U	330 U
4,4'-DDE	6.0 U	6.0 U	6.4 U
4,4'-DDD	6.0 U	6.0 U	6.4 U
4,4'-DDT	6.0 U	6.0 U	6.4 U
cis-Chlordane	3.1 U	3.1 U	3.3 U
trans-Chlordane	3.1 U	3.1 U	3.3 U

6100-SW24	
Parameter	**Result**
Iron	500 U
Cyanide	10 U

	6100-SED24A Depth 0 - 2	6100-SED24B Depth 2-4	6100-SED24C Depth 4-6
Parameter	**Result**	**Result**	**Result**
Barium	30	62	130 J
Cadmium	0.30 J	0.61 J	2.4 J
Chromium	38	37	76 J
Lead	18	55	330 J
Silver	1.5 U	1.5 U	1.4 J
Zinc	58	140	480 J
Cyanide	0.77 U	0.76 U	0.47 J
1,2,4-Trimethylbenzene	8.5 U	8.2 U	18 U
Phenanthrene	260 U	290 U	390 U
Anthracene	260 U	290 U	390 U
Fluoranthene	260 U	290 U	390 U
Pyrene	260 U	290 U	390 U
Benzo(a)anthracene	260 U	290 U	390 U
Chrysene	260 U	290 U	390 U
Bis(2-ethylhexyl)phthalate	260 U	290 U	390 U
Benzo(b)fluoranthene	260 U	290 U	390 U
Benzo(k)fluoranthene	260 U	290 U	390 U
Benzo(a)pyrene	260 U	290 U	390 U
Indeno(1,2,3-cd)pyrene	260 U	290 U	390 U
Benzo(g,h,i)perylene	260 U	290 U	390 U
4,4'-DDE	5.0 U	5.6 U	0.52 J
4,4'-DDD	5.0 U	5.6 U	7.5 U
4,4'-DDT	5.0 U	5.6 U	7.5 U
cis-Chlordane	2.6 U	2.9 U	3.9 U
trans-Chlordane	2.6 U	2.9 U	3.9 U

6100-SW22	
Parameter	**Result**
Iron	500 U
Cyanide	10 U

Legend

⊕ Background Sediment and Surface Water Sample Location

Sources:
1. Weston Solutions, Inc. (WESTON®) Site Assessment Team (SAT V). Site Logbook No. DCN # SAT-V.6100.0001, Coney Island Creek Site Inspection. March 9, 2021 – June 7, 2021. [22 pages]
2. Kumar, Narendra, USEPA/R2/HWSB/HWSS. Executive Narrative, Case No.: 49391, SDG No.: BG501; with attached analytical data. June 16, 2021. [211 pages] pp. 22-24, 26, 28-30, 32, 38-40, 42, 44-46, 48, 50-58, 60, 62-64, 68-70, 72, 74-76, 78, 80-82, 84, 86-88, 90, 92-94, 96, 100-102, 104
3. Arnone, Russell, USEPA/R2/HWSB/HWSS. Executive Narrative, Case No.: 49391, SDG No.: BG501-M; with attached analytical data. June 3, 2021. [81 pages] pp. 11, 13, 14, 16, 26, 28, 29, 31, 32, 34, 35, 37, 38, 40, 41, 43, 44, 46, 47, 49, 50, 52, 53, 55, 56, 58
4. ESRI World Imagery, 2021.

Notes:
1. ***The source of this map image is Esri, used by EPA with Esri's permission.***
2. All depths in feet below sediment surface (ft bss).
3. Only showing background results for analytes detected at levels that meet observed release criteria in Coney Island Creek (see Figure 3a).
4. Sediment resuts for organic constituents presented in micrograms per kilogram (µg/kg).
5. Sediment results for inorganic constituents presented in milligrams per kilogram (mg/kg).
6. Surface water results presented in micrograms per liter (µg/L).
7. * - Duplicate of sample 6100-SED25A.

SCALE: 0 250 500 1,000 Scale in Feet

PROJECT: 00490200-00

CLIENT NAME: EPA

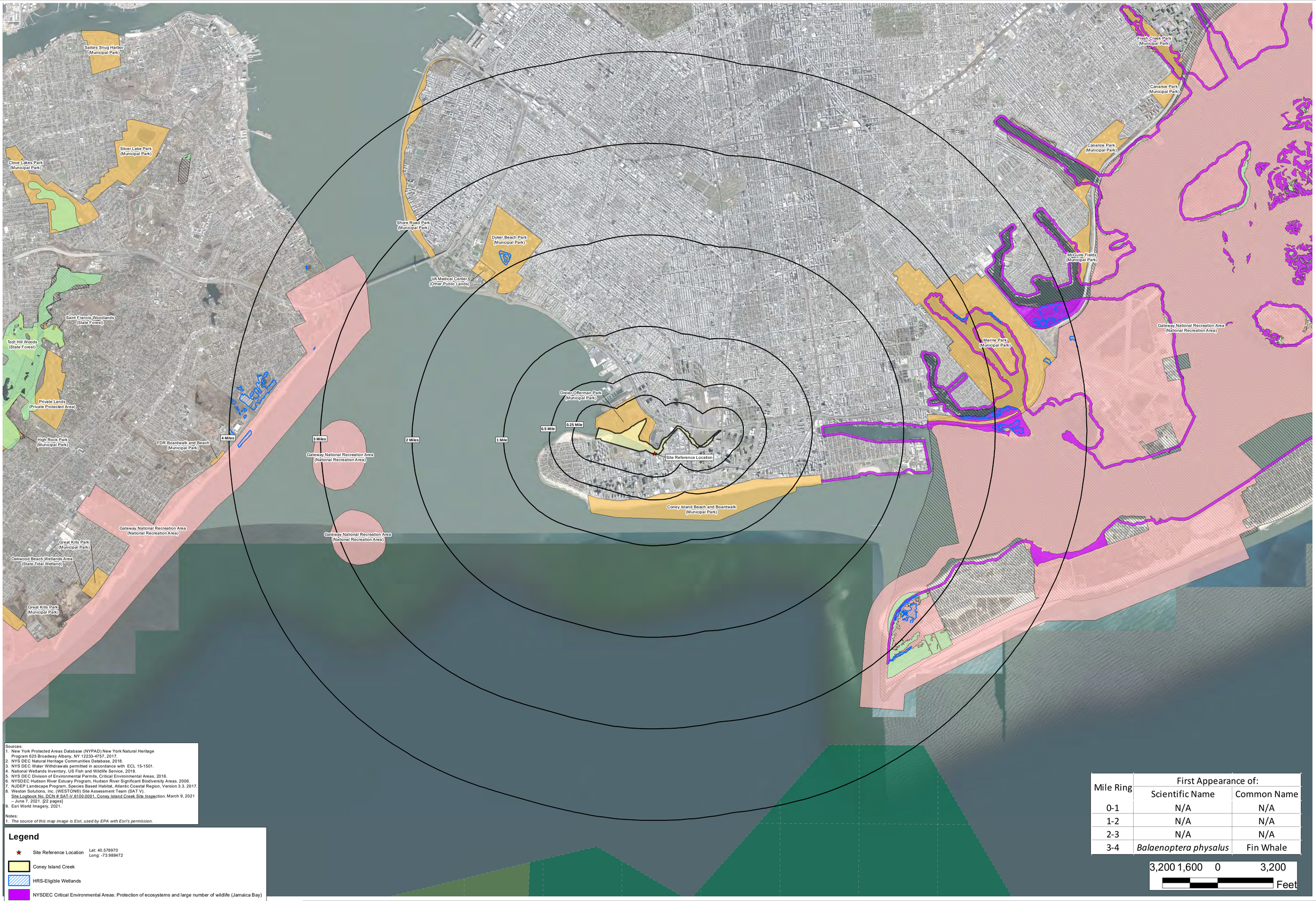
TITLE: CONEY ISLAND CREEK BACKGROUND SEDIMENT AND SURFACE WATER ANALYTICAL RESULTS

WESTON SOLUTIONS SM

DATE: December 2021

FIGURE #: 3b

File Path: P:\SAT2\ConeyIslandCreek\MXD\27245_ConeyIslCreek6100_Sampling_Results_Bkground.mxd



Sources:
1. New York Protected Areas Database (NYPAD) New York Natural Heritage Program 625 Broadway Albany, NY 12233-4757, 2017.
2. NYS DEC Natural Heritage Communities Database, 2018.
3. NYS DEC Water Withdrawals permitted in accordance with ECL 15-1501.
4. National Wetlands Inventory, US Fish and Wildlife Service, 2019.
5. NYS DEC Division of Environmental Permits, Critical Environmental Areas, 2016.
6. NYSDEC Hudson River Estuary Program, Hudson River Significant Biodiversity Areas. 2006.
7. NJDEP Landscape Program, Species Based Habitat, Atlantic Coastal Region, Version 3.3. 2017.
8. Weston Solutions, Inc. (WESTON®) Site Assessment Team (SAT V). Site Logbook No. DCN # SAT-V 8100.0001, Coney Island Creek Site Inspection. March 9, 2021 – June 7, 2021. [22 pages]
9. Esri World Imagery, 2021.

Notes:
1. *The source of this map image is Esri, used by EPA with Esri's permission.*

Legend

- Site Reference Location — Lat: 40.578970, Long: -73.988472
- Coney Island Creek
- HRS-Eligible Wetlands
- NYSDEC Critical Environmental Areas: Protection of ecosystems and large number of wildlife (Jamaica Bay)
- NYSDEC-designated Natural Heritage Sites: Maritime dunes, upland systems, forested upland system
- NY Protected Areas Database: National Recreation Areas
- NY Protected Areas Database: Municipal parks and other public lands
- Hudson River Significant Biodiversity Area

NJDEP Species Based Habitat

- Rank 3 - State Threatened
- Rank 4 - State Endangered
- Rank 5 - Federal Listed

Mile Ring	First Appearance of:	
	Scientific Name	Common Name
0-1	N/A	N/A
1-2	N/A	N/A
2-3	N/A	N/A
3-4	*Balaenoptera physalus*	Fin Whale

3,200 1,600 0 3,200 Feet

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205 Campus Drive Edison, New Jersey 08837-3939
TEL: (732) 417-5800 Fax: (732) 417-5801
http://www.westonsolutions.com

N W E S

REPORT DATE: December 2021
PROJECT MANAGER: S. Snyder
CLIENT NAME: EPA
DRAWING TITLE: 4-MILE RADIUS MAP CONEY ISLAND CREEK BROOKLYN, KINGS COUNTY, NY
DRAWING: 25380_ConeyIslCreek0802_4mile.mxd
PATH: P:\SAT2\ConeyIslandCreek\MXD
CHECKED BY: G. Gilliland
REVISION No. 0
CONTRACT No.
DELIVERY ORDER NO.
PROJECT NAME: 00490200-00
WORK ORDER No. 40200.036.049.6200
DRAWN/MODIFIED BY: H. Bravo-Ruiz
DATE CREATED: 7/2/2021
FIGURE: 4
SCALE: 1" = 1,800'
DATE: Dec. 2021

Sources:
1. New York Protected Areas Database (NYPAD) New York Natural Heritage Program 625 Broadway Albany, NY 12233-4757. 2017.
2. NYS DEC Natural Heritage Communities Database. 2018.
3. NYS DEC Water Withdrawals permitted in accordance with ECL 15-1501.
4. NYS DEC Division of Environmental Permits, Critical Environmental Areas. 2016.
5. National Wetlands Inventory, US Fish and Wildlife Service. 2019.
6. NYSDEC Hudson River Estuary Program, Hudson River Significant Biodiversity Areas. 2006.
7. NJDEP Landscape Program, Species Based Habitat, Atlantic Coastal Region, Version 3.3. 2017.
8. Weston Solutions, Inc. (WESTON®) Site Assessment Team (SAT V). Site Logbook No. DCN # SAT-V-8100.0001, Coney Island Creek Site Inspection. March 9, 2021 – June 7, 2021. [22 pages]
9. Esri World Imagery Basemap. 2019.

Notes:
1. *The source of this map image is Esri, used by EPA with Esri's permission.*

- Site Reference Location — Lat: 40.578970, Long: -73.988472
- Mile Markers
- 15-Mile Target Distance Limit (TDL)
- Coney Island Creek
- HRS-Eligible Wetlands
- NYSDEC Critical Environmental Areas: Protection of ecosystems and large number of wildlife (Jamaica Bay)
- NYSDEC-designated Natural Heritage Sites: Maritime dunes, upland systems, forested upland system
- NY Protected Areas Database: National Recreation Areas
- NY Protected Areas Database: Municipal parks and other public lands
- Hudson River Significant Biodiversity Area

NJDEP Species-Based Habitat Rank
- Rank 3 - State Threatened
- Rank 4 - State Endangered
- Rank 5 - Federal Listed

Miles Downstream of PPE	First Appearance of:		
	Scientific Name	Common Name	Waterbody
4-5	*Acipenser brevirostrum*	Shortnose Sturgeon	Upper Bay
7-8	*Balaenoptera physalus*	Fin Whale	Atlantic Ocean
8-9	*Nycticorax nycticorax*	Black-crowned Night-heron	Newark Bay
9-10	*Pandion haliaetus*	Osprey	Kill van Kull
10-11	*Caretta caretta*	Atlantic Loggerhead	Raritan Bay
11-12	*Pontia protodice*	Checkered White	Newark Bay
12-13	*Rynchops niger*	Black Skimmer	Raritan Bay
13-14	*Haliaeetus leucocephalus*	Bald Eagle	Arthur Kill
14-15	*Bubulcus ibis*	Cattle Egret	Arthur Kill

0 0.5 1 2 3 4 Miles

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N W E S

REPORT DATE: December 2021
PROJECT MANAGER: S. Snyder
CLIENT NAME: EPA
DRAWING: 25381_ConeyIslCreek0802_15-Mile_Map.mxd
PATH: P:\SAT2\ConeyIslandCreek\MXD
CHECKED BY: G. Gilliland
REVISION No.: 0
CONTRACT No.:
DELIVERY ORDER NO.:
PROJECT NAME: 00490200-00
WORK ORDER No.: 40200.036.049.6200
DRAWN/MODIFIED BY: H. Bravo-Ruiz
DATE CREATED: 7/2/2021

DRAWING TITLE:
15-MILE PATHWAY MAP
CONEY ISLAND CREEK
BROOKLYN, KINGS COUNTY, NY

FIGURE: 5
SCALE: 1" = 5,280'
DATE: Dec. 2021

EPA
United States
Environmental Protection
Agency

Scientific Support Section
Superfund Division
EPA Region 4

March 2018 Update

Region 4 Ecological Risk Assessment Supplemental Guidance



Supplemental Guidance to ERAGS: Region 4, Ecological Risk Assessment.
Originally published November 1995 and updated March 2018
Region 4 Risk Assessment Resources – https://www.epa.gov/risk/region-4-risk-assessment-contacts

Contents

Page No:

Acronyms and Abbreviations AA-1
1.0 Overview 1-1
1.1 Introduction and Purpose 1-1
1.2 Coordination with Stakeholders 1-2
2.0 Screening Level Ecological Risk Assessment 2-1
2.1 Step 1: Screening-level Problem Formulation and Ecological Effects Evaluation 2-1
2.2 Step 2: Screening-level Preliminary Exposure Estimate and Risk Calculation 2-2
2.3 SLERA Uncertainties and Data Gaps 2-5
2.4 SLERA Report 2-5
2.5 Scientific/Management Decision Point 2-10
3.0 Baseline Problem Formulation 3-1
3.1 Refinement of Preliminary Chemicals of Potential Concern (Step 3a) 3-2
3.1.1 Conservative Mean Exposure Estimates and Refinement Screening Values 3-3
3.1.2 Background Concentrations 3-4
3.1.3 Nutrients and Dietary Considerations 3-4
3.1.4 Frequency, Magnitude, and Pattern of Detected Chemicals 3-5
3.1.5 Mode of Toxicity and Potential for Bioaccumulation 3-5
3.1.6 Multiple Contaminant Effects 3-6
3.1.7 Exposure Considerations 3-7
3.1.8 COPC Refinement Table 3-8
3.1.9 Uncertainties in the Refinement Screening Process 3-11
3.1.10 Step 3a – Scientific/Management Decision Point 3-12
3.2 Baseline Problem Formulation Step 3b – Planning and Scoping of the Risk Assessment 3-12
3.2.1 Known Ecological Effects of COPCs 3-13
3.2.2 Contaminant Fate and Transport, Ecosystems Potentially at Risk, and Complete Exposure Pathways 3-13
3.2.3 Assessment Endpoints 3-15
3.2.4 Conceptual Model and Risk Questions 3-15
3.2.5 Scientific/Management Decision Point 3-17
4.0 Study Design 4-1
4.1 Establishing Measurement Endpoints 4-1
4.2 Scientific/Management Decision Point 4-3

5.0 Additional Steps in the Ecological Risk Assessment Process 5-1
6.0 Ecological Screening Values 6-1
6.1 Surface Water Screening Levels 6-1
6.1.1 Water Quality Criteria and Great Lakes Initiative Tier 2 Values 6-2
6.1.2 State Surface Water Standards, Other Tier 2 Values and Canadian Water Quality Guidelines 6-2
6.1.3 Surface Water Toxicity Modelled by Structure Activity Relationships 6-3
6.1.4 Surface Water Toxicity Data in EPA Knowledgebase 6-3
6.1.5 Other Considerations for Surface Water Screening 6-3
6.1.6 Equilibrium Partitioning and Target Lipid Modeling to Derive Surface Water ESVs 6-4
6.2 Sediment Screening Values 6-7
6.2.1 Sediment ESVs based on Effect Ranges 6-8
6.2.2 Sediment ESVs Based on Equilibrium Partitioning 6-10
6.2.3 Sediment ESVs based on Narcotic Mode of Toxicity 6-12
6.2.4 PAH Mixtures – Refinement Screening Values 6-12
6.3 Soil Screening Values 6-14
6.4 Wildlife Screening Values 6-15
6.5 Groundwater Screening Values 6-16
7.0 References 7-1

Tables

Table 1a Region 4 Surface Water Screening Values for Hazardous Waste Sites
Table 1b Conversion Factors (CF) and Hardness-Dependent Equations
Table 1c Example Freshwater Screening Values for Varying Degrees of Water Hardness
Table 2a Region 4 Sediment Screening Values for Hazardous Waste Sites for Non-Narcotic Modes of Action
Table 2b Region 4 Sediment Screening Values for Hazardous Waste Sites for Narcotic Mode of Action
Table 2c Region 4 Step 3a Sediment Screening Values for Polycyclic Aromatic Hydrocarbons (PAHs) at Hazardous Waste Sites
Table 3 Region 4 Soil Screening Values for Hazardous Waste Sites

Acronyms and Abbreviations

%	percent
ΣTU	Sum Toxic Unit
ACR	acute to chronic ratio
ARAR	applicable or relevant and appropriate requirement
BAF	bioaccumulation factor
BERA	Baseline Ecological Risk Assessment
BLM	Biotic Ligand Model
BSV	background screening value
$CaCO_3$	calcium carbonate
CCC	Criteria Continuous Concentration
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CF	conversion factor
CLP	Contract Laboratory Program
cm^3	cubic centimeter
CMC	Criteria Maximum Concentration
COPCs	chemicals of potential concern
CS	Confirmation Sampling
CSM	conceptual site model
CTLBB	critical lipid body burden
DDD	dichlorodiphenyldichloroethane
DDE	dichlorodiphenyldichloroethylene
DDT	dichlorodiphenyltrichloroethylene
DoD	Department of Defense
DOI	U.S. Department of Interior
DQO	data quality objective
dw	dry weight
EBS	environmental baseline survey
EcoSSL	Ecological Soil Screening Level
ECOSAR	Ecological Structure Activity Relationships
EPA	U.S. Environmental Protection Agency
EPC	exposure point concentration
EPI	Estimation Program Interface

Acronyms and Abbreviations (continued)

EqP	equilibrium partitioning
ERA	Ecological Risk Assessment
ERAGS	Ecological Risk Assessment Guidance for Superfund
ER-L	effects range-low
ER-M	effects range-median
ESB	EqP sediment benchmark
ESI	Expanded Site Investigation
ESV	ecological screening value
FDEP	Florida Department of Environmental Protection
g/cm^3	grams per cubic centimeter
GERA	Guidelines for Ecological Risk Assessment
GLI	Great Lakes Initiative
HMW-PAH	high molecular weight polycyclic aromatic hydrocarbon
HQ	hazard quotient
Kow	partition coefficient
LANL	Los Alamos National Laboratory
LMW-PAH	low molecular weight polycyclic aromatic hydrocarbon
LOAEL	Lowest Observed Adverse Effect Level
L/kg	liters per kilogram
mg/kg	milligrams per kilogram
mg/L	milligrams per liter
mmol/L	millimoles per liter
µmol/g	micrograms per gram
µg/kg	micrograms per kilogram
µg/L	micrograms per liter
NCP	National Oil and Hazardous Substances Pollution Contingency Plan
NOAA	National Oceanic and Atmospheric Administration
NOAEL	No Observed Adverse Effect Level
NWQC	National Water Quality Criteria
OC	organic carbon
OLEM	Office of Land and Emergency Management
ORNL	Oak Ridge National Laboratory
PA/SI	Preliminary Assessment/Site Inspection
PBT	persistent, bioaccumulative and toxic

Acronyms and Abbreviations (continued)

PAH	polycyclic aromatic hydrocarbon
PCB	polychlorinated biphenyl
PCOPC	preliminary chemical of potential concern
PEC	probable effect concentration
PEL	probable effect level
pH	hydrogen ion concentration
PRGs	preliminary remedial goals
RCRA	Resource Conservation and Recovery Act of 1976
RFA	Resource Conservation and Recovery Act Facility Assessment
RFI	Resource Conservation and Recovery Act facility investigation
RI	remedial investigation
RPM	remedial project manager
ROD	Record of Decision
RSV	refinement screening value
SAP	Sampling and Analysis Plan
SI	Site Investigation
SLERA	Screening-Level Ecological Risk Assessment
SMDP	scientific/management decision point
SSS	Scientific Support Section
SVOC	semi-volatile organic compound
TEC	threshold effect concentration
TEL	threshold effect level
TLM	target lipid model
TOC	total organic carbon
TRV	toxicity reference value
UCL	upper confidence limit
VOC	volatile organic compound
WQB	water quality benchmark

1.0 Overview

1.1 Introduction and Purpose

The role of an Ecological Risk Assessment (ERA) is to: (1) determine whether unacceptable risks are posed to ecological receptors from chemical stressors, (2) derive chemical levels that would not pose unacceptable risks, and (3) provide the information necessary to make a risk management decision concerning the practical need and extent of remedial action.

The purpose of this supplemental guidance is to provide regional direction for implementation of the U.S. Environmental Protection Agency (EPA) *Ecological Risk Assessment Guidance for Superfund* (ERAGS; EPA, 1997). This guidance is appropriate for Superfund sites under the authority of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and regulated by the Office of Land and Emergency Management (OLEM). The Guidelines for Ecological Risk Assessment (GERA; EPA, 1998) published by the Risk Assessment Forum provide agency-wide guidance. This supplemental guidance clarifies the National ERAGS guidance as appropriate at both Resource Conservation and Recovery Act (RCRA) and Superfund sites.

The ERA process as outlined in ERAGS consists of eight steps and five scientific/management decision points (SMDPs). These steps are:

1) Screening-level Problem Formulation and Ecological Effects Evaluation,
2) Screening-level Exposure Estimate and Risk Calculation
3) Baseline Problem Formulation,
4) Study Design and Data Quality Objectives (DQO) Process,
5) Field Verification of Sampling Design,
6) Site Investigation and Data Analysis,
7) Risk Characterization, and
8) Risk Management.

The decision points follow Steps 2 - 5, and 8. The decision points provide an opportunity to reach agreement between the risk manager for the site (e.g. the remedial project manager [RPM]), the risk assessment review team and any other stakeholders in the process. Exhibit I-2 from ERAGS provides a flow chart for the process.

ERAGS and this supplemental guidance provide a logical approach for evaluating ecological risks and documenting ecological concerns for remedial decision making. Project managers are guided in balancing the scope of the risk assessment against the hazards posed by the site conditions. Interaction among risk managers, risk assessors, and appropriate stakeholders is vital to all stages of the process. This guidance also promotes flexibility on a case-by-case basis regarding completion of an ERA with appropriate expenditure of effort and resources.

Additional resources may be found on the EPA's Waste and Cleanup Risk Assessment website, particularly in the ECO Update Bulletin Series issued by OLEM. This supplemental guidance contains a focused discussion of elements and topics related to CERCLA and RCRA ERAs. The guidance and direction contained in this supplemental guidance can be somewhat broad; therefore approval of specific ERA approaches that may depart from this guidance should be obtained from the EPA Region 4 Scientific Support Section (SSS).

The EPA Region 4 Supplemental Guidance is a dynamic document. Sections will be updated and new ones added as questions are posed and regional practices are developed. This guidance does not constitute rulemaking by the Agency, and may not be relied on to create a substantive or procedural right enforceable by any other person. Region 4 reserves the right to take action that is at variance with this guidance. The intent of this guidance is to aid in the development of high-quality, single draft risk assessments consistent with the criteria of the SSS in its oversight role.

1.2 Coordination with Stakeholders

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) requires the lead agency to seek to coordinate investigations with stakeholders. Stakeholders in the ERA process include state and federal regulatory and scientific personnel, and natural resource trustees. These stakeholders should be notified early in the ERA process if ecological concerns exist at a site. The public is also a stakeholder, and members of the public should be included in the decision process during those times normally arranged for public input, such as the public comment period of the CERCLA proposed plan or the RCRA statement of basis.

Natural resource trustees are representatives of federal agencies, state and/or tribes that share responsibility with the EPA in protecting the natural resources of the United States,

including “land, fish, wildlife, biota, air, water, ground water, drinking water supplies, and other such resources.” Trustees may include representatives of other federal agencies such as the Department of Interior (DOI), Department of Defense (DoD), the National Oceanic and Atmospheric Administration (NOAA), state and/or tribal officials designated by the governor of the state, as well as private and non-profit conservation organizations. Federal and state trustees in EPA Region 4 are listed under Contacts in Section 1.3.

The failure of an identified trustee or stakeholder to participate should not delay completion of these steps. Any questions regarding the stakeholder involvement should be directed to the Region 4 SSS.

2.0 Screening Level Ecological Risk Assessment

The Screening-level Ecological Risk Assessment (SLERA) represents the first two steps in the ERAGS process and is intended to allow a rapid determination by the risk assessment team and risk managers whether a waste site poses no or negligible ecological risk, or to identify which contaminants and exposure pathways require further evaluation.

SLERA activities can commence as soon as ecological concerns are identified and appropriate chemical analytical data are available for a given site. Often, limited environmental chemical data are available. Data from Preliminary Assessment/Site Inspection (PA/SI) reports in the CERCLA process, or a RCRA Facility Assessment (RFA) or Confirmation Sampling (CS) in the RCRA process or data from an Environmental Baseline Survey (EBS) can be used. The SLERA is recommended to begin upon completion of an Expanded Site Investigation (ESI) in the Superfund program or completion of a RFA in the RCRA program. If there are concerns about the potential for ecological risk at a site, ecological risk assessors can be consulted before these investigations have been performed, to obtain input that may be useful even for the initial investigations on a site.

Waiting until a remedial investigation (RI) or a RCRA Facility investigation (RFI) data are available to begin the SLERA may result in additional data collection that may be costly and potentially redundant. However, the SLERA can be iterated as new data become available. Details of how to handle phased projects should be worked out with the risk managers. Please direct any questions regarding the scope of a process and timing of an ERA or about technical issues in ERA to SSS.

2.1 Step 1: Screening-level Problem Formulation and Ecological Effects Evaluation

The screening-level problem formulation explains important environmental aspects in defining risk management decisions at the site and includes review of existing information on the following:

- Environmental setting and contaminants known or suspected at the site;
- Contaminant fate and transport mechanisms that may exist;
- The mechanisms of ecotoxicity associated with contaminants and likely affected receptors;

- Identification of complete exposure pathways;
- Selection of endpoints to screen for ecological risk; and
- A preliminary ecological effects evaluation that should include screening ecotoxicity values based on conservative thresholds such as chronic no-observed-adverse-effect-levels (NOAELs).

This information and a description of complete and potentially complete exposure pathways present at the site should be presented in a preliminary conceptual site model (CSM). Potentially complete exposure pathways refer to exposure pathways that are not currently complete but might become complete in the future. Potentially complete exposure pathways should be retained in Steps 1 and 2. Incomplete exposure pathways should also be identified and discussed.

The screening-level problem formulation can contain maps, figures, and color photographs of the site and surrounding area, if available. Completion of the Checklist for Ecological Assessment/Sampling (Appendix B – ERAGS) is highly recommended. Site visits by review personnel are strongly encouraged.

2.2 Step 2: Screening-level Preliminary Exposure Estimate and Risk Calculation

The screening-level exposure estimate and risk calculation provide a conservative risk estimate to ensure that sites with unacceptable risk will be recommended for further evaluation. The maximum concentrations of chemicals in each medium are compared to ecological screening values (ESVs) to determine preliminary chemicals of potential concern (PCOPCs). Ecological screening values are based on chemical concentrations associated with a low probability of unacceptable risks to ecological receptors. A detailed discussion of the ESV development for EPA Region 4 is provided in Section 6.

Tables 1a – 1e, 2a – 2c, and 3 list the chemical ESVs in surface water, sediment and soil, respectively. Since the ESVs are based on conservative endpoints and sensitive ecological effects data, they represent a preliminary screening of site chemical concentrations to determine if there is a need to conduct further investigations at the site. ESVs are not recommended as remediation levels.

Exceedance of the ESVs may indicate the need for further evaluation of the potential ecological risks posed by the site. To perform the screening level risk calculation, the

maximum detected concentration (or if not detected, a surrogate concentration based on one-half the detection limit) of a given chemical in a medium is divided by the Region 4 ESV for that medium. The result is the Hazard Quotient (HQ). There are a minimum of four (4) categories of PCOPCs as defined by the following criteria:

1. HQ≥1. The maximum detected concentration was greater than or equal to the ESV.
2. The chemical was detected, but no ESV was available.
3. The chemical was not detected, but the surrogate concentration was greater than or equal to the ESV. (HQ≥1)
4. The chemical was not detected, and no ESV was available.

For Category 2 and Category 4 chemicals that have no available ESVs, it is possible that these chemicals could cause an adverse effect depending on the detected concentration or the adequacy of the analytical detection limit. These circumstances would be identified as uncertainties and these chemicals would be included as PCOPCs and carried forward to into Step 3a of the Baseline Problem Formulation. There should be very few PCOPCs in Categories 2 and 4 because ESVs can be generated for chemicals that are not on the screening tables, as described in Section 6 of this document.

It is recognized for surface water ESVs that States have water quality standards for aquatic life protection that may be lower than the ESVs in Table 1a. Therefore, it is highly recommended that the State standards be reviewed and incorporated into the site-specific screening tables if they are more conservative than the ESVs.

In this Step 2, local or regional background concentrations should not be used. For screening of polycyclic aromatic hydrocarbons (PAHs) in sediment (Table 2b) and soil (Table 3), the sum total of low molecular weight PAHs (LMW-PAHs) or high molecular weight PAHs (HMW-PAHs) screening values are to be used.

Tables summarizing the ecological screening for chemicals at the site should be constructed to aid project managers with decision making processes. The presence or absence of each chemical, for all media of concern, should be listed with descriptive data such as the frequency of detection, range of detection, location(s) of maximum detection, screening criteria, and screening outcome. See the example table at the end of this subsection for screening chemicals in soil. In addition, the flowchart located at the end of

this section provides an organization of the screening process used in Steps 1 through 3.

The Region 4 ESVs consider direct toxicity as well as bioaccumulative effects on organisms, and the lowest protective value is chosen as the ESV. The term "direct" toxicity refers to adverse effects associated with exposure to a chemical dissolved in or incorporated into an environmental medium through immediate contact with the medium. For screening, the exposure point concentration (EPC) for direct toxicity to sessile organisms is the maximum detected concentrations in the habitat where these organisms live or could potentially live.

In addition to direct toxicity, there are chemicals that substantially bioaccumulate into upper trophic level receptors and many of the ESVs are protective of these receptors. For example, some of the National Recommended Water Quality Criteria for pesticides such as dichlorodiphenyltrichloroethylene (DDT) and chlordane are based on bioaccumulation and wildlife exposures. DDT is based on protection of aquatic-dependent wildlife – namely the brown pelican. In addition, the more conservative mercury number of 0.012 micrograms per liter (µg/L) accounts for bioaccumulation in piscivorous birds. Other chemicals such as PAHs and polychlorinated biphenyls (PCBs) also have benchmarks protective of upper trophic receptors.

In the surface water and sediment screening tables, bioaccumulative chemicals are presented in red color. Organic bioaccumulative chemicals were identified with the EPA's Estimation Program Interface (EPI) suite, bioconcentration factor (BCF) module. Chemicals estimated to have a log Arnot-Gobas model, upper trophic level fish BCF greater than 4 were considered bioaccumulative. The soil screening table includes those receptors that are protected by the benchmark value. In some cases, there are two screening values represented in Table 1a for bioaccumulative chemicals. Where this occurs, the maximum detected concentration is compared to the wildlife-based screening benchmark in addition to the direct contact benchmark.

Detected bioaccumulative chemicals that do not have a wildlife-based ESV should automatically be retained as PCOPCs in Step 2. A food-chain model can be used in Step 3 to further screen bioaccumulative chemicals using Region 4 default food-chain model assumptions and toxicity reference values (see Section 3.1.5). Non-detected bioaccumulative chemicals that do not have a wildlife-based ESV are not retained as PCOPCs.

2.3 SLERA Uncertainties and Data Gaps

An important part of a SLERA is identifying data gaps and uncertainties. This is especially true at sites with limited data. Uncertainty may occur in the degree of site characterization or in the potential for complete exposure pathways. Identification of data gaps and questions will guide future assessment steps. It is important to distinguish what is unknown from conclusions drawn regarding screening-level risks.

2.4 SLERA Report

The format of the SLERA may depend on whether environmental monitoring data are collected in a single phase or as multiple phases. A SLERA performed as part of the site inspection can eliminate from consideration those portions of a site that pose no threat to the environment. In cases where potential threat to the environment cannot be eliminated, the SLERA becomes a part of the planning and scoping for Step 3 – Problem Formulation. While a baseline ecological risk assessment (BERA) would typically contain an extensive discussion of all of the risk elements, the degree of emphasis in the SLERA on particular elements is adjusted as necessary to support project-specific decision-making and planning. In general, the more detailed information that is presented in Step 1, the easier it will be to develop Step 3, if needed.

The SLERA should be submitted for review to the regulatory project manager as a technical memorandum or as part of a Site Investigation (SI) report or a similar level report. Review personnel may include both the EPA staff and the EPA contractors. SSS provides oversight.

Example Table Depicting Ecological Screening for Chemicals in Soils								
CHEMICAL	**Freq. of Detection**	**Range of Detection Limits**	**Range of Detected Conc.**	**Location of Maximum Detected Conc.**	**EPA Region 4 Screening Value**	**Max Hazard Quotient (HQ)**	**Freq. Exceeding ESV**	**PCOPC (Y/N) Basis**
Volatile Organic Compounds, µg/kg								
1,2-Dichlorobenzene	2/10	4.9 – 6.4	3.5 - 100	SS-06	90	1.1	1/10	Yes/E
Tetrachloroethene	10/10	4.8 - 9	10 – 210	SS-06	60	3.5	3/10	Yes/E
1,1,2-Trichloroethene	0/10	4.9 - 12	NA	NA	180	NA	0/10	No/C
Cyclohexane	0/10	4.9 - 12	NA	NA	NA	NA	0/10	No/B
Semi-volatile Organic Compounds, µg/kg								
2-Chlorophenol	0/10	5-20	NA	NA	40	NA	NA	Yes/D
3-Chlorophenol	0/10	5-20	NA	NA	7,000	NA	NA	Yes/D
Pentachlorobenzene	2/10	79-120	40-2,200	SS-03	500	4.4	1/10	Yes/E
Polycyclic Aromatic Hydrocarbons (PAHs), µg/kg								
Low Molecular Weight Polycyclic Aromatic Hydrocarbons (LMW-PAHs)								
Acenaphthene	2/10	220 - 360	24-54	SS-08	F	NA	NA	No/F
Fluorene	2/10	220 - 360	41-91	SS-08	F	NA	NA	No/F
Phenanthrene	3/10	220 - 350	23-120	SS-08	F	NA	NA	No/F
Naphthalene	1/10	220 - 360	ND-73	SS-08	F	NA	NA	No/F
Total LMW-PAHs[1]	4/10	220 - 350	70 - 265	SS-08	29,000	0.009	0/10	No/A
High Molecular Weight PAHs (HMW-PAHs), µg/kg								
Benzo(a)anthracene	4/10	220 - 360	19 - 640	SS-09	F	NA	NA	No/F
Benzo(a)pyrene	2/10	220 - 350	20 - 590	SS-09	F	NA	NA	No/F
Benzo(b)fluoranthene	2/10	220 - 360	28 - 120	SS-09	F	NA	NA	No/F
Chrysene	1/10	220 - 350	21 - 130	SS-09	F	NA	NA	No/F
Dibenz(a,h)anthracene	1/10	220 - 350	ND - 46	SS-09	F	NA	NA	No/F
Indeno(1,2,3-cd)pyrene	5/10	220 - 350	21 - 54	SS-09	F	NA	NA	No/F
Pyrene	3/10	220 - 350	26 - 300	SS-09	F	NA	NA	No/F

Example Table Depicting Ecological Screening for Chemicals in Soils								
CHEMICAL	**Freq. of Detection**	**Range of Detection Limits**	**Range of Detected Conc.**	**Location of Maximum Detected Conc.**	**EPA Region 4 Screening Value**	**Max Hazard Quotient (HQ)**	**Freq. Exceeding ESV**	**PCOPC (Y/N) Basis**
Total HMW-PAHs[2]	5/10	220 - 350	21 – 1,800	SS-09	1,100	1.6	1/10	Yes/E
Pesticides, µg/kg								
4,4'-DDD	7/10	4.9 – 5.2	2.8 - 25	SS-07	6.3	4	0/10	Yes/E
4,4'-DDE	6/10	4.9 – 5.2	2.4 - 49	SS-07	110	0.4	0/10	No/A
4,4'-DDT	6/10	4.9 – 5.2	2.5 - 110	SS-07	1.7	65	1/10	Yes/E
Total DDT	7/10	4.9 – 5.2	18.3 - 184	SS-07	21	8.8	5/10	Yes/E
Heptachlor	1/10	2.7 – 4.7	ND - 140	SS-07	59	2.4	2/10	Yes/E
Inorganic Compounds, mg/kg								
Copper	9/10	1 - 1.3	10.4 - 66	SS-07	28	2.4	3/10	Yes/E
Manganese	10/10	1 - 3	44 - 1,020	SS-06	220	4.6	6/10	Yes/E
Sodium	3/10	61.3 – 70.6	2,550	SS-06	NA	NA	NA	Yes/G
Vanadium	10/10	1 - 3	12.1 - 54	SS-07	7.8	6.9	10/10	Yes/E

Footnotes:

PCOPC = Preliminary Chemical of Potential Concern (yes/no)

1 = Total of low molecular weight PAHs includes acenaphthene, fluorene, phenanthrene, and naphthalene,

2 = Total of high molecular weight PAHs includes benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, dibenz(a,h)anthracene, indeno(1,2,3-cd)pyrene, and pyrene

A = Maximum detected concentration is less than the screening value.

B = Chemical lacks a Region 4 screening value and was not detected in any sample.

C = Maximum detection limit is less than screening value for a chemical not detected in any sample.

D = Maximum detection limit exceeds screening value for a chemical not detected in any sample.

E = Maximum detected concentration exceeds screening value.

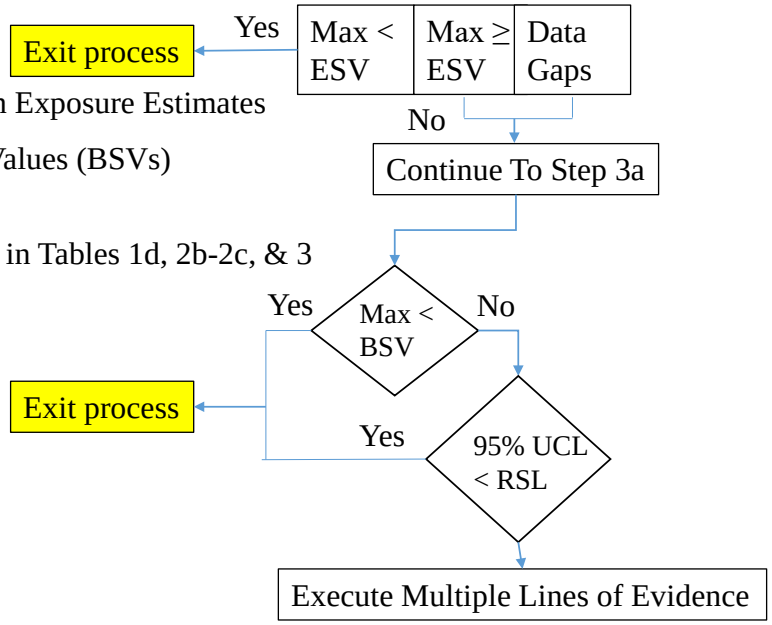
F = Chemical is a member of a class of compounds and the total concentration is screened against the screening value for the total compound in that class.

G = Chemical was detected and no Region 4 ESV was available.

Step 1: Screening-level Baseline Problem Formulation & Maximum Exposure Estimates

Step 2: Ecological Screening Values, Risk Calculation, & Scientific and Management Decision Point

- Ecological Screening Values (ESVs) in Tables 1a-1c, 2a, & 3
- Half Detection Limit for Non-detects



Step 3: Baseline Problem Formulation & Conservative Mean Exposure Estimates

- Site-specific Background Screening Values (BSVs)
- 95% UCLs
- Refinement Screening Values (RSVs) in Tables 1d, 2b-2c, & 3
- Fortify Data Gaps

Step 3a: Refinement of Preliminary Chemicals of Potential Concern & Scientific and Management Decision Point

- Multiple Lines of Evidence
  - Background Concentrations
  - Nutrients & Dietary Considerations
  - Frequency, Magnitude, & Pattern of Detection
  - Mode of Toxicity & Potential for Bioaccumulation
  - Multiple Contaminant Effect & Sum Toxic Units for Organic Chemicals in a Mixture
  - Exposure Considerations

- Step 3 Scientific & Management Decision Point
  - Chemicals of Potential Concern (COPCs)
  - Refined Exposure Pathways

Step 3b: Baseline Problem Formulation – Planning & Scoping of Risk Assessment

2.5 Scientific/Management Decision Point

Documentation of the activities in SLERA Steps 1 and 2 should be provided to all stakeholders prior to discussions associated with the SMDP.

The first SMDP occurs after Step 2. The purpose of this SMDP is to determine the best course of action for the site. There are three outcomes of the Step 2 SMDP.

1. There is adequate information to conclude that ecological risks are negligible and therefore no need for remediation on the basis of ecological risk.

   This first case covers the situation where one of three conditions are met: the site passed the screen, there are no complete or potentially complete exposure pathways to ecological receptors, or weight of evidence suggests ecological risks are relatively low and other risk management considerations apply, such as cleanup to protect human health will effectively address ecological risks. When the SLERA indicates that no potentially complete exposure pathways exist for a site and no further risk assessment is warranted, the site can exit the ERA at the end of Step 2. Note that sites with minimal habitat (e.g., industrial sites, mowed lawns and ditches) can exit the process in Step 2 if adequate justification is provided such as a habitat survey. The results of the SLERA are described in Step 8 (Risk Management) and included for the final RI or RFI report. Documentation must be included regarding why each of the subsequent steps (Steps 3 through 7) of the ERA is not needed. Steps 1 & 2, while abbreviated, are a complete risk assessment.

2. The information is not adequate to decide at this point, and the ERA process will continue to Step 3.

   Generally, sites with Screening-Level HQs greater than 1 or with chemicals present that have no screening values are carried into Step 3 (Refinement of Preliminary COPCs and Baseline Problem Formulation).

3. The information indicates a potential for adverse ecological effects, and a more thorough assessment is warranted.

   Data collected during the SLERA can be used to identify and prioritize areas within a site for potential need of interim removal actions. The SLERA results may also be useful at this point when considering other early risk management

options, such as focusing potential future investigations on key exposure pathways and receptors.

3.0 Baseline Problem Formulation

Baseline Problem Formulation, or Step 3 of the EPA's eight-step ERA process, is made up of three basic components:

1. Providing risk managers with sufficient information to determine which of the PCOPCs identified during the SLERA may need additional site-specific investigation and, which under more realistic exposure scenarios, may not require additional investigation;
2. Identifying all the potentially complete exposure pathways; and
3. Developing assessment endpoints that will be used to focus the remaining investigation to protect receptors of concern.

Baseline problem formulation is an opportunity to present additional information to help address any data gaps that may have been identified during the Step 2 SMDP and focus the remaining steps of the ERA process.

Step 3 refines the screening-level problem formulation and, with input from the trustees and other involved parties, expands on the ecological issues that may require additional work at a site. This process includes the following activities:

- Refining preliminary chemicals of potential concern;
- Further characterizing ecological effects of chemicals;
- Reviewing and refining information on chemical fate and transport, complete exposure pathways and ecosystems potentially at risk;
- Developing assessment endpoints;
- Developing a conceptual model with working hypotheses or questions that the site investigation will address; and
- Dividing the site into habitats for separate exposure groups, as appropriate.

When Baseline Problem Formulation is complete, a SMDP is required, resulting ideally in agreement on the basic components among the risk assessors, risk managers, and potentially other stakeholders.

3.1 Refinement of Preliminary Chemicals of Potential Concern (Step 3a)

An important activity defined in ERAGS (EPA 1997) is the refinement of PCOPCs. This supplemental guidance defines this activity as Step 3a.

The goal of PCOPC refinement is to review the conservative assumptions used in the SLERA and determine if any of the PCOPCs would pose negligible risk if more realistic conservative assumptions were used. This helps to focus the ERA on identifying a realistic list of chemicals of potential concern (COPCs) that are more likely to pose risk to ecological receptors.

The most important aspect of the refining process is the use of multiple lines of evidence to support a decision to drop a chemical from further investigation and providing adequate justification. Refinement screening values (RSVs) are screening values from other sources or are modifications to screening values to reflect site-specific conditions.

Consistent with the Eco Update entitled "The Role of Screening-Level Risk Assessments and Refining Contaminants of Concern in Baseline Ecological Risk Assessments", the refinement process should address chemicals based on the following criteria:

- Background concentrations;
- Nutrients and dietary considerations;
- Frequency, magnitude, and pattern of detected chemicals;
- Mode of toxicity and potential for bioaccumulation;
- Multiple contaminant effects;
- Exposure considerations.

The COPC refinement should use more than one line of evidence to support decisions and should provide justification. The criteria listed above should be applied as a discussion rather than a simple pass-fail process. For example, if a contaminant is detected in less than 5 percent (%) of samples, it still may need to be retained as a refined COPC if site characterization is inadequate. The pattern of detection is important because all of the samples with concentrations above the RSV might be located adjacent to each other. The size of the impacted area could also be an indication of potential unacceptable risk if it is greater than the home range of a local area receptor.

Refer to the flowchart in Section 2.2. Each of these criteria is discussed in detail in the following sections.

3.1.1 Conservative Mean Exposure Estimates and Refinement Screening Values

Chemicals that had site-wide maximum concentrations above the ESVs in Step 2 or those that lacked ESVs are carried into Step 3. At this point the maximum detected concentration should be replaced with the 95% upper confidence of the arithmetic mean (95% upper confidence limit [UCL]) as the EPC. Sites with multiple habitats can have more than one EPC for each chemical to reflect the averaging of samples from various exposure units within the site.

Refinement screening values will need to be developed for those chemicals that lacked tabulated ESVs in Step 2. The first column (chronic) of Tables 1a, 2a, 2b and the recommended screening value from Table 3 is used as ESVs for screening in Step 2. These ESVs are based on chronic effect values for aquatic organisms or based primarily on NOAELs. The second column of Tables 1a, 1e, 2a and 2b may be used as RSVs in Step 3a. These RSVs are based on less conservative values or lowest observed adverse effect level (LOAEL)-based effects. Other values in Table 3 may also be considered as RSVs depending on receptors of interest.

Many of the RSVs for organic chemicals were based on equilibrium partitioning and that a Sum Toxic Unit (ΣTU) approach by mode of action for screening for direct toxicity should be used as discussed in Section 3.1.6.

Acute surface water screening values can be used as refinement values for surface water. However, if the values are based on the National Recommended Water Quality Criterion or are State water quality standards, then the exposure durations relevant to the numerical criteria or standard will apply. Chemical-specific applicable or relevant and appropriate requirements (ARARs) such as State standards automatically become preliminary remedial goals (PRGs). Therefore, chemicals that were detected at concentrations above the ARAR will automatically become COPCs and cannot screen out by less restrictive RSVs.

For soils, an RSV other than the recommended soil screening value (which is the most conservative value among all possible receptors) can be selected for other receptors that are present or likely to be exposed to the site.

Refer to Section 6.1 for recommendations for using models to develop RSVs for chemicals lacking ESVs. Benchmarks from other sources can be provided for information but cannot be used to narrow the list of COPCs without an analysis of what the benchmark represents and whether it is appropriate.

3.1.2 Background Concentrations

Chemicals exceeding the screening values in the SLERA but determined to be at concentrations equal to or below the background screening value (BSV) generally do not require additional data collection or evaluation in the BERA. Details are found in the OLEM Directive "Role of Background in the CERCLA Program" (EPA, 2002a). The default BSV is conservatively set to twice the average concentration in the reference stations and compared to the site-wide maximum detected concentration. The chemical can be eliminated as a COPC if it is less than 2 times the average background level. If a chemical is not detected in the background yet detected at the site, then it is considered to exceed background.

This process is a policy-based screening that recognizes that statistically-based background data sets may not be available. However, where background samples have been collected using a statistically valid approach, the Guidance for Comparing Background and Chemical Concentrations in Soil for CERCLA Sites (EPA, 2002b) can be applied on a site-specific basis.

Background evaluations should also incorporate lines of evidence as presented in Sections 3.1.2 through 3.1.7 as well as the chemicals expected to be present at the site based on the site history. If a chemical is detected above background and above the refinement screening value, it goes into the weight of evidence consideration that can include the magnitude above background.

3.1.3 Nutrients and Dietary Considerations

Chemicals that are (1) essential nutrients, (2) present at low concentrations (i.e., only slightly elevated above background concentrations), and (3) toxic only at very high doses (i.e., much higher than those that could be associated with contact with the site) need not be considered further in the quantitative risk assessment. In general, only essential nutrients present at low concentrations (i.e., only slightly elevated above background) should be eliminated to help ensure that chemicals present at potentially toxic concentrations are evaluated in the quantitative risk assessment.

Essential nutrients that can be excluded include calcium, magnesium, sodium, and potassium. Iron should never be screened out purely on the basis of dietary considerations. Iron can be toxic at concentrations consistent with naturally occurring background concentrations under conditions of low hydrogen ion concentration (pH).

3.1.4 Frequency, Magnitude, and Pattern of Detected Chemicals

Chemicals that are infrequently detected may be artifacts in the data due to sampling, analytical, or other problems, and therefore may not be related to site operations or disposal practices. However, chemicals detected at concentrations significantly above the RSVs in one or a small number of samples should not be screened out, but rather be identified as hotspot contamination for resolution by risk managers and scientists at the Step 3a SMDP. Chemicals present at high concentrations over a small area might be acting as a contaminant source.

Consider the chemical as a candidate for exclusion from the quantitative risk assessment if: (1) it is detected infrequently (i.e., < 5% of the samples) at low concentrations in one or perhaps two environmental media, (2) it is not detected in any other sampled medium or at high concentrations in any medium sampled, and (3) there is no reason to believe that the chemical should be present at the site.

3.1.5 Mode of Toxicity and Potential for Bioaccumulation

This refinement criterion evaluates the likelihood that chemicals could exert adverse effects on higher trophic level organisms. The assessment of chemicals that may bioaccumulate, bioconcentrate, or biomagnify will benefit from quantitative risk assessment using food-chain modeling. Chemicals retained from the SLERA that do not bioaccumulate still need to be screened for direct toxicity.

For those chemical PCOPCs retained from Step 2 whose effects may be expressed via uptake through the food web, especially bioaccumulative/biomagnifying chemicals, simple food chain models can be presented as evidence to eliminate a chemical as a potential contaminant to wildlife. As mentioned in Section 2.2, the Estimation Program Interface (EPI) suite BCF module was used to identify organic bioaccumulative chemicals. The food chain models can be conducted for both aquatic and terrestrial pathways by selecting sensitive receptors (e.g., insectivorous mammals or avians) that are representative of the most sensitive endpoints such as reproductive effects. Since, at this stage in the 8-Step process, little is typically known about site-specific conditions, the

food chain model selected to evaluate effects via dietary/bioaccumulation exposure should be generic and conservative. The Region 4 SSS has developed basic food chain model assumptions and toxicity reference values (TRVs) that can be used in the refinement screening. These models and TRVs may also be used as a starting point for evaluating bioaccumulation in the BERA.

The EPC for bioaccumulative chemicals and mobile organism exposure through contamination in their food supply is the 95% UCL on the arithmetic mean concentration within a defined spatial exposure unit. The 95% UCL concentration may be calculated by using ½ the sample quantitation limit for each sample where the chemical was not detected. For details and guidance on treating non-detected data see the ProUCL program website.

Note that there may be more than one exposure unit within a site. The refinement process can be a tool to narrow the list of COPCs to certain spatial areas of a site. For media screening in this stage, the 95% UCL for a bioaccumulative chemical is compared to the same wildlife-based screening benchmark in Step 2.

3.1.6 Multiple Contaminant Effects

Contamination at many sites involve various chemical mixtures such as PAHs that are typically found at sites that released petroleum-based compounds into the environment, or halogenated aliphatic compounds (e.g., trichloroethylene, tetrachloroethylene) released from former dry cleaning sites. PAHs and many aliphatic and aromatic compounds generally share the same mode of narcosis toxicity to aquatic organisms. A protective advantage of using the common narcosis endpoint for these types of chemical mixtures is that it allows for the direct summation of the effects from each of the narcotic compounds detected in the particular medium. The refinement screening for these chemical mixtures in water, sediment and soil should apply the ΣTU approach as discussed below.

To derive the narcosis ΣTU for a sample containing multiple narcotic chemicals (Tables 1 d and e for surface water and Tables 2b and 2c for sediment), the concentration of each detected narcotic contaminant is divided by its individual ESV. Then the toxic units for each of the chemicals are added together to obtain the ΣTU. If the ΣTU is >1.0, then a potential for narcotic toxicity exists to the organisms. Similarly, Table 2a, lists those chemicals that share the same toxic mode of action (e.g., many chlorinated pesticides are classified as central nervous system seizure agents). For those detected chemicals that

share the same toxic mode of action, the ΣTU approach should be used. See the example table below for screening of PAHs in sediment to protect benthic organisms and refer to Section 6.2.4. Note that none of the individual PAHs in the example table exceeded their final chronic values; however, when they are summed as contributing to narcosis, the PAHs collectively suggest a chronic risk to benthic organisms.

Example Table Depicting Refinement Screening of PAHs as Chemicals of Potential Concern in Sediment using Sum Toxic Unit Approach

CHEMICAL	Freq. of Detection	Maximum Conc. mg/kg dry wt.	Maximum Conc. mg/kg 1% OC	Final Chronic Value (mg/kg OC)	$ESBTU_{FCVi}$	COPC (Y/N)
Acenaphthene	6/10	0.18 J	18	491	0.037	See total
Acenaphthylene	2/10	0.19 J	19	452	0.042	See total
Anthracene	4/10	1.1	110	594	0.185	See total
Fluorene	6/10	0.22	22	538	0.041	See total
Naphthalene	2/10	0.13 J	13	385	0.034	See total
Phenanthrene	9/10	0.82	82	596	0.138	See total
Benzo(a)anthracene	4/10	1.12	112	841	0.133	See total
Benzo(a)pyrene	2/10	0.69	69	965	0.072	See total
Benzo(b)fluoranthene	2/10	0.21	21	979	0.021	See total
Benzo(k)fluoranthene	0/10	0.1 U	5	981	0.005	See total
Benzo(g,h,i)perylene	2/10	0.34	34	1,095	0.031	See total
Chrysene	8/10	1.47	147	844	0.174	See total
Dibenz(a,h)anthracene	0/10	0.1 U	5	1,123	0.004	See total
Indeno(1,2,3-cd)pyrene	0/10	0.1 U	5	1,115	0.004	See total
Pyrene	9/10	1.7	170	697	0.243	See total
Σ $ESBTU_{FCV, TOT}$					**1.164**	**YES**

$ESBTU_{FCVi}$ = Equilibrium partitioning sediment benchmark toxic unit final chronic value = Maximum Conc. @ 1% Organic Carbon ÷ Final Chronic Value OC. See Section 6.2.4 for detailed discussion of PAH ΣTU.

Besides the narcosis mode of action, multiple contaminant mixtures may include metals, pesticides or PCBs that exhibit different toxic modes of action and these should be briefly discussed in Step 3a when there may be multiple contaminant effects.

3.1.7 Exposure Considerations

In addition to the above discussions on refinement of COPC, exposure evaluations may assist in determining if a chemical may pose a threat to receptors. If there is supportable rationale that receptors are unlikely to be exposed to risk-related concentrations of a

COPC due to physical inaccessibility, extremely unfavorable habitat conditions where the COPC occurs, or some similar exposure consideration, then a COPC could potentially be screened out based on this rationale. If less conservative assumptions are used due to lack of sensitive habitat or receptors, justification should be provided, such as a habitat survey conducted by a trained biologist.

3.1.8 COPC Refinement Table

COPC refinement provides the risk manager with additional information about the magnitude and distribution of chemicals on site and the likelihood of adverse effects to receptors. This is accomplished by providing a COPC refinement table for each affected media. An example refinement table is included below. In addition to providing a summary of the information included in the screening-level risk characterization table (such as the frequency of detection, range of detections, location of maximum detection, and frequency of exceeding ESV), the refinement of COPCs table should include the mean concentration, background screening value, refinement screening value, refinement screening value source, refinement HQ, frequency of exceeding the RSV, frequency of exceeding the BSV, and COPC category.

Chemicals that were previously screened out in the SLERA are not included in the refinement table. The following discussion briefly describes the content in each column of the refinement table.

Background Screening Value (BSV). This column should present the site-specific reference values, or background values, that are being used for the ERA.

Frequency Exceeding BSV. This column should indicate the number of sample locations whose concentration exceeds the reference concentration (background screening concentrations).

Refinement Screening Value (RSV). This column should indicate the single refinement screening value agreed to by the risk manager, the Region 4 SSS and the trustees involved in the risk management decisions for the site.

RSV Source. This column will most likely be for footnotes that will be included in detail at the bottom of each table to detail the source for each RSV included in the table.

Example Table Depicting Refinement Of Chemicals Of Potential Concern In Soil											
CHEMICAL	**Freq. of Detection**	**Maximum Detected Conc.**	**Background Screening Value (BSV)**	**Freq. Exceeding BSV**	**Refinement Screening Value (RSV)**	**Refinement Screening Value Source**	**Freq. Exceeding RSV**	**Refinement Hazard Quotient (HQ)**	**95% UCL Conc.**	**95% UCL HQ**	**COPC (Y/N) Basis**
Volatile Organic Compounds, µg/kg											
1,2-Dichlorobenzene	2/10	100	NA	NA	920	Mammals	0/10	0.1	60	0.065	No/B
Tetrachloroethene	10/10	210	NA	NA	180	Mammals	3/10	1.2	135	0.75	No/A
Semi-volatile Organic Compounds, µg/kg											
Pentachlorobenzene	2/10	2,200	NA	NA	NA	NA	1/10	0.2	130	NA	Yes/Bioaccu.
Polycyclic Aromatic Hydrocarbons (PAHs) Low Molecular Weight Polycyclic Aromatic Hydrocarbons (LMW-PAHs), µg/kg											
Acenaphthene	2/10	41	NA	NA	See total	NA	NA	NA	40	NA	See total
Fluorene	2/10	47	NA	NA	See total	NA	NA	NA	45	NA	See total
Phenanthrene	3/10	36	NA	NA	See total	NA	NA	NA	30	NA	See total
Naphthalene	1/10	40	NA	NA	See total	NA	NA	NA	39	NA	See total
Total LMW-PAHs	4/10	164	NA	NA	29,000	R4 inverts	0/10	0.006	140	0.005	No/A
High Molecular Weight Polycyclic Aromatic Hydrocarbons (HMW-PAHs), µg/kg											
Benzo(a)anthracene	4/10	46	NA	NA	See total	NA	NA	NA	44	NA	See total
Benzo(a)pyrene	2/10	78	NA	NA	See total	NA	NA	NA	78	NA	See total
Benzo(b)fluoranthene	2/10	139	NA	NA	See total	NA	NA	NA	120	NA	See total
Chrysene	1/10	70	NA	NA	See total	NA	NA	NA	69	NA	See total
Dibenz(a,h)anthracene	1/10	135	NA	NA	See total	NA	NA	NA	125	NA	See total
Indeno(1,2,3-cd)pyrene	5/10	280	NA	NA	See total	NA	NA	NA	227	NA	See total
Pyrene	3/10	25	NA	NA	See total	NA	NA	NA	21	NA	See total
Total HMW-PAHs	5/10	773	NA	NA	1,100	R4	0/10	0.7	674	0.6	No/A

Example Table Depicting Refinement Of Chemicals Of Potential Concern In Soil											
CHEMICAL	**Freq. of Detection**	**Maximum Detected Conc.**	**Background Screening Value (BSV)**	**Freq. Exceeding BSV**	**Refinement Screening Value (RSV)**	**Refinement Screening Value Source**	**Freq. Exceeding RSV**	**Refinement Hazard Quotient (HQ)**	**95% UCL Conc.**	**95% UCL HQ**	**COPC (Y/N) Basis**
Pesticides, µg/kg											
4,4'-DDD	7/10	25	NA	NA	NA	NA	NA	NA	16	D	Yes/C
4,4'-DDE	6/10	49	NA	NA	NA	NA	NA	NA	25	D	Yes/C
4,4'-DDT	6/10	110	NA	NA	NA	NA	NA	NA	94	D	Yes/C
Total DDT	7/10	184	NA	NA	NA	NA	NA	NA	135	6.4	Yes/C
Heptachlor	1/10	140	NA	NA	NA	NA	NA	NA	67	NA	Yes/Bioaccu
Inorganic Compounds, mg/kg											
Copper	9/10	66	13	1/10	NA	NA	NA	NA	11.4	0.4	No/E
Manganese	10/10	1,020	1,579	0/10	NA	NA	NA	NA	275	1.4	No/F
Sodium	3/10	2,550	634	2/10	NA	NA	NA	NA	1,670	NA	No/G
Vanadium	10/10	81.3	59	3/10	NA	NA	NA	NA	38.1	4.9	Yes/H

Footnotes:
COPC = Chemical of Potential Concern (yes/no)
A = Chemical was infrequently detected above RSV and 95% UCL HQ is less than 1.
B = Chemical was not detected or infrequently detected and refinement HQ is less than 1.
C = Chemical was frequently detected and 95% UCL HQ was greater than 1.
D = Chemical is a member of a class of compounds. The total concentration is screened against the RSV for the total compound in that class.
E = 95% UCL hazard quotient was less than 1 and concentration was less than background screening value.
F = Chemical was detected below background screening value.
G = Chemical is an essential nutrient.
H = Chemical was frequently detected above background and mean hazard quotient was greater than 1.

Frequency Exceeding RSV. This column should indicate the number of sample locations that exceeded the RSV. These locations should be clearly identified and presented in a figure(s) that are included with the report.

Refinement HQ. This column should indicate the refinement HQ (maximum concentration / RSV).

95% UCL Concentration. This column should indicate the 95% UCL on the arithmetic mean concentration of each screening COPC.

95% UCL HQ. This column should indicate the 95% UCL concentration divided by the RSV from Step 3a.

Refinement COPC Category. This column should indicate which category each chemical falls into based on the example description found at the bottom of the COPC Refinement table.

Upon completion of the refinement table, the final list of Step 3a COPCs should be identified. The table and supporting text should give the risk managers a clearer picture of the chemicals and exposure pathways that require additional investigation or those chemicals and pathways that do not warrant further investigation. Any chemicals detected above the RSVs that screened out because they were below BSVs should be mentioned. In addition, figures should be presented in the Baseline Problem Formulation showing areas of concern so that risk managers will have a better idea of the spatial area of contaminated medium potentially causing adverse effects.

3.1.9 Uncertainties in the Refinement Screening Process

Multiple aspects of uncertainty may occur in Step 3a. These can include what is unknown about non-detected chemicals, adequacy of site characterization, chemicals lacking screening values, extent of exposure to the site by ecological receptors (e.g., multiple exposure units based on habitat types), presence of sensitive ecological receptors, and data quality issues.

Any data gaps that will be important to decide whether the site poses unacceptable risk or to refine preliminary remedial goals should be identified. Some sites, in early investigation phases, may not be characterized sufficiently to delineate the extent of

contamination or may lack basic information that precludes reaching a decision about certain exposure pathways or COPCs. These types of uncertainties should also be documented.

3.1.10 Step 3a – Scientific/Management Decision Point

An SMDP meeting between the risk managers, risk assessors and stakeholders is needed to discuss the outcome of the Step 3a process for finalizing which contaminants and likely exposure pathways will be carried forward into Step 3b. A summary of the refinement screening process for the site should be presented that includes the refinement screening table.

Some judgments will be required for chemicals, slightly over background, having low hazard quotients or detected in limited areas of the site. It is important that a weight of evidence approach is used based on multiple lines of evidence and that the basis for decisions is documented along with any major sources of uncertainty. A summary table that presents the multiple lines of evidence for each chemical in each environmental medium is desired. Figures of maps showing the distribution of the concentrations of COPCs are recommended to present the data.

The possible decisions to be made by risk managers at the end of Step 3a are:

- There is adequate information to conclude that ecological risks are negligible;
- The available information is not adequate to conclude that ecological risks are negligible; or
- The available information indicates a potential for adverse ecological effects.

If the SMDP team decides that ecological risk is negligible, the site can exit the process at Step 3a. Typically this occurs when all chemicals screen out, when a habitat survey indicates that the site does not provide habitat to ecological receptors, or when it is concluded that there are no completed exposure pathways at the site. Sites that do not exit the process at Step 3a can combine the Step 3a SMDP with the SMDP for Step 3b in Section 3.2.5.

3.2 Baseline Problem Formulation Step 3b – Planning and Scoping of the Risk Assessment

Sites reaching this point in the ERA process are here because critical information was

lacking to decide whether the site posed unacceptable ecological risk or because the site potentially posed unacceptable ecological risk and requires a BERA to further evaluate the potential for ecological risk and/or develop PRGs.

Step 3b is an important part of the planning process for the BERA. At this point, the PRGs for COPCs are the RSVs. In cases where Step 3a evaluations included food-chain modeling, the PRGs derived used conservative assumptions for contaminant bioavailability, conservative toxicity reference values, and assumed 100% site use.

A limited amount of site-specific information is typically available at this stage of the assessment. The planning process of data collection that occurs during Step 3b is primarily focused on necessary steps to refine the PRGs. The Baseline Problem Formulation summarizes what is known about the exposure profile and potential effects of COPCs. Thus, the Step 3b effort compiles and presents information in a manner that helps frame the risk evaluation in Step 4 and reduce the number of exposure pathways that need to be evaluated for each chemical. The sections below summarize the information that should be presented to help risk managers make these decisions.

3.2.1 Known Ecological Effects of COPCs

A narrative description of the known ecological effects for the main chemical groups of COPCs, and those specific COPCs that are expected to be major risk drivers, should be presented. The descriptions can be relatively concise at this point in the problem formulation stage. Details of specific toxicity endpoints and/or toxicological reference values for the COPCs will be developed in Section 4.1.

3.2.2 Contaminant Fate and Transport, Ecosystems Potentially at Risk, and Complete Exposure Pathways

Contaminant Fate and Transport. This section of the report should summarize the primary ways that site chemicals can be transported or transformed in the environment physically, chemically, and biologically. This information is used to identify the exposure pathways that might lead to significant ecological effects. Although most of this information was presented in the SLERA; there may be a need for additional evaluation of certain chemical fate and transport mechanisms based on the list of the final COPCs for a site. For example, site-specific information on potential bioavailability of COPCs would be helpful if it is available. The discussion in this section would build on the chemical fate and transport mechanisms identified during the SLERA and the known

ecological effects identified for each COPC. This effort may involve compiling additional information on:

- The potential bioavailability of the COPCs to various ecological receptors;
- The habitat types and potential receptors along the exposure pathways; and
- The magnitude and extent of contamination, including its spatial and temporal variability relative to the receptors potentially exposed.

Ecosystems Potentially at Risk. It is important for the risk assessor to identify the ecosystems (or habitats) potentially at risk based on the information provided in the site ecological checklist completed during the SLERA. Additional site setting information is not typically necessary to complete this portion of baseline problem formulation; however, all ecosystems should be identified in this section of the report. After each ecosystem has been identified, they can typically be focused during this stage of the risk assessment based on the known ecological effects of the COPCs. The refinement conducted during this stage of the process involves attempting to identify the habitats that are at greatest risk of exposure based on the chemical fate and transport mechanisms present at a site. This may involve identifying species that are highly sensitive to particular COPCs or species that have greater potential for exposure based on the habitats they utilize. In addition, there may be areas with minimal habitat quality or wildlife usage such as drainage ditches, lawns and maintained fields that should be discussed.

Complete Exposure Pathways. While the SLERA should have presented every complete and potentially complete exposure pathway present, they should be refined by this point in the Baseline Problem Formulation process. This may result in adding exposure pathways identified through additional information gathered at the site, but the primary goal of this section is to focus any remaining investigation on the exposure pathways present at the site where the greatest potential for unacceptable risks is present. It should be noted that this exercise may not focus solely on areas of ideal habitat, but rather in areas where exposure to COPCs is likely. At many sites this includes areas that may not be considered adequate habitat to support a community of ecological receptors (i.e. drainage ditches, maintained grassy areas); however, the potential for exposure is present in these areas and justification with documentation should be provided to support a conclusion of minimal ecological exposure in these habitat types, especially when exposure occurs via trophic transfer through the food chain.

3.2.3 Assessment Endpoints

As defined in national EPA guidance (EPA, 1997), an assessment endpoint is "an explicit expression of the environmental value that is to be protected." Since it is not practical to directly evaluate all the individual components of an ecosystem, assessment endpoints should focus the BERA on the components of the ecosystem that could most likely be adversely affected by the COPCs at a site. The assessment endpoint is an expression of an ecological entity and the value of that entity to be protected. Assessment endpoints are site-specific and will depend on the habitats present.

The process of selecting assessment endpoints for a site should be based on the following information as previously evaluated above:

- Refined list of COPCs for the site;
- Toxic mechanisms of the COPCs;
- Relevant receptor groups that are potentially sensitive and/or highly exposed to the COPCs; and
- Complete exposure pathways present at the site.

Input from applicable trustees/stakeholders for a site is crucial during the development of the assessment endpoints to help ensure that the risk managers have all the potentially pertinent information available for making risk management decisions.

3.2.4 Conceptual Model and Risk Questions

In addition to providing the final list of refined COPCs, Step 3b of the ERA includes a refinement of the screening-level CSM. This refinement of the CSM typically relies on a literature search on known ecological effects, a description of chemical fate and transport, and refinement of the complete and potentially complete exposure pathways identified in Step 2.

The refinement to the CSM is the most important outcome of Step 3. The CSM is a tool or concept that describes the relationships between target populations and exposure routes/areas in such a manner as to facilitate predictions about nature, extent, risk, and risk reduction strategies. An accurate CSM will delineate populations of chemicals, receptors, exposure pathways, sources, and bioavailability, for which the decisions or outcomes will differ across the site. The CSM is a simplified construct of complexities at the site to aid in correct decision making.

Scope, boundaries, and scale are important considerations in the CSM. The scope and boundaries of the CSM should reflect the scope and boundaries of the decision. Target populations and boundaries are explained in the EPA's Guidance on Systematic Planning Using the Data Quality Objectives Process. In addition to the exposure pathways and chemical populations of interest, the CSM should present the geographic scales of risk management decisions and time frames for critical exposures, if applicable. The spatial pattern of contaminant distribution provides evidence of how the chemical may be related to chemical releases, migration pathways, or degradation. Distribution may also indicate which exposure pathways will require additional evaluation.

The risk evaluation can only support correct decisions at appropriate spatial scales. The EPA prefers to target cleanup decisions to source areas and to specific migration pathways. The subdivision of a larger site into operable units, solid waste management units, or exposure units should support decisions targeted to specific sources or pathways.

The CSM may be simplified to focus on the most important chemicals. A smaller set of signature chemicals may be identified that appear to explain the behavior of many site-related chemicals and the majority of the risk. This does not mean that other COPCs would not be evaluated further. Their uncertainty might be addressed by an alternate method rather than designing a field study specifically for minor risk-contributing chemicals. Often a field study targeted toward one chemical will gather information that can serve to assess several other chemicals, because chemicals often co-occur in site media.

The risk questions included in baseline problem formulation should be linked to risk management objectives. The purpose of the risk questions is to outline the basis of the study design (Step 4) and the methods to be used to evaluate the results of any site-specific investigations that may be recommended for the site. Risk questions should be based on the relationship of the assessment endpoints and the predicted response when exposed to the chemicals present at a site. It is helpful if a single chemical or class of chemicals can be identified in the risk questions; however, at some Superfund sites this is not possible. The risk questions asked should lead toward developing a range of measurement endpoints for each assessment endpoint. This is typically done by including a comparison in the risk question of site conditions to (1) concentrations of a chemical that, based on literature searches are known to be toxic to receptors associated with the assessment endpoint; and/or (2) comparing areas of contamination with

reference sites.

3.2.5 Scientific/Management Decision Point

The conclusion of Step 3b of the BERA has a SMDP that consists of agreement on:

- The COPCs;
- Habitats and environmental media of potential concern;
- Receptors of concern;
- Exposure pathways;
- Assessment endpoints; and
- Risk questions.

Each of these components should be summarized in the refined CSM and on other figures or charts. Agreement by risk assessors and risk managers on these key aspects of the CSM will facilitate development of the site study design (Step 4).

4.0 Study Design

The study design (Step 4 of the ERA) is part of the DQO process. Therefore, many of the same components of the DQO process apply in this step. Details of the DQO process are found in the EPA's Guidance on Systematic Planning Using the Data Quality Objectives Process.

4.1 Establishing Measurement Endpoints

At the end of Step 3 of the ERA process, the assessment endpoints as described in Section 3.2.3 have been selected for a site. A measurement endpoint is defined as a measurable characteristic related to the value to be protected of the entity described by the assessment endpoint. Measurement endpoints can include measurements of exposure and effects. For example, concentrations in sediment samples as well as measures of effects (direct toxicity testing to benthic organisms) provide ways to evaluate potential risks. Measurement endpoints are site-specific and reflect the ecological functions provided by the habitats in question. The relationship of the measurement endpoints to the assessment endpoint should be clearly presented.

Following assessment and measurement endpoint selection and development of the CSM and risk questions, a study plan is designed to ensure that adequate data are collected to support the ecological component of the BERA. There are a limited number of fundamental approaches for conducting site specific investigations on ecological impacts of hazardous substances. Further soil/water/sediment sampling, tissue residue studies, toxicity testing, and population or community evaluations are the four methodologies most commonly used. The appropriate methodology will depend on the assessment and measurement endpoints selected in the previous steps.

Food-chain models and toxicity reference values. Measurement endpoints involving prediction of the risk to wildlife receptors typically rely on food-chain models of the daily intake of chemicals in dietary items consumed by wildlife for estimation of a daily dose. When planning to use food-chain models in the BERA, the EPA Region 4 requests that Step 4 provide tables including all of the assumptions that will be made for the food-chain model calculations. These assumptions include items such as the intake rates and body weights of model receptors and the toxicity reference values that will be used to characterize the risk. It is recommended that the EPA Region 4 risk assessment web site

be consulted for exposure assumption and TRVs. This link has values that can be used in most food chain models.

If studies other than the recommended values are used or there are no recommended values on the EPA website, then a justification should be provided that contains a review of the pertinent toxicity information for the chemical. This should include 1) a summary of potential effects from chemicals when present in aquatic and terrestrial environments, and 2) a summary of the NOAEL and LOAEL chosen for each chemical as reported in the literature. These data should also present the literature citation and a brief description of the study conducted so that an evaluation can be made as to how applicable the study results are to hazardous waste sites. The description should include the setting of the study (laboratory or field), length of exposure, type of exposure, effects measured, the date of the study, and the results of the study.

If receptors other than the ones provided on the EPA table of recommended exposure assumptions are used, the baseline problem formulation report should include a section describing the characteristics of the receptors and how the parameters were obtained. Alternate TRVs may be used; however the preference is to use EPA Region 4 values when they are available. If the EPA Region 4 values are used, then the original citations and the information requested above is not necessary to include.

Toxicity tests. Toxicity testing is most commonly employed to determine potential risk via direct contact with contaminated surface water, soil or sediment. Toxicity testing must be carefully designed to ensure that the proper test species are used for the environmental medium being evaluated. For example, a benthic macroinvertebrate such as *Hyalella* should be used as a test subject in freshwater sediment toxicity tests rather than free-swimming organisms such as *Ceriodaphnia*.

Community assessments. Community or population evaluations involve floral or faunal field surveys and the computation of species diversity and richness indices as measurement endpoints. These types of studies should be used with caution in a BERA because the various diversity and richness indices were not developed to measure ecological impacts of hazardous materials in the environment. Natural variability in population and community structure (e.g., spatial and seasonal effects), lack of sensitivity of some species to certain chemicals and impacts to population/community structure from non-chemical stressors make the interpretation of these studies difficult in the context of

distinguishing between these effects and those from hazardous substances. Therefore, comparison of biological community metrics between the site and reference areas should not be considered a primary or robust line of evidence with a high degree of confidence.

When using community metrics in a BERA, the experimental design and statistical analysis methods should be well documented so as to evaluate whether conclusions based on community surveys can be supported. In addition, presentation of survey results should also be accompanied by a detailed uncertainty discussion.

Other considerations. If there are multiple habitats at the site the Study Design should discuss the data groupings and the boundaries of the habitat areas. If there are bioaccumulative chemicals among the COPCs, the summary of available data should include any biological tissue data available for estimating site-specific bioaccumulation. The pairing of tissue data with abiotic data for estimation of bioaccumulation factors (BAFs) can also be discussed.

For complex sites, the work plan should present the manner in which the BAFs are derived from the site-specific tissue data collection prior to the initiation of the risk assessment.

4.2 Scientific/Management Decision Point

At the end of Step 4, the ecological risk assessor and the ecological risk manager should come to agreement on the contents of the Work Plan and the Sampling Analysis Plan (SAP). The Step 4 SMDP should summarize the existing categories of data available to support the BERA. The SMDP should summarize what is known about the site, the CSM, available data, the need to collect site-specific information to refine risk assessment assumptions and to close data gaps.

Specifically, this SMDP should result in agreement between the ecological risk assessor and the risk manager on the following:

- Site measurement endpoints selected as lines of evidence to evaluate the assessment endpoints;
- Exposure assumptions and toxicity reference values;
- Field investigations, specific DQOs, and laboratory methods to be conducted; and
- Selection of data reduction and interpretation techniques.

This SMDP is essentially an agreement by the project team on the elements of the BERA and the parameter assumptions in the equations that will be used to estimate the risk.

5.0 Additional Steps in the Ecological Risk Assessment Process

Following Step 4 (study design), there are four more steps to complete the ERA process. These steps are described in detail in ERAGS and are described briefly here for reference, although no specific EPA Region 4 guidance is offered on these steps.

Step 5 – Field Verification of Sampling Plan. This is an optional step to visit the site prior to a field sampling event to verify the feasibility of the sampling plan. Step 5 is recommended for sites where complex field studies are planned. Complex sites that require a field visit to select reference stations or to conduct field reconnaissance to determine what species of biota are available to collect may require another step to finalize the work plan. Sites that skip the field verification step do not require a Step 5 SMDP.

Step 6 – Site Investigation and Analysis Phase. Step 6 is straightforward in that in involves implementation of the site investigation and study design according to plans. Ecological exposures and effects are evaluated based on the information gathered in the previous steps including any site-specific information obtained during the site investigation.

A data summary report can be prepared to present the results. Sites with complex data may require an intermediate step to evaluate laboratory data before the data can be incorporated into the BERA. Many sites provide a RI report to present the data and its interpretation. It is possible, in the case of extensive ecological investigations that data with interpretations for the BERA may need to be prepared as separate reports. For example, benthic community analyses interpretations, toxicity testing data may need to be fit to dose-response models to estimate PRGs for the BERA, and development of BAFs from biological tissue data should be provided as appendices in support of the BERA.

Step 7 – Risk Characterization. As explained in ERAGS, Step 7 is the final step in the ERA process. It includes risk estimation and risk description. The risk characterization phase should use a multiple lines of evidence approach that considers:

- Strength of association between the assessment and measurement endpoints;

- Study Design; and
- Data Quality.

This Step should also foster a systematic and balanced consideration of the strengths and weaknesses of the lines of evidence. The ERA should conclude with a statement of whether there was a risk or not to the receptors for each exposure pathway evaluated. In addition, information should be presented on the nature and likelihood of risk. The uncertainty analysis, a critical element in this step, should clarify what is known and unknown about the risks for the benefit of risk managers.

Remedial Action Objectives (RAOs) and PRGs. The process to develop RAOs begins in the early stages of the remedial investigation and is completed in the feasibility study (EPA 2005). The RAOs should specify:

- the contaminants of concern,
- exposure routes and receptors, and
- an acceptable contaminant level or range of levels for each exposure medium (i.e., a PRG).

The RAOs are simple statements in the screening ecological risk assessment that include each of the three elements above. During the early stages of the remedial investigation, the acceptable contaminant level or range of levels for each exposure medium (i.e., PRG) is a readily available ESV, RSV or a state standard.

The COPCs, exposure routes, receptors and PRGs are refined in the subsequent risk assessment steps culminating in Step 7 where PRGs are set for those media that pose unacceptable risk. Although PRGs are developed in Step 7 of the BERA, they may be developed under separate cover depending on specific project decisions.

PRGs should be developed in Step 7 of the BERA, although they may be developed under separate cover depending on specific project decisions. PRGs for protection of wildlife are compiled from the food-chain models that should be back calculated to obtain the media concentrations representing a HQ of 1 for the NOAEL and LOAEL toxicity reference values for the chemicals posing unacceptable risk. From Step 6, site-specific toxicity thresholds are compiled for direct toxicity to plants and soil invertebrates (in the case of soils) or toxicity to the benthic macroinvertebrate community (in the case of sediment). These thresholds are assembled into a table for each environmental medium

from which a range of PRGs is selected in the SMDP to inform Step 8, risk management. As more site-specific information is generated during the RI/FS process, the PRGs should be replaced with site-specific remedial goals (in Step 8) that are developed through iterative discussions between the project manager, risk assessor, and other appropriate members of the team.

Step 8 – Risk Management. The risk management decision that includes remedial goals is finalized in the Record of Decision (ROD) for a CERCLA site or in the Statement of Basis for a RCRA site. The user is recommended to consult ERAGS and guidance documents for Superfund risk assessments.

6.0 Ecological Screening Values

ESVs are based on chemical concentrations associated with a low probability of unacceptable risks to ecological receptors. The SSS has developed the attached tables for use at Region 4 hazardous waste sites. Since these numbers are based on conservative endpoints and sensitive ecological effects data, they represent a preliminary screening of site chemical concentrations to determine the need to conduct further investigations at the site. ESVs are not recommended for use as remediation levels.

Preliminary screening values for chemicals which lack Region 4 ESVs can be proposed and submitted to the SSS for approval. If at all possible these ESVs should be based on ecotoxicological information from the scientific literature, computer databases, and other sources. As information is submitted to the SSS for review or as new information becomes available, these Region 4 ESVs may be modified or additional screening values added. Users are encouraged to consult Region 4 ecological risk assessors or the website for further information and updates.

6.1 Surface Water Screening Levels

The surface water screening-level hierarchy for freshwater is as follows:

- National Recommended Surface Water Criteria
- Tier 2 values or equivalent
  - Great Lakes Initiative Tier 2 Values (freshwater)
  - State Surface Water Standards for freshwater
  - Suter and Tsao (1996) Tier 2 Values
- Canadian Water Quality Values
- Minimum value from either the Target Lipid Model or ECOSAR (Ecological Structure Activity Relationships) model.
- Office of Pesticide Programs Aquatic Life Benchmarks.
- Minimum of chronic toxicity observed as recorded in ECOTOX database.

The hierarchy for saltwater values is the same except that the GLI and Suter and Tsao values are not used for saltwater and instead state surface water standards for marine water are used. The following sections provide details for the screening values derived for each hierarchy level.

6.1.1 Water Quality Criteria and Great Lakes Initiative Tier 2 Values

The surface water screening-level hierarchy for freshwater and saltwater starts with the Current Recommended National Water Quality Criteria (NWQC). For the NWQC, The chronic ambient water quality criteria value for the protection of aquatic life, (i.e., the Criterion 2 Continuous Concentration [CCC]), is used as the screening value for surface water. The Criteria Maximum Concentration (CMC) is an estimate of the highest concentration of a chemical in surface water averaged over a one-hour period to which an aquatic community can be exposed briefly without resulting in an unacceptable effect (Stephen et al., 1985). The CCC is an estimate of the highest concentration of a chemical in surface water to which an aquatic community can be exposed indefinitely without resulting in an unacceptable effect. Aquatic organisms can safely be exposed to concentrations between the CMC (acute) and CCC (chronic) screening values as long as the 4-day average concentration is below the chronic surface water screening value.

In some cases, dissolved (filtered samples) have been collected to assess exposures particularly for metals. In these cases, the dissolved concentrations may also be used in the screening process (see also Table 1b for certain metals).

The Great Lakes Initiative (GLI) Clearinghouse database was used when a nationally recommended water quality criterion was unavailable. For many chemicals in the GLI database, there are several Tier 2 value from the Great Lakes states. In general, the most conservative and/or most recent value was selected as the ESV.

6.1.2 State Surface Water Standards, Other Tier 2 Values and Canadian Water Quality Guidelines

Each state has developed water quality standards or criteria that may be lower than those in Table 1a which show the National Recommended Water Quality Criteria as the first tier in the hierarchy for generality. However, if a state standard for a particular state in Region 4 is available, it becomes the first tier and should be used as the ESV.

For those chemicals in Table 1a that did not have a GLI value, then other state standards were used, especially for marine ESVs. If a chemical had more than one standard, then the most conservative state standard was selected as the ESV.

The surface water Tier 2 freshwater benchmarks in Suter and Tsao (1996) were then used in the hierarchy followed by the Canadian water quality guidelines.

6.1.3 Surface Water Toxicity Modelled by Structure Activity Relationships

The EPA's Ecological Structure Activity Relationships (ECOSAR) Predictive Model was used to estimate aquatic toxicity for organic compounds, Canadian Water Quality Guidelines and state standards. The ECOSAR model predicts acute and chronic toxicity for freshwater fish, daphnids, green algae, saltwater fish, and mysids for over 70 classes of chemicals including nonpolar organic compounds. The ECOSAR model is updated annually with new data. The minimum chronic value among the available classes of organisms was used as the screening value. An acute to chronic ratio of 8.3 (Raimondo et al. 2007) was used to convert acute toxicity to chronic toxicity for fish, daphnids, and mysids when no chronic toxicity data was available. For algae the acute to chronic toxicity ratio was assumed to be 4 after the recommendations in the ECOSAR help files.

6.1.4 Surface Water Toxicity Data in EPA Knowledgebase

Available surface water toxicity data for the five ECOSAR classes of organisms was retrieved from the EPA's ECOTOXicology knowledgebase (ECOTOX) to check model predictions. When models were unavailable for a certain compound or the compound had an octanol water partition coefficient greater than the range of values used to calibrate the model, the minimum chronic toxicity among the classes of organisms evaluated by ECOSAR was used in replace of a modelled value.

6.1.5 Other Considerations for Surface Water Screening

Screening values such as the ambient surface water quality criteria are intended to protect 95% of the species, 95% of the time. If there is reason to believe that a more sensitive species is present at the site, such that surface water chemical concentrations below the chronic ambient water quality values may pose unacceptable risks, more protective site-specific surface water screening values may be developed.

The surface water screening values listed in Table 1a assume a hardness of 50 milligrams per liter (mg/L) as calcium carbonate ($CaCO_3$) for those metals whose freshwater criteria depend on hardness, such as cadmium, chromium III, copper, lead, nickel, silver, and zinc. Table 1a includes supporting Tables 1b and 1c. Table 1b provides the conversion factors (CFs) and hardness-dependent equations. The CFs are used to calculate surface water criteria for dissolved metals and can be used to convert criteria for dissolved metals into total metals criteria. CFs were applied to freshwater and saltwater National recommended criteria, which apply to dissolved metals, to obtain the screening values in Table 1a for total metals. Hardness-specific freshwater screening values (for total

metals) are provided in Table 1c for hardness concentrations of 25, 50, 100, and 200 mg/L as $CaCO_3$. A recent change to the national recommended water quality criteria no longer requires that if the site-specific surface water hardness is less than 25 mg/L $CaCO_3$ that one should fix the hardness at 25 mg/L as $CaCO_3$. Therefore, where site-specific hardness information is available, surface water ESVs for hardness-dependent metals should be adjusted accordingly.

Typically, copper is screened against the federal or state standard. The Biotic Ligand Model (BLM) for copper can be used to fine tune the ESV provided site-specific data is sufficient to run the BLM to estimate a chronic value. This can be done in the SLERA or as a part of the refinement screen in Step 3a.

6.1.6 Equilibrium Partitioning and Target Lipid Modeling to Derive Surface Water ESVs

For organic chemicals that do not have any available water quality benchmarks (WQBs), the surface water ESV can be calculated using two methods:

1) The combined equilibrium partitioning and target lipid model (TLM) approach. The TLM developed by Di Toro, et al. (2000) and Di Toro and McGrath (2000) is used and is applied to both freshwater and saltwater ESVs for nonpolar organic chemicals with narcotic toxicity.
2) The ECOSAR model within the EPA's Estimation Program Interface (EPI) suite. ECOSAR predicts acute and chronic effect concentrations to several organisms (e.g., fish, daphnids, algae) and the lowest predicted chronic value is selected as the ESV. ECOSAR is different from the TLM in that it has algorithms for various classes of chemicals and thus can be more versatile. However, the ECOSAR values are for typical species and do not account for sensitive species.

Since both models predict chronic and acute effects, the most conservative or lowest predicted effect from the two models was used as the ESV.

For many nonpolar organic compounds, the octanol-water partition coefficient (Kow) is a useful surrogate of how nonpolar organic compounds will accumulate in lipids of animal tissue. The Kow is the ratio that describes the partitioning of a compound between water and octanol. Kows are available for many common organic compounds although values may be somewhat different between reference sources. The Kows used in this document

were obtained from the EPI Suite program. The TLM is used for nonionic (neutral) organic compounds and is based on the assumption that the aqueous concentration for an acute toxic endpoint can be predicted from the critical target lipid body burden (CTLBB) in an organism. The CTLBB is the chemical concentration in the organism lipid needed to cause 50% mortality. The following TLM equation from Di Toro et al. (2000); McGrath and Di Toro (2009); Redman et al. (2014) predicts the critical acute aqueous concentration:

$$\log C_w^* acute = m \times logK_{OW} + logC_L^* + \sum logA\, C_{L,j} - k_z\sqrt{V_{slope} \times (log\ K_{OW})^2 + V_{\log CTLBB}} - \log(2)$$

Where: C^*_W = Critical aqueous concentration (millimoles per liter [mmol/L])

K_{OW} = Octanol-water partitioning coefficient (liters per kilogram [L/kg])

C^*_L = Critical target lipid body burden (micromoles per gram [µmol/g] octanol)

m = universal slope (-0.936) for chemicals other than PAHs (McGrath and Di Toro 2009). Slope *m* of -0.945 should be used for non-halogenated PAHs (Di Torro et. al., 2000).

log Δc_L = chemical class correction factors (mmol/kg-lipid) from McGrath and Di Toro (2009):

- alkanes, alcohols, aliphatics, ethers and ketones – 0
- halogenated chemicals – -0.339
- non-halogenated PAHs – -0.352
- halogenated PAHs – -0.691
- monoaromatic hydrocarbons – -0.109.

kz = Statistical parameter for estimating lower confidence limit of model prediction = 2.3,

Vslope = Variance in the slope = 0.000225

V log CTLBB = Variance in the critical lipid body burden = 0.112 (McGrath and Di Toro 2009).

Consistent with the derivation of the methodology for deriving the criterion maximum concentration (EPA 1985), the estimated final acute value is divided by a factor of 2.

For chronic toxicity of non-PAHs, the TLM uses an acute to chronic ratio (ACR) methodology which simply is the acute effect concentration divided by the chronic effect concentration. The chronic effect concentrations are those that cause an adverse effect on

long-term endpoints such as growth and reproduction. Therefore, the equation for chronic effects is similar to Equation 1:

$$\log C_w^* chronic = m \times logK_{OW} - \log(ACR) + logC_L^* + \sum log\Delta C_{L,j} - k_z\sqrt{V_{slope} \times (log\ K_{OW})^2 + V_{\log ACR} + V_{\log CTLBB}}$$

The ACR for nonpolar organic chemicals was determined to be 3.83 (McGrath and Di Toro [2009] and Redman et al [2014]) based on the geometric mean of 29 paired data sets for aliphatic hydrocarbons. The variance on the ACR estimated by McGrath and Di Toro (2009) was 0.105. To convert the critical aqueous concentration (mmol/L) to mg/L one has to take the antilog of the equation answer and multiply by the molecular weight.

The following represents an example calculation for a chronic value for 1,2,4,5-tetrachlorobenzene:

$$\log(C^*w\ chronic) = -0.936 \times 4.571 + \log(119/3.83) - \Sigma(0.339+0.109) - 2.3 \times \sqrt{(0.000225 \times 4.571^2 + 0.105 + 0.112)}$$
$$= -4.278 + 1.492 - 0.448 - (2.3 \times 0.471)$$
$$= -4.317$$

Taking the antilog of –4.317 and multiplying by the molecular weight of 1,2,4,5-tetrachlorobenzene (215.89 g/mol) yields 0.0104 mg/L as the chronic WQB. This value is higher than the ESV (0.0083 mg/L) listed in Table 1a that is based on a GLI value.

The above example applies to non-polar organic compounds that are not PAHs. The TLM equation from EPA (2003) was used to estimate the surface water toxicity for PAHs and PAH-like compounds. The GLI methodology requires several studies of chronic toxicity for the same chemical, without which a conservative default ACR is mandated. The TLM, on the other hand, uses an average ACR for all narcotic chemicals. Differences in Kow values used in the equations also contribute to variability in the calculations.

The textbox provides the equations for estimating TLM acute and chronic surface water benchmarks for PAHs.

As described in Section 3.1.6, when assessing potential toxicity to aquatic organisms from mixtures of chemicals with a similar mode of action, the ΣTU approach should be used.

To generate screening values that are not on Table 1a, the ECOSAR model may be used. ECOSAR uses chemical class-specific algorithms to estimate toxicity to representative freshwater and saltwater species from the Kow. The lowest predicted ECOSAR chronic value among the species is selected as the ESV. For acute values, the lowest ECOSAR predicted acute concentration from the species is selected and then divided by 2. As previously noted, the values from ECOSAR are for typical species and do not account for sensitive species. Also, caution that ECOSAR should not be used for chemicals that are not a member of a chemical class for which an ECOSAR model was developed.

Equations for Estimating Target Lipid Model Surface Water Benchmarks for PAHs

Acute

$$log(C^*_{w,acute}) = m \times log(K_{OW}) + log(C^*_{L,5\%}) + log(\Delta C_{l,PAH}) - \log(2)$$

Chronic

$$log(C^*_{w,chronic}) = m \times log(K_{OW}) + log(C^*_{L,5\%}) - \log(ACR) + log(\Delta C_{l,PAH})$$

Where,

$C^*_{w,\ acute}$ = Acute screening value in mmol/L for PAHs

$C^*_{w,\ chronic}$ = Chronic screening value in mmol/L for PAHs

$\Delta C_{L,PAH}$ =Chemical class correction for PAHs = 0.549

m = Universal slope = -0.945 (Di Toro et al. 2000)

$C^*_{L(5\%)}$ = Critical lipid body burden for PAHs = 16.98[µmol/g]

ACR = Acute to chronic ratio for PAHs = 4.16.

6.2 Sediment Screening Values

Numerous efforts to develop suitable sediment quality benchmarks for classifying sediment as toxic or non-toxic have been published in the scientific literature. In order to best protect aquatic resources, many of the Region 4 sediment ESVs (Tables 2a and 2b) are derived from statistical interpretation of effects databases obtained from the literature, as reported in publications from states such as Florida and Washington, and from other agencies. These benchmarks are generally based on observations of direct toxicity to benthic organisms.

The following represents the Step 2 ESV hierarchy for both freshwater and marine sediments:

- Threshold effect levels (TELs) or threshold effect concentrations (TECs) such as those provided in MacDonald et al., (2003) for other than PAHs;
- Modeled equilibrium partitioning values for organic chemicals from surface water benchmarks;
- Other effect ranges such as effects range-low values and Washington State sediment quality objectives.

Each of the sediment screening tables (Tables 2a, 2b, and 2c) contain different chemicals. Table 2a includes metals, phenols, energetic compounds, and pesticides/herbicides and other polar (ionic) chemicals. The chemicals in Table 2b are predominantly nonpolar chemicals that are considered to have a narcotic mode of toxic action. Table 2c pertains only to PAHs and their narcotic toxicity.

Step 2 sediment data should be screened against the first column in Table 2a. If the chemical is not found on Table 2a, then screen against the first column in Table 2b. The ΣTU from the values in the first column will also be conservative as an added layer of protection for multiple chemicals sharing the same mode of toxic action.

In Step 3a for refinement of sediment screening values, the value in the second column of Table 2a or 2b can be used as the RSV. If there is no RSV, then an ECOSAR derived value for 1% organic carbon (OC) may be derived for Table 2a. A RSV for Table 2b can be derived by using the more conservative WQB from the McGrath and Di Toro (2009) methodology (Equation 2 below) or from ECOSAR. The RSVs could also be used for the ΣTU approach as part of refinement. For sites with many organic chemicals, it is possible that the ΣTU approach in the refinement could be more conservative than the single compound screening in Step 2. The refinement for PAHs would use the ΣTU approach from the values in Table 2c. Specific discussion of the methods used to develop the sediment ESVs and for deriving sediment RSVs are provided in the subsections below.

6.2.1 Sediment ESVs based on Effect Ranges

Sediment ESVs for most of the inorganic chemicals, butyl tins and bulk petroleum hydrocarbons presented in Table 2a are based on a range of effect levels and measured in milligrams per kilogram (mg/kg) dry weight. Several organic chemical ESVs are also listed on a dry weight basis as indicated by the gray shaded cells in Tables 2a and 2b. The effects range-low (ER-L) is the concentration of a chemical in sediment at the low

end of the range at which adverse biological effects on aquatic organisms were observed (Long and Morgan, 1991). The ER-L is the lower 10th percentile in the distribution of biological effects data from matching biological and chemical laboratory data or field surveys. The effects range-median (ER-M) is the approximate midway in the range of concentrations where adverse biological effects were observed. The ER-M is the median of the distribution of effects values. The TEL is the threshold effects level below which adverse biological effects on aquatic organisms are unlikely. It is calculated as the geometric mean of the 15th percentile of the effects data set and the 50th percentile of the no effects data set. If the chemical concentration in sediment is below the TEL adverse effects are expected to occur infrequently. The probable effect level (PEL) represents a second threshold value, above which adverse effects are frequently observed. The PEL is the lower limit of the probable effects range. It is calculated as the geometric mean of the 50th percentile of the effects data set and the 85th percentile of the no effects data set.

When sediment concentrations fall between the TEL and the PEL, adverse biological effects may be possible; but the severity and magnitude of potential effects can be difficult to gauge. A weight of evidence approach is used in cases where the concentrations at the site fall between the TEL and PEL, as described in Section 3. The TEC is a consensus value which identifies COPC concentrations below which harmful effects on sediment-dwelling organisms are unlikely to be observed. The TECs were developed by the Florida Department of Environmental Protection (FDEP) by taking the geometric mean of ER-L and TEL values from various sources (MacDonald et al., 2003). The probable effect concentration (PEC) is a consensus value formed by taking the geometric mean of ER-M and PEL values from various sources. When concentrations of COPCs are between the TEC and the PEC, adverse biological effects on sediment-dwelling organisms are possible. The TEC and PEC values in MacDonald et al. (2003) are nearly identical to the values found in MacDonald et al. (2000). The TEL, TEC, or ER-L is used for screening in the SLERA.

For the Step 2 Screening, the PAH ESVs are based on the sum total of LMW-PAHs and HMW-PAHs from MacDonald (1994) and total PAHs from MacDonald et al. (2003). These ESVs for PAHs (shown in Table 2b) are measured in micrograms per kilogram (µg/kg) dry weight (dw). If PAHs exceed the ESV, then Step 3 refinement will be necessary as discussed in Section 6.2.4.

6.2.2 Sediment ESVs Based on Equilibrium Partitioning

The equilibrium partitioning (EqP) methodology is well-documented in the scientific literature (Di Toro et al., 2000; U.S. EPA, 2003a; U.S. EPA, 2008; McGrath and Di Toro, 2009; Burgess et al., 2013; Redman et al., 2014). The EPA (2002) reported that adverse biological effects from the concentration of nonionic organic contaminants (such as PAHs, PCBs, certain organochlorine and organophosphate insecticides, etc.) in sediment are not correlated with bulk concentration of the contaminants in sediment; however, they can be correlated with the concentration of the contaminant in interstitial pore water. This suggests that the toxicity of many organic chemicals to sediment-dwelling organisms is proportional to their concentration that is dissolved in the interstitial water of the sediment.

The EqP theory is based on the principle that organic contaminants (primarily non-ionic compounds) in sediment will partition between the OC fraction in sediment and the sediment interstitial water in a relatively constant ratio. This ratio can be used to predict the fraction of a contaminant that is freely dissolved in interstitial pore water from the concentration in sediment. The ratio is referred to as the OC partitioning coefficient, or Koc. A chemical may have different Kocs depending on the OC in the sediment and for different types of OC such as humic and fulvic acids, soot or black carbon. In general, the higher the Koc of an organic compound, the stronger the contaminant will adsorb to the OC content in the sediment. When more OC is present in sediment, the concentration of an organic contaminant freely dissolved in the interstitial water will be smaller, and therefore, the sediment contamination will exhibit proportionally less toxicity to aquatic organisms.

The Koc values used in this document were derived from the KOCWIN™ model in the EPA Estimation Program Interface (EPI) suite. In most cases, the KOCWIN™ model estimates Koc two different ways using either an estimate from log Kow or from a molecular connectivity index model. To be conservative, the lower of the two Koc estimates is used to develop the sediment ESV.

An EqP-based sediment ESV for an organic contaminant is derived by multiplying a WQB by its Koc:

$$ESV_{Sed} = WQB \times [Koc \times foc + (\Theta m/pw)]$$

Where: ESV_{Sed} = normalized to 1% organic carbon (µg/kg 1% OC)
WQB = water quality benchmark (µg/L)
Koc = organic carbon partitioning coefficient (L/kg)
foc = fraction of organic carbon (0.01 for 1% OC)
Θm = 0.3 (assumed 30% moisture of sediment by mass)
pw = 0.9982 density of water at 20˚C.

The WQB for this model is obtained from the values in Table 1a. If there were no Table 1a values, then the lowest WQB from the following three models was used:

1. ECOSAR;
2. EPA (2008) model;
3. McGrath and Di Torro (2009);

As mentioned in Section 6.1.4, the ECOSAR program predicts a final chronic value and is used for non-neutral organic chemicals. For neutral organics, either the EPA (2008) sediment benchmark or the McGrath and Di Toro (2009) model was used (Equation 2 in Section 6.1.4).

Since most measurements of organic chemicals are in µg/kg, the modeled values have been converted to µg/kg at 1% OC in Table 2a. In addition, because measurements of total organic carbon (TOC) are typically not available for screening purposes in the SLERA, a default TOC of 1% is used and is reflected in Equation 3 and in Table 2a. Region 4 highly recommends collecting TOC measurements in sediment and soil concurrent with analyses of volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs) including PAHs. This will provide for more accuracy in the screening process.

Table 2a also lists chemicals that share the same toxic mode of action, based on the work of Russom, et al., (1997). For those detected chemicals that share the same toxic mode of action, the ΣTU approach should be used. For example, a number of pesticides listed in Table 2a share the same toxic mode of action as central nervous system seizure agents, as identified by the symbol "C". Detected concentrations of these pesticides should be evaluated using the ΣTU approach.

Except where noted on Table 2a as "wildlife based", the sediment ESVs provide

protection to benthic organisms from direct toxicity. The wildlife based ESV should be used in the Step 2 screening and if the site concentration exceeds the wildlife based ESV, then a food chain model will be needed in Step 3a. See also Sections 2.1 and 3.1.5 for discussion of bioaccumulative chemicals.

It is important to determine if there are any State regulatory sediment benchmarks. If so, then the State sediment regulatory values are used if they are more conservative than the equilibrium partitioning values derived from surface water benchmarks.

The screening values do not consider the antagonistic, additive or synergistic effects of other sediment contaminants in combination with other mixtures or the potential for bioaccumulation and trophic transfer to aquatic life or wildlife. Such potential effects of identified COPCs would likely be discussed in the BERA.

6.2.3 Sediment ESVs based on Narcotic Mode of Toxicity

The predominant mode of toxicity for each of the chemicals in Table 2b is narcosis. Most of the ESVs in Table 2b are based on EqP of neutral (nonionic) organic chemicals. With the exception of PAHs and a few other chemicals that are measured on a dry weight basis (highlighted in gray color on Table 2b) the concentrations are expressed in µg/kg at 1% OC. When screening chemicals using the ESVs in ERA Step 2, the ESVs in Table 2a and Table 2b are applied as in units of µg/kg dry weight, as recommended by MacDonald *et al.* (2000). The site-specific total organic carbon content of the sediment is factored into the calculation of the sum toxic unit using the RSVs in EPA Step 3a.

The ΣTU approach should be used in the screening process to identify COPCs that may collectively contribute narcotic effects to sediment-dwelling organisms. The same methodology described in the previous section (Equation 3) was used for deriving the ESVs, except for PAHs which are discussed below.

6.2.4 PAH Mixtures – Refinement Screening Values

The EqP methodology presented in this section provides a means to estimate the ΣTU concentrations for PAHs that may be present in sediment for protection of benthic organisms from adverse effects.

The refinement screening values for PAHs are derived from the methodology developed in the EPA (2003a) guidance document and incorporate the ΣTU approach for narcosis as

discussed in Section 3.1.6. The methodology and equations are similar to the EqP discussion in Section 6.2.2. Based on this EPA (2003a) approach and terminology, the quotient for a specific OC normalized PAH concentration ($C_{OC,\ PAHi}$) and the sediment OC normalized PAH final chronic value ($C_{OC,\ PAHi,\ FCVi}$) in sediments is termed the equilibrium partitioning sediment benchmark toxic unit ($ESBTU_{FCVi}$). Thus, the EqP sediment benchmark (ESB) for the mixture of PAHs is the sum of the $ESBTU_{FCVi}$ for all of the PAHs in the particular sediment as reflected below:

$$\Sigma ESBTU_{FCV} = \Sigma_i \ C_{OC,PAHi,} / C_{OC,PAHi,FCVi}$$

Table 2c provides the sediment $C_{OC,\ PAHi,\ FCVi}$ for various PAHs. The 34 PAHs are bolded in the Table. Other individual PAH benchmark values may be found in Table 3.4 of the EPA (2003a) guidance document. Note that these values are expressed as µg/kg OC (direct from the guidance) and have not been normalized to 1% OC.

This approach specifies that the sum of 34 individual PAHs be used for protection of benthic organisms. If the $\Sigma ESBTU_{FCV}$ is <1.0 for the 34 PAHs, then sensitive benthic organisms are considered not to be adversely affected.

It is recognized that most analytical methods do not measure the suggested 34 PAHs. In general, EPA's Contract Laboratory Program (CLP) does not provide such analyses and many other laboratories do not have the capability. Typically, non-alkylated PAHs are identified through the semi-volatile analysis methods (e.g., EPA SW-846 Method 8270C), that usually provide results for approximately 16 individual PAHs. For screening purposes, if there are less than 34 PAHs, then the EPA (2003a) guidance document should be consulted to determine an appropriate multiplying factor to account for the potential contribution of the alkylated PAHs to benthic organism toxicity.

The EPA (2003a) guidance document states that the FCVs and resulting sediment benchmarks are acceptable for saltwater sediments. Consequently, the freshwater sediment RSVs for PAHs are the same for marine sediment. These RSVs also do not consider the antagonistic, additive or synergistic effects of other sediment contaminants in combination with PAH mixtures or the potential for bioaccumulation and trophic transfer of PAH mixtures to aquatic life or wildlife.

At sites with PAH contamination, certain chemicals that are not technically PAHs are

often present, such as dibenzofuran, carbazole, benzaldehyde, and 1,1-biphenyl. These chemicals should be considered for inclusion in the ΣTU for PAHs.

6.3 Soil Screening Values

The hierarchy for soil benchmarks for protection of plants, soil invertebrates, mammals and avians is as follows:

- EPA Ecological Soil Screening levels (EcoSSLs);
- Department of Energy Laboratories i.e., Los Alamos National Laboratory (LANL) and Oak Ridge National laboratory (ORNL).
- EqP modeled values for organic chemicals.

The Region 4 soil screening values (Table 3) include the EPA Ecological Soil Screening Values (EcoSSLs). Table 3 indicates the ecological entity that the soil screening value is intended to protect. Soil screening values that protect plants, soils invertebrates, avian wildlife or mammalian wildlife are reported from various sources. The Region 4 soil screening values typically address toxicity through direct exposure (e.g., toxicity to soil invertebrates such as earthworms and plants). For those chemicals that biomagnify, screening values may be back-calculated to derive screening values for avian or mammalian wildlife by considering trophic transfers from the abiotic medium to prey items. The EcoSSLs provide screening values for avian and mammalian wildlife by this method.

Where there are no EcoSSLs, the LANL values followed by the ORNL benchmarks are used. For organic compounds that don't have conventional screening benchmarks, Table 3 also includes screening benchmarks for invertebrates based on EqP theory similar to the sediment model. The following equation is used:

$$ESV_{Soil\ Inverts} = WQB \times [foc \times Koc + \theta_w/\rho_b + (\theta_a/\rho_b)*H']$$

Where: $ESV_{Soil\ Inverts}$ = screening value (mg/kg)
WQB = water quality benchmark from ECOSAR (mg/L)
foc = fraction of OC assumed to be 1% (dimensionless)
Koc = OC partitioning coefficient (L/kg)
θw = volumetric water content of soil (0.198 cubic centimeter [cm^3]/cm^3)
θa = aeration porosity of soil (0.284 cm^3/cm^3)

ρb = soil bulk density (1.37 grams per cubic centimeter [g/cm^3])
H' = Henry's Law constant (dimensionless)

Although the θw, θa, and ρb parameters depend on soil texture, for screening purposes, the default values for each of these are based on the silty clay loam texture classification consistent with the Johnson and Ettinger (1991) Vapor Intrusion Model. Therefore, the above equation can be simplified to:

$$ESV_{Soil\ Inverts} = WQB \times [Koc + 0.145 + (0.207 * H')]$$

This model assumes that the WQBs protective of aquatic invertebrates in interstitial pore water are also protective of terrestrial invertebrates in soil. Recent research by Redman et al. (2014) suggests that a target lipid model for soil organisms may also be combined with the EqP model. Research to test their combined model is needed and will likely be forthcoming in the near future.

For bioaccumulative chemicals in soil, as highlighted in red font on Table 3, priority was given to mammalian or avian ESVs over the soil invertebrate benchmarks to reflect effects to the upper trophic level receptors. In addition, for those bioaccumulatives that did not have benchmarks from the listed soil hierarchy, then EPA (2003b) Region 5 ecological screening levels were used.

Although there are no refinement values (RSVs) for soils, the risk assessor may use the other benchmark values on Table 3 as RSVs, depending on the receptors exposed. Other sources may also be used provided justification is included for the soil RSV.

6.4 Wildlife Screening Values

Currently there is limited information concerning tissue chemical screening levels which would pose minimal or no toxic effects to predatory ecological receptors. Consequently, no screening-level tissue residue values have been proposed at this time for use in the SLERA. As mentioned in Section 3.2, dietary and bioaccumulation modeling is not recommended in the SLERA and should be reserved for Step 3a and beyond. There are TRVs for various wildlife that serve to indicate if a dietary contaminant dose may pose potential risk to a predatory ecological receptor. The chemical exposure is generally expressed as a daily dietary exposure with the units in mg/kg body weight of the receptor per day (mg/kg-BW/day). Site-specific wildlife screening values that are based on

ecotoxicological information from sources such as the scientific literature, computer databases, etc., may be submitted during the Step 3a Refinement Screen or later in the BERA. The EPA Region 4 SSS have TRVs and wildlife exposure parameters that are preferred for use in ecological risk assessments conducted in Region 4. Please contact the SSS for their latest updated values.

6.5 Groundwater Screening Values

If the initial CSM suggests the potential for impacts of contaminated groundwater on ecological receptors, either directly (e.g., cave-dwelling ecological receptors if present) or indirectly through existing or potential discharge to sediments, seeps, and surface water, then these pathways should be considered in the SLERA. The maximum groundwater chemical concentrations should be compared to the surface water screening values as a conservative scenario (e.g., no attenuation, dilution, etc.). The ΣTU approach for PAHs and other potentially narcotic chemicals in groundwater should be used as described in Section 3.1.5.

7.0 References

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Region 4 Ecological Risk Assessment Supplemental Guidance

MARCH 2018 UPDATE

Screening Values

Surface Water Screening Values

Table 1a
Region 4 Surface Water Screening Values for Hazardous Waste Sites

Chemical	CAS	Freshwater Screening Values (µg/L)			Saltwater Screening Values (µg/L)		
		Chronic	Acute	Source	Chronic	Acute	Source
Inorganic Compounds							
Metals							
Aluminum (pH 6.5 -9.0)	7429-90-5	87	750	a	1,500		d
Antimony	7440-36-0	190	900	b	4,300		d
Arsenic (filtered and unfiltered) ^	7440-38-2	150	340	a	36	69	a
Arsenic III (unfiltered) ^	22541-54-4	148	340	b	36	69	f
Barium	7440-39-3	220	2,000	b	4	110	a
Beryllium	7440-41-7	11	93	b	0.13		d
Boron	7440-42-8	7,200	34,000	b	1,000		l
Cadmium (filtered) ^ *	7740-43-9	0.45	0.94	a	7.9	33	a
Calcium	7440-70-2	116,000		c			
Chromium III (filtered) ^ *	16065-83-1	42	323	a	103	515	s
Chromium VI (filtered) ^	18540-29-9	11	16	a	50	1,100	a
Cobalt	7440-48-4	19	120	b			
Copper (filtered) ^ *	7740-50-8	4.95	7.0	a	3.1	4.8	a
Iron	7439-89-6	1,000		a	300		d
Lead (filtered) ^ *	7439-92-1	1.25	30.1	a	8.1	210	a
Lithium	7439-93-2	440	910	b			
Magnesium	7439-95-4	82,000		c			
Manganese	7439-96-5	93	1,680	b	100		d
Mercury (filtered & unfiltered) ^ (aquatic)	7439-97-6	0.77	1.4	a	0.94	1.8	a
Mercury (wildlife based)	7439-97-6	0.0013	0.012	b, a	0.94	1.8	a
Methylmercury (aquatic life)	22967-92-6	0.0028	0.099	c			
Molybdenum	7439-98-7	800	7,200	b			
Nickel (filtered) ^ *	7440-02-0	28.9	260	a	8.2	74	a
Phosphorus (elemental)	7723-14-0	1,000		m	100		d
Potassium	7440-09-7	53,000		c			
Selenium (unfiltered) ^ (aquatic) **	7782-49-2	5	20	a, aa	71	290	a
Silver (filtered) ^ *	7740-22-4	0.06	0.98	b, a	0.1	1.9	e, a
Sodium	7440-23-5	680,000		c			
Strontium	7440-24-6	5,300	48,000	b			
Thallium	7440-28-0	6	54	b	6.3	710	d, g
Tin	7440-31-5	180	1,600	b			
Uranium	7440-61-1	2.6	46	c			
Vanadium	7440-62-2	27	79	b			
Zinc (filtered) ^ *	7740-66-6	66	66	a	81	90	a
Zirconium	7440-67-7	17	310	c			
Other Inorganics							
Chloride	16887-00-6	230,000	860,000	a, a			
Chlorine	7782-50-5	11	19	a, a	7.5	13	a, a
Cyanide (free)	57-12-5	5.2	22	a, a	1	1	a, a
Fluoride	16984-48-8	2,700	9,800	b, b	5,000		d
Hydrogen sulfide (S^{2-}, HS^-)	7783-06-4	2	3.2	a, n	2		a
Sulfite	14265-45-3	200		b			
Volatile Organic Compounds (VOCs)							
Chlorinated and Brominated Alkanes							
1,1,1,2-Tetrachloroethane	630-20-6	85	770	b, b	360	1,376	i, i
1,1,2,2-Tetrachloroethane	79-34-5	200	910	b, b	10.8	902	d, s
1,1,1-Trichloroethane	71-55-6	76	690	b, b	1,560	3,120	s, s
1,1,2-Trichloroethane	79-00-5	730	3,200	b, b	2,097	8,026	i, i
1,1-Dichloroethane	75-34-3	410	3,700	b, b	2,692	10,310	i, i
1,2-Dichloroethane	107-06-2	2,000	8,200	b, b	5,650	11,300	s, s
1,2-Dichloropropane	78-87-5	520	3,300	b, b	1,064	3,400	i, g
Bromoform (tribromomethane)	75-25-2	230	1,100	b, b	360	1,790	d, s
Bromomethane (methyl bromide)	74-83-9	16	38	b, b	265	1,100	u, u

Table 1a
Region 4 Surface Water Screening Values for Hazardous Waste Sites

Chemical	CAS	Freshwater Screening Values (µg/L)			Saltwater Screening Values (µg/L)		
		Chronic	Acute	Source	Chronic	Acute	Source
Dibromochloromethane	124-48-1	320	2,900	b, b	34	13,416	d, u
Dichlorobromomethane	75-27-4	340	3,100	b, b	3,510	14,567	u, u
Dichloromethane (Methylene chloride)	75-09-2	1,500	8,500	b, b	1,580	25,600	d, s
Hexachloroethane	67-72-1	12	210	c, c	33	310	j, g
Trichloromethane (Chloroform)	67-66-3	140	1,300	b, b	471	8,150	d, s
Tetrachloromethane (Carbon tetrachloride)	56-23-5	77	690	b, b	4.4	15,000	d, s
Chlorinated Alkenes							
1,1-Dichloroethene (1,1-Dichloroethylene)	75-35-4	130	1,200	b, b	3.2	22,400	d, s
1,2-Dichloroethene (1,2-Dichloroethylene)	540-59-0	970	8,800	b, b	818	3,393	u, u
1,2-cis-Dichloroethyene	156-59-2	620	5,500	b, b	1,629	6,236	i, i
1,2-trans-Dichloroethylene	156-60-5	558	10,046	b, b	1,629	6,236	i, i
1,3-Dichloropropene (cis and trans)	542-75-6	1.7	15	b, b	39.5	79	s, s
1,1,2,2-Tetrachloroethylene (PCE)	127-18-4	53	430	b, b	8.85	1,020	d, s
1,1,2-Trichloroethylene (TCE)	79-01-6	220	2,000	b, b	81	200	d, s
Chloroethene (Vinyl chloride)	75-01-4	930	8,400	b, b	2,276	8,717	i, i
Chlorobenzenes							
Chlorobenzene	108-90-7	25	220	b, b	25	1,360	h, i
1,2-Dichlorobenzene	95-50-1	23	130	b, b	42	660	h, g
1,3-Dichlorobenzene	541-73-1	22	79	b, b	390	660	e, g
1,4-Dichlorobenzene	106-46-7	9.4	57	b, b	115	660	i, g
1,2,3-Trichlorobenzene	87-61-6	8	134	h, i	5	134	l, i
1,2,4-Trichlorobenzene	120-82-1	130	420	b, b	5.4	134	h, i
1,3,5-Trichlorobenzene	108-70-3	5	134	l, i	5	134	l, i
Trichlorobenzene (mixed isomers)	12002-48-1	5	134	b, i	5	134	l, i
Monoaromatic Hydrocarbons							
1,2,4-Trimethylbenzene	95-63-6	15	140	b, b	56	366	j, i
1,3,5-Trimethylbenzene	108-67-8	26	230	b, b	56	366	j, i
Benzene	71-43-2	160	700	b, b	110	1,700	h, g
Cymene, p- (4-Isopropyltoluene)	99-87-6	16	150	b, b	21	187	j, i
Ethylbenzene	100-41-4	61	550	b, b	25	8,760	h, s
Isopropylbenzene (Cumene)	98-82-8	4.8	43	b, b	98	547	j, i
Styrene (vinyl benzene)	100-42-5	32	290	b, b	412	1,575	i, i
Toluene	108-88-3	62	560	b, b	215	950	h, s
Xylenes (total)	1330-20-7	27	240	b, b	260	1,057	j, i
Energetic VOCs							
Acetonitrile	75-05-8	12,000	100,000	b, b	73,429	217,936	j, j
Acrylonitrile	107-13-1	78	650	b, b	391	858	j, j
1,2-Diphenylhydrazine	122-66-7	1.1	10	b, b	30	110	j, j
Hydrazine	302-01-2	2	16	b, b	34	140	u, u
Ketones							
2-Butanone (methyl ethyl ketone)	78-93-3	22,000	200,000	b, b	65,695	201,828	j, j
2-Hexanone (methyl butyl ketone)	591-78-6	99	1,800	c, c	16,871	58,590	j, j
2-Octanone (methyl hexyl ketone)	111-13-7	8.3	150	c, c	2,807	10,740	i, i
4-Methyl-2-pentanone (MIBK)	108-10-1	170	2,200	c, c	19,142	65,872	j, j
Acetone	67-64-1	1,700	15,000	b, b	117,629	355,606	j, j
Alcohols							
1-Pentanol	71-41-0	110	2,000	c, c	12,637	44,404	j, j
2-Propanol	67-63-0	7.5	130	c, c	52,874	162,854	j, j
Ethylene glycol	107-21-1	140,000	1,300,000	b, b	4,200	1,768,104	u, j
Methanol	67-56-1	330	3,000	b, b	112,652	369,551	j, j
Propylene glycol	57-55-6	71	640	b, b	329,329	1,114,122	j, j
Other VOCs							
1,4-Dioxane	123-91-1	22,000	200,000	n, n	200,733	617,500	j, j
Acetaldehyde	75-07-0	130	1,200	b, b	20	1,680	u, u
Acrolein	107-02-8	3	3	a, a	1.8	7.6	u, u

Table 1a
Region 4 Surface Water Screening Values for Hazardous Waste Sites

Chemical	CAS	Freshwater Screening Values (µg/L)			Saltwater Screening Values (µg/L)		
		Chronic	Acute	Source	Chronic	Acute	Source
Carbon disulfide	75-15-0	15	130	b, b	253	1,050	u, u
Cyclohexane	110-82-7	158	890	j, i	158	890	j, i
Hexane	110-54-3	0.6	10	c, c	115	715	j, i
Methylcyclohexane	108-87-2	52	421	j, i	52	421	j, i
Methylamine	74-89-5	860	7,700	b, b	1,727	14,164	j, j
Methyl tert-butyl ether (MTBE)	1634-04-4	730	6,500	b, b	5,000	38,037	h, j
Vinyl acetate	108-05-4	16	280	c, c	2,892	12,000	u, u
Semivolatile Organic Compounds							
Chloroanilines							
4-Chloroaniline	106-47-8	0.8	24	u, u	0.8	24	u, u
2,4-Dichloroaniline	554-00-7	15	575	j, j	15	575	j, j
Pentachloroaniline	527-20-8	5	88	j, i	5	88	j, i
Chlorobenzenes							
1,2,3,4-Tetrachlorobenzene	634-66-2	3	18	b, b	6	39	j, i
1,2,4,5-Tetrachlorobenzene	95-94-3	8.3	75	b, b	6	39	j, i
Hexachlorobenzene (aquatic only)	118-74-1	0.15	2.8	j, u	0.15	2.8	j, u
Hexachlorobenzene (wildlife based)	118-74-1	0.0003		n			
Pentachlorobenzene (aquatic only)	608-93-5	3.1	16	b, b	1	11	j, i
Pentachlorobenzene (wildlife based)	608-93-5	0.02		n			
Chlorophenols							
2-Chlorophenol	95-57-8	18	160	b, b	400	1,037	d, u
2,4-Dichlorophenol	120-83-2	11	92	b, b	790	1,352	d, j
2,4,5-Trichlorophenol	95-95-4	1.9	17	b, b	12	259	o, o
2,4,6-Trichlorophenol	88-06-2	4.9	39	b, b	6.5	414	d, i
2,3,4,6-Tetrachlorophenol	58-90-2	1	11	h, n	32	120	i, i
3-Methyl-4-Chlorophenol	59-50-7	1	67	h, n	241	1,000	u, u
Pentachlorophenol # (aquatic)	87-86-5	15	19	a, a	7.9	13	a, a
Other Phenols							
2-Methylphenol (Cresol, o-)	95-48-7	67	600	b, b	995	2,615	j, j
3-Methylphenol (Cresol, m-)	108-39-4	62	560	b, b	995	2,615	j, j
4-Methylphenol (Cresol, p-)	106-44-5	53	480	b, b	405	1,680	u, u
2,3-Dimethylphenol	526-75-0	120	1,100	n, n	550	1,446	j, j
2,4-Dimethylphenol	105-67-9	15	140	b, b	193	800	u, u
2-Nitrophenol	88-75-5	73	650	b, b	900	4,101	u, j
4-Nitrophenol	100-02-7	58	530	b, b	600	3,585	u, u
2,4-Dinitrophenol	51-28-5	71	379	b, b	14	2,425	d, u
2,4,6-Tribromophenol	118-79-6	5.6	50	b, b	37	140	i, i
Nonylphenol (branched)	84852-15-3	1	6	h, j	0.7	6	h, j
Phenol	108-95-2	160	4,700	b, b	58	300	p, p
Energetic SVOAs							
2-Amino-4,6-dinitrotoluene	35572-78-2	18	160	b, b	20	175	k
4-Amino-2,6-dinitrotoluene	19406-51-0	11	98	b, b	27	707	j, j
1,3-Dinitrobenzene (DNB)	99-65-0	22	100	b, b	20	108	k
2,3-Dinitrotoluene	602-01-7	2.3	21	b, b	36	295	j, u
2,4-Dinitrotoluene	121-14-2	44	390	b, b	9.1	200	d, g
2,5-Dinitrotoluene	619-15-8	5.6	50	b, b	36	367	j, j
2,6-Dinitrotoluene	606-20-2	81	730	b, b	36	200	j, g
3,5-Dinitrotoluene	618-85-9	95	860	b, b	36	367	j, j
3,5-Dinitroanaline (DNA)	618-87-1	70	210	b, b	60	230	k
HMX (Octahydro-tetranitro-1,3,5,7-tetrazocine)	2691-41-0	220	1,200	b, b	330	1,875	k
Nitroglycerine	55-63-0	18	160	b, b	239	991	u, u
2-Nitrotoluene	88-72-2	71	640	b, b	1,185	4,919	u, u
3-Nitrotoluene	99-08-1	42	380	b, b	1,384	5,745	u, u
4-Nitrotoluene	99-99-0	46	410	b, b	1,438	5,969	u, u
RDX (Hexahydro-1,3,5-trinitro-1,3,5-triazine)	121-82-4	79	520	b, b	190	700	k

Table 1a
Region 4 Surface Water Screening Values for Hazardous Waste Sites

Chemical	CAS	Freshwater Screening Values (µg/L)			Saltwater Screening Values (µg/L)		
		Chronic	Acute	Source	Chronic	Acute	Source
1,3,5-Trinitrobenzene (TNB)	99-35-4	11	27	b, b	11	36	k
2,4,6-Trinitrotoluene (TNT)	118-96-7	13	120	b, b	54	252	j, u
Phthalates							
bis(2-Ethylhexyl) Phthalate	117-81-7	8	1,100	b, b	6	605	u, u
Butylbenzyl Phthalate	85-68-7	23	130	b, b	18	38	i, i
Diethyl Phthalate	84-66-2	220	980	b, b	59	2,139	u, u
Dimethyl Phthalate	131-11-3	1,100	3,200	b, b	3,295	16,500	j, u
Di-n-Butyl Phthalate	84-74-2	19	34	b, b	27	102	i, i
Di-n-Octyl Phthalate	117-84-0	215	893	u, u	215	893	u, u
Polycyclic Aromatic Hydrocarbons (PAHs)							
1-Methylnaphthalene	90-12-0	6.1	109	b, b	52	157	j, i
2-Methylnaphthalene	91-57-6	4.7	42	b, b	52	150	j, i
Acenaphthene	83-32-9	15	19	b, b	15	320	j, g
Acenaphthylene	208-96-8	13	120	b, b	28	291	j, j
Anthracene	120-12-7	0.02	0.18	b, b	0.43	1.8	u, u
Benz(a)anthracene	56-55-3	4.7	42	b, b	0.35	4.6	j, i
Benzo(a)pyrene	50-32-8	0.06	0.54	b, b	0.02	0.64	u, u
Benzo(b)fluoranthene	205-99-2	2.6	23	b, b	0.06	1.4	j, i
Benzo(g,h,i)perylene	191-24-2	0.012	0.19	j, u	0.012	0.19	j, u
Benzo(k)fluoranthene	207-08-9	0.06	1.3	j, i	0.06	1.3	j, i
Chrysene	218-01-9	4.7	42	b, b	0.35	4.2	j, i
Dibenz(a,h)anthracene	53-70-3	0.012	0.28	j, j	0.01	0.28	j, j
Fluoranthene	206-44-0	0.8	3.7	b, b	0.82	3.4	u, u
Fluorene	86-73-7	19	110	b, b	24	82	j, i
Indeno(1,2,3-cd)pyrene	193-39-5	0.012	0.27	j, j	0.012	0.27	j, j
Naphthalene	91-20-3	21	170	b, b	1.4	780	h, g
Phenanthrene	85-01-8	2.3	31	b, b	4.6	7.7	o, o
Pyrene	129-00-0	4.6	42	b, b	0.11	0.45	u, u
PAH-like Compounds							
1,1-Biphenyl	92-52-4	6.5	26	b, b	49	198	j, u
Carbazole	86-74-8	4.0	36	n, n	112	465	u, u
Dibenzofuran	132-64-9	4.0	36	b, b	61	242	j, i
Quinoline	91-22-5	3.4	5,682	h, i	1,634	5,682	u, i
Tetrahydrofuran	109-99-9	11,000	74,000	b, b	19,606	68,203	i, j
Other SVOCs							
2,2-Dibromo-3-nitrilopropionamide	10222-01-2	20	50	b, b	10	40	u, j
3,3'-Dichlorobenzidine	91-94-1	4.5	41	n, n	13	505	j, i
4-Bromophenyl Phenyl Ether	101-55-3	1.5	12	c, i	2	12	j, i
Aniline	62-53-3	4.1	30	b, b	10	76	u, u
Benzaldehyde	100-52-7	143	592	u, u	143	592	u, u
Benzidine	92-87-5	1.5	14	b, b	23	660	j, j
Benzoic Acid	65-85-0	42	740	c, c	--	--	--
Benzyl alcohol	100-51-6	8.6	150	c, c	1,205	5,000	u, u
Decane	124-18-5	49	880	c, c	4	17	i, i
Hexachlorobutadiene (Aquatic Life)	87-68-3	1	10	b, b	0.3	1.6	l, s
Hexachlorobutadiene (Wildlife Based)	87-68-3	1	10	b, b	0.3	1.6	l, s
Hexachlorocyclopentadiene	77-47-4	0.45	4.5	b, b	0.07	0.7	l, l
Hydroquinone	123-31-9	2.2	4.4	b, b	6	25	u, u
Isodecyl diphenyl phosphate	29761-21-5	1.7	22	b, b	--	--	--
Isophorone	78-59-1	920	7,500	b, b	996	4,300	i, g
N-Nitrosodiphenylamine	86-30-6	25	220	b, b	48	283	u, j
2-Nitroaniline	88-74-4	17	494	j, j	17	494	j, j
Nitrobenzene	98-95-3	230	1,000	b, b	1,046	2,000	u, g
Triphenyl phosphate	115-86-6	4	40	b, b	--	--	--

Table 1a
Region 4 Surface Water Screening Values for Hazardous Waste Sites

Chemical	CAS	Freshwater Screening Values (µg/L)			Saltwater Screening Values (µg/L)		
		Chronic	Acute	Source	Chronic	Acute	Source
Pesticides							
4,4'-DDT (Aquatic Life Only)	50-29-3	0.001	1.1	a, a	0.01	0.13	j, a
4,4'-DDT (Wildlife-Based)	50-29-3	0.001	1.1	a, a	0.01	0.13	j, a
4,4'-DDE	72-55-9	0.3	1.3	u, u	0.14	0.7	s, s
4,4'-DDD	72-54-8	0.01	0.19	c, c	0.084	0.35	u, u
Acephate	30560-19-1	150	550	r, r	1.5	28	j, j
Aldrin	309-00-2	0.04	3.0	b, a	0.0001	1.3	d, a
Atrazine	1912-24-9	0.03	0.05	u, u	--	--	--
Azinphos-methyl (Guthion)	86-50-0	0.01	0.08	a, r	0.01	0.19	a, u
BHC (alpha)	319-84-6	0.01	--	h	0.046	--	d
BHC (beta)	319-84-6	0.01	--	h	0.046	--	d
BHC-gamma (Lindane) (Aquatic Life)	58-89-9	0.11	0.95	b, a	0.02	0.16	u, a
BHC-gamma (Lindane) (Wildlife Based)	58-89-9	0.11	0.95	b, a	0.02	0.16	u, a
Carbaryl	63-25-2	0.2	0.85	h, r	0.29	1.6	h, a
Carbofuran	1563-66-2	0.75	1.1	r, r	0.29	1.2	u, u
Chlordane	57-74-9	0.004	2.4	a, a	0.004	0.09	a, a
Chloropyrifos	2921-88-2	0.04	0.08	a, a	0.006	0.011	a, a
Cyanazine	21725-46-2	18.2	328	b, b	--	61	j, j
Demeton	126-75-0	0.10	5.2	a, j	0.1	5.2	a, j
Diazinon	333-41-5	0.17	0.17	a, a	0.82	0.82	a, a
Dieldrin (Aquatic Life)	60-57-1	0.06	0.24	a	0.002	0.71	a, a
Dieldrin (Wildlife Based)	60-57-1	0.06	0.24	a	0.002	0.71	a, a
Dimethoate	60-51-5	0.50	22	r, r	--	2	j, j
Endosulfan (alpha + beta)	115-29-7	0.06	0.22	a, a	0.009	0.03	a, a
Endosulfan Sulfate	1031-07-8	0.06	1.9	p, r	0.009	0.03	p, p
Endrin	72-20-8	0.04	0.09	a, a	0.002	0.04	a, a
Heptachlor	76-44-8	0.004	0.5	a, a	0.004	0.05	a, a
Heptachlor Epoxide	1024-57-3	0.004	0.5	a, a	0.004	0.05	a, a
Malathion	121-75-5	0.1	0.3	a, r	0.1	1	a, u
Methoxychlor	72-43-5	0.03	0.7	a, r	0.03	--	a
Mirex (Aquatic Life)	2385-85-5	0.001	0.001	a, b	0.001	0.001	a, l
Mirex (Wildlife Based)	2385-85-5	0.001	0.001	a, b	0.001	0.001	a, l
Parathion	56-38-2	0.01	0.065	a, a	0.04	0.06	d, u
Toxaphene	8001-35-2	0.0002	0.73	a, a	0.0002	0.21	a, a
Herbicides, Fungicides							
2,4-D	94-75-7	79.2	130	r, r	70	--	f, i
Captan	133-06-2	16.5	13	r, r	18	30	j, j
Chlorothalonil	1897-45-6	0.6	1.8	r, r	0.36	16	h, u
Dicamba	1918-00-9	14.7	61	b, r	--	--	--
Dinoseb	88-85-7	0.48	4.8	n	--	--	--
Diquat	2764-72-9	6	54	b, b	11	21	u, u
MCPA (2-methyl-4-chlorophenoxyacetic acid)	94-74-6	2.6	90	h, r	4.2	40	h, u
Metolachlor	51218-45-2	7.8	110	h, n	0.6	2	j, j
Silvex (2,4,5-TP)	93-72-1	30	270	n	50	--	f, i
Simazine	122-34-9	9	--	b, r		57	j, j
Trifluralin	1582-09-8	0.48	8.6	b, b	3	12	j, i
Polychlorinated Biphenyls (PCBs) and Dioxin/Furans							
2,3,7,8-TCDD (Dioxin) (Wildlife Based)	1746-01-6	3.10E-09		b			
Total PCBs (Aquatic Life)	1336-36-3	0.014	0.014	a, d	0.03	0.03	a
Total PCBs (Wildlife Based)	1336-36-3	0.00012		b	0.03		a
Other							
Alkalinity	-	20,000	--	a	--	--	--
Ammonia ^^	7664-41-7	Varies	Varies	a	varies	varies	a, a
Formaldehyde	50-00-0	180	790	b	216	826	u, j
Nitrite (warm water)	14797-65-0	20	100	b	--	--	--

Table 1a
Region 4 Surface Water Screening Values for Hazardous Waste Sites

Chemical	CAS	Freshwater Screening Values (µg/L)			Saltwater Screening Values (µg/L)		
		Chronic	Acute	Source	Chronic	Acute	Source
pH	-	20,000	--	a	--	--	--
Selenate	14124-68-6	9	13	b	--	--	--
Selenite	14124-67-5	28	186	b	--	--	--
Tributyltin	688-73-3	0.072	0.46	a	0.0074	0.42	a, a
Urea	57-13-6	17,000	150,000	b	--	--	--

Table 1a Notes:

Red font indicates a bioaccumulative chemical.

^ - Screening value is for **filtered (dissolved)** metals. A conversion factor (CF) was used to convert the screening value for total metals in surface water to a screening value for dissolved metals in surface water. CMC (dissolved) = CMC (total) × CF. See Table 1c for screening values for **total (unfiltered)** metals.

* - The freshwater screening value is hardness dependent. The screening value shown in Table 1a is for **dissolved metals assuming a hardness of 50 mg/L as $CaCO_3$**. A correction for site-specific hardness was based on equations listed in Tables 1b and 1c. If hardness data are unavailable hardness may be estimated as: H = 2.497 × Ca (mg/L) + 4.118 × Mg (mg/L).

- Freshwater criteria for pentachlorophenol are pH Dependent. Values displayed are for a pH of 7.8.

^^ - Criteria for ammonia are pH, temperature, and lifestage dependent.

** - Selenium concentrations in water do not reflect dietary sources to aquatic life and screening against these numbers may not be adequately protective.

Table 1a Sources:

a - National Recommended Water Quality Criteria http://water.epa.gov/scitech/swguidance/standards/criteria/current/index.cfm

a~ - Per the NRWQC, when comparing the maximum detected value, the higher number should be used; but if comparing to an average or 95%UCL, the lower number should be used.

aa - Tier 2 value.

b - Great Lakes Initiative (GLI) Clearinghouse resources Tier II criteria revised 2013 http://www2.epa.gov/gliclearinghouse/

c - Suter, G.W. II, and Tsao, C.L. 1996. Toxicological benchmarks for screening potential contaminants of concern for effects on aquatic biota: 1996 Revision. ES/ER/TM-96/R2. https://rais.ornl.gov/documents/tm96r2.pdf

d - Florida State Criteria for Surface Water Quality Classifications http://www.dep.state.fl.us/legal/Rules/shared/62-302/302-Table.pdf

e - North Carolina Water Quality Standards https://www.epa.gov/sites/production/files/2014-12/documents/nc-classifications-wqs.pdf

f - Georgia Department of Natural Resources (GADNR) Water Use Classifications and Water Quality Standards https://epd.georgia.gov/georgia-water-quality-standards

g - Hawaii Department of Health (HDOH) Environmental Action Levels, Chronic and Acute Surface Water (Aquatic Habitat) Standards http://eha-web.doh.hawaii.gov/eha-cma/Leaders/HEER/environmental-hazard-evaluation-and-environmental-action-levels

h - CCME (Canadian Council of Ministers of the Environment). 2003. Canadian Environmental Quality Guidelines: Summary Table December 2003. Canadian Council of Ministers of the Environment, Winnipeg, Manitoba. Available at: http://www.ccme.ca/en/resources/canadian_environmental_quality_guidelines/index.html

i - McGrath and Di Toro (2009) Model - See text Section 6.1.4 Equation 1. Model. May be used for freshwater and saltwater.

j - ECOSAR program predicted lowest chronic or acute value. See Section 6.1.4 in text. Model may be used for freshwater or saltwater.

k - Talmadge et al. (1999)

l - New York Ambient Water Quality Criteria and Guidance Values: http://www.dec.ny.gov/docs/water_pdf/togs111.pdf

m - New Jersey Department of Environmental Protection (NJDEP) Ecological Screening Criteria http://www.nj.gov/dep/srp/guidance/ecoscreening/esc_table.pdf

n - Michican Water Quality Values - Rule 57: http://www.michigan.gov/deq/0,4561,7-135-3313_3686_3728-11383--,00.html

o - Texas Surface Water Quality Standards: https://www.tceq.texas.gov/waterquality/standards/2014standards.html

p - Mississippi Water Quality Standards: https://www.epa.gov/sites/production/files/2014-12/documents/ms-wqs.pdf

q - U.S. EPA. 2003a. Procedures for the Derivation of Equilibrium Partitioning Sediment Benchmarks (ESBs) for the Protection of Benthic Organisms: PAH Mixtures. Office of Research and Development, Washington, DC. EPA/600/R-02/013. Available at: http://www.udel.edu/udaily/2010/jun/images/PAHESB.pdf

r - Office of Pesticide Programs (OPP) Aquatic Life Benchmarks: http://www.epa.gov/pesticide-science-and-assessing-pesticide-risks/aquatic-life-benchmarks-pesticide-registration

s - Louisiana DEQ Water Quality Standards: http://deq.louisiana.gov/page/water-quality

Table 1b
Conversion Factors (CF) and Hardness-Dependent Equations

Chemical	Freshwater						Saltwater *	
	Chronic Values			Acute values			Conversion Factors	
	m_C	b_C	*CF*	m_A	b_A	*CF*	*CF - Chronic*	*CF - Acute*
Arsenic			1			1	1	1
Beryllium ^	1.609	-5.017		1.609	-2.874			
Cadmium	0.7977	-3.909	1.101672-0.041838(lnH)	0.9789	-3.866	1.136672-0.041838 (lnH)	0.994	0.994
Chromium III	0.819	0.6848	0.86	0.819	3.7256	0.316	NA	NA
Chromium VI			0.962			0.982	0.993	0.993
Copper	0.8545	-1.702	0.96	0.9422	-1.7	0.96	0.83	0.83
Lead	1.273	-4.705	1.46203-0.145712(lnH)	1.273	-1.46	1.46203-0.145712 (lnH)	0.951	0.951
Mercury			0.85			0.85	0.85	0.85
Nickel	0.846	0.0584	0.997	0.846	2.255	0.998	0.99	0.99
Selenium							0.998	0.998
Silver				1.72	-6.59	0.85		0.85
Zinc	0.8473	0.884	0.986	0.8473	0.884	0.978	0.986	0.978

Notes:

* - Saltwater values do not have a hardness correction

^ - Hardness-based Great Lakes Tier 2 equation

CF - Conversion Factor

InH - natural log of Hardness

Filtered Chronic Screening Value = exp{mC[ln(H)]+bC} [CF]

Filtered Acute Screening Value = exp{mA[ln(H)]+bA} [CF]

Table 1c
Example Freshwater Screening Values for Varying Degrees of Water Hardness

Chemical	Freshwater Total (Unfiltered) Samples								Saltwater Unfiltered	
	Chronic Values (µg/L)				Acute Values (µg/L)				Chronic	Acute
	Hardness (mg/kg $CaCO_3$)				Hardness (mg/kg $CaCO_3$)				No hardness correction	
	25	50	100	200	25	50	100	200		
Beryllium	1.2	3.6	11	33	10	30.6	93	285	-	-
Cadmium	0.26	0.46	0.79	1.37	0.49	0.96	1.8	3.75	8.9	40.2
Chromium III	27.7	48.8	86	152	579	1,022	1,803	3,180	-	-
Copper	2.85	5.16	9.3	16.9	3.8	7.3	14	27	3.6	5.6
Lead	0.55	1.32	3.2	7.7	14	33.8	82	197	8.5	220
Nickel	16.1	29	52	94	145	261	469	843	8.3	75
Silver	-	-	-	-	0.35	1.15	3.8	12.5	-	2.2
Zinc	32.7	67	120	216	37	67	120	216	82	92

Notes:

$CaCO_3$ - calcium carbonate

µg/L - micrograms per liter

mg/kg- milligrams per kilogram

Table 1d
Region 4 Surface Water Screening Values for Narcotic Mode of Action

Chemical	CAS	*Freshwater & Saltwater Screening Value (µg/L)*		*Source*
		Chronic	*Acute*	
Volatile Organic Compounds (VOCs) - µg/L				
Chlorinated and Brominated Alkanes				
1,1,1,2-Tetrachloroethane	630-20-6	360	1,376	i, i
1,1,2,2-Tetrachloroethane	79-34-5	1,784	6,827	i, i
1,1,1-Trichloroethane	71-55-6	496	1,896	i, i
1,1,2-Trichloroethane	79-00-5	2,097	8,026	i, i
1,1-Dichloroethane	75-34-3	2,692	10,310	i, i
1,2-Dichloroethane	107-06-2	2,294	8,786	i, i
1,2-Dichloropropane	78-87-5	1,064	4,071	i, i
Dichloromethane (Methylene chloride)	75-09-2	5,697	21,832	i, i
Hexachloroethane	67-72-1	33	178	j, i
Trichloromethane (Chloroform)	67-66-3	5,417	20,756	i, i
Tetrachloromethane (Carbon tetrachloride)	56-23-5	955	3,651	i, i
Chlorinated Alkenes				
1,1-Dichloroethene (1,1-Dichloroethylene)	75-35-4	1,217	4,657	i, i
1,2-Dichloroethene (1,2-Dichloroethylene)	540-59-0	1,629	6,236	i, i
1,2-cis-Dichloroethyene	156-59-2	1,629	6,236	i, i
1,2-trans-Dichloroethylene	156-60-5	1,629	6,236	i, i
1,1,2,2-Tetrachloroethylene (PCE)	127-18-4	332	1,269	i, i
1,1,2-Trichloroethylene (TCE)	79-01-6	763	2,916	i, i
Chloroethene (Vinyl chloride)	75-01-4	2,276	8,717	i, i
Chlorobenzenes				
Chlorobenzene	108-90-7	356	1,360	i, i
1,2-Dichlorobenzene	95-50-1	115	440	i, i
1,3-Dichlorobenzene	541-73-1	115	440	i, i
1,4-Dichlorobenzene	106-46-7	115	440	i, i
1,2,3-Trichlorobenzene	87-61-6	35	134	j, i
1,2,4-Trichlorobenzene	120-82-1	35	134	j, i
1,3,5-Trichlorobenzene	108-70-3	35	134	j, i
Trichlorobenzene (mixed isomers)	12002-48-1	35	134	j, i
Monoaromatic hydrocarbons				
1,2,4-Trimethylbenzene	95-63-6	56	366	j, i
1,3,5-Trimethylbenzene	108-67-8	56	366	j, i
Benzene	71-43-2	2,173	8,317	i, i
Cymene, p- (4-Isopropyltoluene)	99-87-6	21	187	j, i
Ethylbenzene	100-41-4	308	1,196	j, i
Isopropylbenzene (Cumene)	98-82-8	98	547	j, i
Styrene (vinyl benzene)	100-42-5	412	1,575	i, i
Toluene	108-88-3	786	3,005	i, i
Xylenes (total)	1330-20-7	260	1,057	j, i

Table 1d
Region 4 Surface Water Screening Values for Narcotic Mode of Action

Chemical	CAS	*Freshwater & Saltwater Screening Value (µg/L)*		*Source*
		Chronic	*Acute*	
Ketones				
2-Butanone (methyl ethyl ketone)	78-93-3	65,695	201,828	j, j
2-Hexanone (methyl butyl ketone)	591-78-6	16,871	58,590	j, j
2-Octanone (methyl hexyl ketone)	111-13-7	2,807	10,740	i, i
4-Methyl-2-pentanone (MIBK)	108-10-1	19,142	65,872	j, j
Acetone	67-64-1	117,629	355,606	j, j
Alcohols				
1-Pentanol	71-41-0	12,637	44,404	j, j
2-Propanol	67-63-0	52,874	162,854	j, j
Ethylene Glycol	107-21-1	479,638	1,768,104	j, j
Methanol	67-56-1	112,652	369,551	j, j
Propylene glycol	57-55-6	329,329	1,114,122	j, j
Other VOCs				
Acetonitrile	75-05-8	424,883	813,650	i, i
Methyl tert-butyl ether (MTBE)	1634-04-4	30,618	58,634	i, i
Semi-volatile Organic Compounds (SVOCs)				
Chlorobenzenes				
1,2,3,4-Tetrachlorobenzene	634-66-2	6	39	j, i
1,2,4,5-Tetrachlorobenzene	95-94-3	6	39	j, i
Pentachlorobenzene (aquatic only)	608-93-5	1	11	j, i
Phenols				
2-Chlorophenol	95-57-8	1,041	2,738	j, j
2,4-Dichlorophenol	120-83-2	361	1,352	i, j
2,4,6-Tribromophenol	118-79-6	37	140	i, i
2,3,4,6-Tetrachlorophenol	58-90-2	32	120	i, i
Nonylphenol	84852-15-3	1.1	4	i, j
Energetic SVOCs				
2-Nitrotoluene	88-72-2	1,733	6,631	i, i
3-Nitrotoluene	99-08-1	1,733	6,631	i, i
4-Nitrotoluene	99-99-0	1,733	6,631	i, i
Phthalates				
Butylbenzyl Phthalate	85-68-7	18	38	i, i
Diethyl Phthalate	84-66-2	819	4,648	j, j
Dimethyl Phthalate	131-11-3	3,295	19,747	j, j
Di-n-Butyl Phthalate	84-74-2	27	102	i, i
PAH-like Compounds				
1,1-Biphenyl	92-52-4	49	202	j, i
Dibenzofuran	132-64-9	61	242	j, i
Quinoline	91-22-5	2,731	5,682	i, i
Tetrahydrofuran	109-99-9	19,606	68,203	i, j

Table 1d
Region 4 Surface Water Screening Values for Narcotic Mode of Action

Chemical	CAS	*Freshwater & Saltwater Screening Value (µg/L)*		*Source*
		Chronic	*Acute*	
Other SVOCs µg/L				
4-Bromophenyl Phenyl Ether	101-55-3	2.0	11.7	j, i
Benzoic Acid	65-85-0	4,392	16,818	i, i
Benzyl alcohol	100-51-6	15,538	24,156	j, j
Isophorone	78-59-1	996	3,807	i, i
N-Nitrosodiphenylamine	86-30-6	84	283	j, j
Nitrobenzene	98-95-3	5,084	19,470	i, i
Propylene glycol	57-55-6	329,329	1,114,122	j, j

Table 1d Sources:

i - McGrath and Di Toro (2009) Model - See text Section 6.1.4 Equation 1.

j - ECOSAR program predicted lowest chronic or acute value. See Section 6.1.4 in text.

Table 1e

Region 4 Step 3a Surface Water Screening Values for Polycyclic Aromatic Hydrocarbons (PAHs)

Chemical	*CAS*	*Freshwater and Saltwater Screening Values (µg/L)*		*Source*
		Chronic	Acute	
Low Molecular Weight PAHs (LMW-PAHs)				
Naphthalene	91-20-3	194	402	a
1-Methylnaphthalene	90-12-0	75	157	a
2-Methylnaphthalene	91-57-6	72	150	a
C1-Naphthalenes	-	82	170	a
2,6-Dimethylnaphthalene	581-42-0	26	-	a
C2-Naphthalenes	-	30	63	a
2,3,5-Trimethylnaphthalene	2245-38-7	10	-	a
C3-Naphthalenes	-	11	23	a
C4-Naphthalenes	-	4.0	8.4	a
Acenaphthylene	208-96-8	307	640	a
Acenaphthene	83-32-9	56	116	a
Fluorene	86-73-7	39	82	a
C1-Fluorenes	-	14	29	a
C2-Fluorenes	-	5.3	11	a
C3-Fluorenes	-	1.9	4	a
Anthracene	120-12-7	21	43	a
Phenanthrene	85-01-8	19	40	a
1-Methylphenanthrene	832-69-9	7.49	-	a
C1-Phenatherene/anthracenes	-	7.4	16	a
C2-Phenatherene/anthracenes	-	3.2	6.7	a
C3-Phenatherene/anthracenes	-	1.3	2.6	a
C4-Phenatherene/anthracenes	-	0.56	1.2	a
Thiophenes				
Benzothiophene	11095-43-5	450	937	b
Dibenzothiophene	132-65-0	48	100	b
C1-Dibenzothiophenes	-	16	33	b
C2-Dibenzothiophenes	-	5.1	11	b
C3-Dibenzothiophenes	-	1.7	3.4	b
C4-Dibenzothiophenes	-	0.5	1.1	b
Naphthothiophene	233-02-3	48	100	b
High Molecular Weight PAHs (HMW-PAHs)				
Fluoranthene	206-44-0	7.1	15	a
Pyrene	129-00-0	10	21	a
C1-Fluoranthene/pyrenes	-	4.9	10	a
C2-Fluoranthene/pyrenes		1.1	2.3	b
C3-Fluoranthene/pyrenes		0.6	1.3	b
C4-Fluoranthene/pyrenes		0.2	0.3	b
Benzo(a)anthracene	56-55-3	2.2	4.6	a
Chrysene	218-01-9	2.0	4.2	a
C1-Benzanthracene/chrysenes	-	0.86	1.8	a

Table 1e

Region 4 Step 3a Surface Water Screening Values for Polycyclic Aromatic Hydrocarbons (PAHs)

Chemical	*CAS*	*Freshwater and Saltwater ScreeningValues (µg/L)*		*Source*
		Chronic	Acute	
C2-Benzanthracene/chrysenes	-	0.48	1.0	a
C3-Benzanthracene/chrysenes	-	0.17	0.35	a
C4-Benzanthracene/chrysenes	-	0.07	0.15	a
Perylene	198-55-0	0.90	1.9	a
Benzo(b)fluoranthene	205-99-2	0.68	1.4	a
Benzo(k)fluoranthene	207-08-9	0.64	1.3	a
Benzo(a)pyrene	50-32-8	0.96	2.0	a
Benzo(e)pyrene	192-97-2	0.90	1.9	a
Benzo(g,h,i)perylene	191-24-2	0.44	0.91	a
Indeno(1,2,3-cd)pyrene	193-39-5	0.28	0.57	a
Dibenz(a,h) anthracene	53-70-3	0.28	0.59	a

Table Notes:

a - U.S. EPA. 2003. Procedures for the Derivation of Equilibrium Partitioning Sediment Benchmarks (ESBs) for the Protection of Benthic Organisms: PAH Mixtures. EPA-600-R-02-013. Office of Research and Development, Washington, D.C. https://clu-in.org/conf/tio/porewater1/resources/EPA-ESB-Procedures-PAH-mixtures.pdf

b - Calculated using equations in EPA (2003) using log octanol-water partition coefficient from KOWWIN.

Sediment Screening Values

Table 2a
Region 4 Sediment Screening Values for Hazardous Waste Sites
Non-Narcotic Modes of Action

Chemical		CAS	Freshwater Sediment Screening Value		Source	Marine/Estuarine Sediment Screening Value		Source
			ESV	RSV		ESV	RSV	
Inorganic Compounds - mg/kg dry weight								
Metals - mg/kg dw								
Aluminum		7429-90-5	25,000	58,000	i			
Antimony		7440-36-0	2	25	a	2	25	a
Arsenic		7440-38-2	9.8	33	b	7.24	41.6	c
Barium		7440-39-3	20	60	b			
Cadmium		7440-43-9	1	5	b	0.68	4.21	c
Chromium (Total)		7440-47-3	43.4	111	b	52.3	160	c
Cobalt		7440-48-4	50		b			
Copper		7440-50-8	31.6	149	b	18.7	108	c
Iron		7439-89-6	20,000	40,000	g			
Lead		7439-92-1	35.8	128	b	30.2	112	c
Manganese		7439-96-5	460	1,100	g			
Mercury (inorganic - aquatic life)		7439-97-6	0.18	1.1	b	0.13	0.7	c
Mercury (inorganic - wildlife based)		7439-97-6	0.17	0.17	i			
Methylmercury (wildlife based)		22967-92-6	0.00045	0.0045	i			
Nickel		7440-02-0	22.7	48.6	b	15.9	42.8	c
Selenium		7782-49-2	0.72	2.9	i			
Selenium (wildlife)		7782-49-2	0.8	1.2	i			
Silver		7440-22-4	1	2.2	b	0.73	1.77	c
Uranium		7440-61-1	100	1,000	i			
Zinc		7440-66-6	121	459	b	124	271	c
Other Inorganics - mg/kg dw								
Ammonia		7664-41-7	230	300	h			
Sulfides (Total)		18946-25-8	39	61	h			
Volatile Organic Compounds (VOCs) - µg/kg @1% OC								
Acetaldehyde	R	75-07-0	40	1,291	d, e	6.2	1,291	d, e
Acrolein		107-02-8	0.93	3.4	d, e	0.6	3.4	d, e
Acrylonitrile	R	107-13-1	30	151	d, e		151	e
Bromoform (tribromomethane)		75-25-2	142		d	223		d
Bromomethane (methyl bromide)		74-83-9	6.5		d	108		d
Cyclohexane		110-82-7		278	e		278	e
1,3-Dichloropropene (cis and trans)		542-75-6	1.5	75	d, e	34.7	75	d, e
1,2-Diphenylhydrazine	R	122-66-7	3.9	106	d, e		106	e
Dibromochloromethane		124-48-1	198		d	21		d
Dichlorobromomethane		75-27-4	210		d	2,172		d
Hexane		110-54-3	0.94	186	d, e		186	e
Hydrazine	R	302-01-2	0.87		d	14.6		d
Methylamine	R	74-89-5	292	586	d, e		586	e
Vinyl acetate	N3	108-05-4	5.7	2,230	d, e	1,030	2,230	d, e
Semi-volatile Organic Compounds (SVOCs)								
Phenols - µg/kg @1% OC unless denoted by shading								
2-Chlorophenol	N2	95-57-8	55	550	i, i	885	2,302	d, e
2-Methylphenol (o-cresol)	N2	95-48-7	119	1,773	d, e	63	1,773	h, d
2,3-Dimethylphenol	N2	526-75-0	385	1,765	d, e		1,765	e
2,4-Dimethylphenol	N2	105-67-9	39	1,437	d, e	29	504	h, d
3-Methylphenol (Cresol, m-)	N2	108-39-4	112	1,792	d, e		1,792	e
4-Methylphenol (p-Cresol)	N2	106-44-5	93	260	d, h	670	714	h, d
2-Nitrophenol	N2	88-75-5	168	3,589	d, e	2,070	3,589	d, e

Table 2a
Region 4 Sediment Screening Values for Hazardous Waste Sites
Non-Narcotic Modes of Action

Chemical		CAS	Freshwater Sediment Screening Value		Source	Marine/Estuarine Sediment Screening Value		Source
			ESV	RSV		ESV	RSV	
4-Nitrophenol	N2	100-02-7	153	4,105	d, e	1,579	4,105	d, e
2,4-Dinitrophenol	U	51-28-5	223	2,961	d, e	45	2,961	d, e
2-Methyl-4,6-Dinitrophenol	U	534-52-1	1,477	2,304	d, e	1,477	2,304	d, e
2,4,5-Trichlorophenol	N2	95-95-4	34	1,964	d, f	217	1,964	d, f
2,4,6-Trichlorophenol	N2	88-06-2	89	1,964	d, f	117	1,964	d, f
3-Methyl-4-Chlorophenol	N2	59-50-7	5	2,035	d, f	1,257	2,035	d, f
Pentachlorophenol (aquatic life)	U	87-86-5	10	1,200	i, h	360	394	h, d
Pentachlorophenol (wildlife based)	U	87-86-5	65		l			
Phenol	N2	108-95-2	175	210	d, h	63	420	d, h
Energetic SVOAs - µg/kg @ 1% OC unless denoted by shading								
2-Amino-4,6-dinitrotoluene	U	35572-78-2	47	140	d, e	52	140	d, e
4-Amino-2,6-dinitrotoluene	U	19406-51-0	28	70	d, e		70	e
3,5-Dinitroanaline (DNA)		618-87-1	126	140	d, e	120	126	d, e
1,3-Dinitrobenzene (DNB)	U	99-65-0	40	105	d, e	37	105	d, e
2,3-Dinitrotoluene	R	602-01-7	8	122	d, e		122	e
2,4-Dinitrotoluene	R	121-14-2	290	2,900	i, i	29	114	d, e
2,5-Dinitrotoluene	R	619-15-8	22	144	d, e		144	e
2,6-Dinitrotoluene	R	606-20-2	296	131	d, e		131	e
3,5-Dinitrotoluene	R	618-85-9	381	144	d, e		144	e
HMX (Octahydro-tetranitro-1,3,5…)	C	2691-41-0	108	64,709	d, f	162	64,709	d, f
Nitroglycerine	R	55-63-0	10	12,704	d, f	133	12,704	d, f
RDX (Hexahydro-1,3,5-trinitro-1,3,5...)	R	121-82-4	65	312	d, e	155	312	d, e
1,3,5-Trinitrobenzene (TNB)	R	99-35-4	15	116	d, e	15	116	d, e
2,4,6-Trinitrotoluene (TNT)	R	118-96-7	27	112	d, f		112	e
Other SVOCs - µg/kg @ 1% OC								
4-Chloroaniline	N2	106-47-8	0.9	21	d, e	0.9	21	d, e
2,4-Dichloroaniline	N2	554-00-7		32	e		32	e
Pentachloroaniline	U	527-20-8		621	e		621	e
2,2-Dibromo-3-nitrilopropionamide	R	10222-01-2		7.1	e	3.4	7.1	d, e
3,3'-Dichlorobenzidine	N2	91-94-1	31	90	d, e		90	e
Aniline	N2	62-53-3	2.3	12	d, e	5.6	12	d, e
Benzaldehyde	R	100-52-7	59	580	d, e	59	580	d, e
Benzidine	N2	92-87-5	1.1	17	d, e		17	e
bis(2-Chloroethyl) Ether	R	111-44-4		8,163	f		8,163	f
Decane	N2	124-18-5	726		d		65	d
Hexachlorobenzene *		118-74-1	20	240	f, b	10	23	f, h
Hexachlorocyclopentadiene (aquatic life)	R	77-47-4	6.5	810	d, l	1	130	d, l
Hexachlorocyclopentadiene (wildlife based)	R	77-47-4	69		l			
Hydroquinone	R	123-31-9	1.5	8.2	d, e	4.1	8.2	d, e
Pesticides - µg/kg @ 1% OC unless denoted by shading								
4,4'-DDD *	C	72-54-8	3.5	8.5	j, j	1.2	8	c, c
Total DDD *	C	DDD	4.9	28	b, b		13	e
4,4'-DDE *	C	72-55-9	1.4	6.8	j, j	2.1	374	c, c
Total DDE *	C	DDE	3.2	31	b, b		13	e
4,4'-DDT (aquatic life)	C	50-29-3	1.0	7	a, a		5	c
Total DDT *	C	DDT	4.2	63	b, b	0.7	52	c, c
DDT/DDE/DDD (total) *	C	DDTR	5.3	572	b, b		44	l
Total DDTs (Wildlife based)	C	DDTR	10		b			

Table 2a
Region 4 Sediment Screening Values for Hazardous Waste Sites
Non-Narcotic Modes of Action

Chemical		CAS	Freshwater Sediment Screening Value		Source	Marine/Estuarine Sediment Screening Value		Source
			ESV	RSV		ESV	RSV	
Acephate	A	30560-19-1	50		d			
Acrolein		107-02-8	0.9	3.4	d, e	0.6	3	d, e
Aldrin (aquatic life)	C	309-00-2	29	80	d, g	0.1	48	d, e
Aldrin (wildlife based)	C	309-00-2	42	210	i, i			
Atrazine		1912-24-9	0.3	89	b, e			
BHC (alpha)	C	319-84-6	0.3	6	d, g	1.3	567	d, e
BHC (beta) (aquatic life)	C	319-85-7	5.0	7.2	i, h		567	e
BHC (beta) (wildlife based)	C	319-85-7	300	1,500	i			
BHC-gamma (Lindane) (aquatic life)	C	58-89-9	2.4	5	b, b	0.6	0.99	c, c
BHC-gamma (Lindane) (wildlife based)	C	58-89-9	10	100	i			
Carbaryl	A	63-25-2	0.3	6	d, l	0.5	1	d, l
Carbofuran	A	1563-66-2	0.9	4	d, l	0.4	20	d, e
Chlordane *	C	57-74-9	3.2	18	b, b	2.7	5	c, c
Chlordane (Wildlife based)	C	57-74-9	0.06	1,700	b, i			
Chloropyrifos	A	2921-88-2	3	12	d, l	0.4	8	d, l
Cyanazine	H	21725-46-2	30	117	d, e			
Demeton	A	126-75-0	0.2	0.35	d, e	0.2	0.35	d, e
Diazinon	A	333-41-5	0.4	9	b, l	18	91	d, l
Dieldrin *	C	60-57-1	1.9	62	b, b	0.1	4.3	c, c
Dieldrin (Wildlife based)	C	60-57-1	7.7	10	b, i			
Dimethoate	A	60-51-5	0.2	1.7	d, e			
Endosulfan	C	115-29-7	0.01	1	i, l	0.1	3	l, l
Endosulfan-beta	C	33213-65-9	0.9		d	0.14		d
Endosulfan Sulfate	C	1031-07-8	0.7		d	0.11		d
Endrin	C	72-20-8	2.2	207	b, b	0.12	6	a, l
Endrin (wildlife based)	C	72-20-8	8.0	18	b, i			
Guthion	A	86-50-0	0.06		b	0.008	0.1	d, l
Heptachlor *	C	76-44-8	0.6	75	j, l	1.5	71	d, l
Heptachlor epoxide	C	1024-57-3	2.5	16	b, b	0.14	15	d, l
Malathion	A	121-75-5	0.67		b	0.06	0.42	d, l
Methoxychlor *	C	72-43-5	30	59	i, l	2.1	59	d, l
Mirex (aquatic life)	C	2385-85-5	3.6	120	d, l	3.6	120	d, l
Mirex (wildlife based)	C	2385-85-5	37		b	3.6	120	d, l
Parathion	A	56-38-2	0.2	1.2	d, e	0.6	1.2	d, e
Toxaphene *	C	8001-35-2	0.1	32	b, b	0.15	54	d, l
Herbicides, Fungicides - µg/kg @ 1% OC								
2,4-D	H	94-75-7	47	436	d, f	42	436	d, f
Captan	F	133-06-2	47	51	d, e		51	e
Chlorothalonil	R	1897-45-6	6.4	62	d, l	3.9	4	d, l
Dicamba	H	1918-00-9	8.4	180	d, l		630	l
Dinoseb	H	88-85-7	15	1,817	d, e		1,817	e
Diquat	H	2764-72-9	25	2,498	d, f	43	2,498	d, f
MCPA (2-methyl-4-chlorophenoxyacetic acid)	H	94-74-6	1.6		d	2.5		d
Metolachlor	H	51218-45-2	22	240	d, l		290	l
Silvex (2,4,5-TP)	H	93-72-1	62	184	d, f	103	184	d, f
Simazine	H	122-34-9	0.3	72	b, e		72	e
Trifluralin	H	1582-09-8	79	493	d, e		493	e

Table 2a
Region 4 Sediment Screening Values for Hazardous Waste Sites
Non-Narcotic Modes of Action

Chemical		CAS	Freshwater Sediment Screening Value		Source	Marine/Estuarine Sediment Screening Value		Source
			ESV	RSV		ESV	RSV	
Polychlorinated Biphenyls (PCBs) and Dioxins/Furans - µg/kg @ 1% OC unless denoted by shading								
Total PCBs	E	1336-36-3	59.8	676	b, b	21.6	189	b, b
Total PCBs (wildlife based)	E	1336-36-3	14		b	14		b
Dioxins/Furans	E	1746-01-6	0.0025	0.025	k, k	0.0025	0.025	k, k
2,3,7,8-TCDD (Dioxin) (aquatic life)	E	1746-01-6	0.0005	0.0085	l, i		0.0005	l
2,3,7,8-TCDD (Dioxin) (wildlife based)	E	1746-01-6	0.002	0.0022	b, i			
Other - mg/kg dw								
Butyltins - mg/kg dw								
Monobutyltin		78763-54 -9	0.54	4.8	h			
Dibutyltin		818-08-6	0.91	130	h			
Tributyltin		688-73-3	0.047	0.32	h			
Tetrabutyltin		1461-25-2	0.097	0.097	h			
Bulk Petroleum Hydrocarbons - mg/kg dw								
Total Petroleum Hydrocarbons - Diesel		68334-30-5	340	510	h			
Total Petroleum Hydrocarbons - Residual		68476-53-9	3,600	4,400	h			

Table 2a Notes:

Red font indicates a bioaccumulative chemical.
* - indicates protective of aquatic and wildlife receptors.
Shaded gray cells indicate units in µg/kg dry weight.
CAS = chemical abstract service registry number
ESV - Ecological Screening Value for Step 2
RSV - Refinement Screening Value for Step 3a
R - Reactive electrophiles/proelectrophiles
N2 - Polar Narcosis
N3 - Diesters
U - Oxidative phosphorylation uncouplers
H - Herbicides
C - Central nervous system seizure agents
A - Acetylcholinesterase inhibitors
F - Fungicide
E - Endocrine disrupters or reproductive and developmental toxicants

Table 2a Sources:

a - Long, Edward R., and Lee G. Morgan. 1991. The Potential for Biological Effects of Sediment-Sorbed Contaminants Tested in the National Status and Trends Program. NOAA Technical Memorandum NOS OMA 52. Used effects range low (ER-L) for chronic and effecs range medium (ER-M) for acute. (µg/kg dw)

b - MacDonald, D.D.; Ingersoll, C.G.; Smorong, D.E.; Lindskoog, R.A.; Sloane, G; and T. Biernacki. 2003. Development and Evaluation of Numerical Sediment Quality Assessment Guidelines for Florida Inland Waters. Florida Department of Environmental Protection, Tallahassee, FL. Development and Evaluation of Numerical Sediment Quality Assessment Guidelines for Florida Inland Waters. Used threshold effect concentration (TEC) for the ESV and probable effect concentration (PEC) for the RSV. (µg/kg dw)

c - MacDonald, D.D. 1994. Approach to the Assessment of Sediment Quality in Florida Coastal Waters. Florida Department of Environmental Protection. 1994 Florida Sediment Quality Assessment Guidelines for Florida Coastal Waters. (µg/kg dw)

d - Region 4 Sediment Model based on highest ranked surface water quality ESV from Table 1a. See Equation 3 in text Section 6.2.2. (µg/kg @ 1% OC)
e - Region 4 Sediment Model based on: (ECOSAR minimum chronic value). See text. (µg/kg @ 1% OC)
f - Region 4 Sediment Model based on: (lowest predicted surface water value from McGrath & Di Toro (2009). See text. (µg/kg @ 1% OC)
g - Persaud, D., R. Jaagumagi and A. Hayton. 1993. Guidelines for the protection and management of aquatic sediment quality in Ontario. Ontario Ministry of the Environment. Queen's Printer of Ontario. (µg/kg @ 1% OC)
h - Washington State Sediment Management Standards, Cleanup Objectives. http://www.ecy.wa.gov/programs/tcp/smu/sed_standards.htm (µg/kg dw)
i - Los Alamos National Laboratory ECORISK Database. September 2017. http://www.lanl.gov/environment/protection/eco-risk-assessment.php (µg/kg dw)
j - CCME (Canadian Council of Ministers of the Environment). 2003. Canadian Environmental Quality Guidelines: Summary Table December 2003. Canadian Council of Ministers of the Environment, Winnipeg, Manitoba. (µg/kg dw)

k - USEPA. 1993. Interim Report on Data and Methods for Assessment of 2,3,7,8 - Tetrachlorodibenzo-p-dioxin Risks to Aquatic Life and Associated Wildlife. EPA/600/R-93/055. Available from the National Service Center for Environmental Publications (NSCEP) Document Number 600R93055. http://www.epa.gov/nscep/

l - NYDEC (2014) Screening and Assessment of Contaminated Sediment, New York State Department of Environmental Conservation, Division of Fish, Wildlife and Marine Resources, Bureau of Habitat, June 24, 2014. (µg/kg dw). Wildlife number is µg/kg @ 1% OC.

Table 2b
Region 4 Sediment Screening Values for Hazardous Waste Sites
for Narcotic Mode of Action

Chemical	CAS	Freshwater Sediment Screening Value		Source	Marine/Estuarine Sediment Screening Value		Source
		ESV	RSV		ESV	RSV	
Volatile Organic Compounds (VOCs) - µg/kg @ 1% OC unless denoted by shading							
Chlorinated and Brominated Alkanes							
1,1,1,2-Tetrachloroethane	630-20-6	99	418	a, c		418	c
1,1,2,2-Tetrachloroethane	79-34-5	250	2,230	a, c	13	2,230	a, c
1,1,1-Trichloroethane	71-55-6	70	367	i, c		367	c
1,1,2-Trichloroethane	79-00-5	538	1,545	a, c		1,545	c
1,1-Dichloroethane	75-34-3	20	1,666	i, c		1,666	c
1,2-Dichloroethane	107-06-2	986	1,131	a, c		1,131	c
1,2-Dichloropropane	78-87-5	428	876	a, c		876	c
Dichloromethane (methylene chloride)	75-09-2	18	2,404	i, c	667	2,404	a, c
Hexachloroethane	67-72-1	27	75	a, b		75	b
Trichloromethane (Chloroform)	67-66-3	87	3,352	a, c	291	3,352	a, c
Tetrachloromethane (Carbon tetrachloride)	56-23-5	57	706	a, c	3.3	706	a, c
Chlorinated and Brominated Alkenes							
1,1-Dichloroethene (1,1-Dichloroethylene)	75-35-4	100	753	i, c	2.0	753	a, c
1,2-Dichloroethene (1,2-Dichloroethylene)	540-59-0	200	1,135	i, c	569	1,135	a, c
1,2-cis-Dichloroethyene	156-59-2	432	1,135	a, c		1,135	c
1,2-trans-Dichloroethylene	156-60-5	389	1,135	a, c		1,135	c
1,3-Dichloropropene	542-75-6	1.5	75	a, b	35	75	a, b
1,1,2,2-Tetrachloroethylene (PCE)	127-18-4	2	415	i, c	11	415	a, c
1,1,2-Trichloroethylene (TCE)	79-01-6	78	692	i, c	73	692	a, c
Chloroethene (Vinyl chloride)	75-01-4	482	1,178	a, c		1,178	c
Chlorobenzenes							
Chlorobenzene	108-90-7	30	939	i, c	66	939	a, c
1,2-Dichlorobenzene	95-50-1	95	477	a, c	173	477	a, c
1,3-Dichlorobenzene	541-73-1	89	468	a, c		468	c
1,4-Dichlorobenzene	106-46-7	30	468	i, c		468	c
1,2,3-Trichlorobenzene	87-61-6	113	495	a, b	71	495	a, b
1,2,4-Trichlorobenzene	120-82-1	11	485	i, b	75	485	a, b
1,3,5-Trichlorobenzene	108-70-3	68	476	a, b	68	476	a, b
Trichlorobenzene (mixed isomers)	12002-48-1	68	476	a, b	68	476	a, b
Monoaromatic Hydrocarbons							
1,2,3-Trimethylbenzene	526-73-8		368	a, b		368	b
1,2,4-Trimethylbenzene	95-63-6	97	361	a, b		361	b
1,3,5-Trimethylbenzene	108-67-8	164	354	a, b		354	b
Benzene	71-43-2	10	2,185	i, c	111	2,185	a, c
Cymene, p- (4-Isopropyltoluene)	99-87-6	184	242	a, b		242	b
Ethylbenzene	100-41-4	290	1,467	a, b	119	1,467	a, b
Isopropylbenzene (Cumene)	98-82-8	35	713	a, b		713	b
Styrene (Vinyl benzene)	100-42-5	126	1,621	a, c		1,621	c
Toluene	108-88-3	10	2,074	i, c	568	2,074	a, c
Xylenes (total)	1330-20-7	130	1,074	i, b		1,074	b
Ketones							
2-Butanone (methyl ethyl ketone)	78-93-3	7,604	22,707	a, b		22,707	b
2-Hexanone (methyl butyl ketone)	591-78-6	45	7,598	a, b		7,598	b
2-Octanone (methyl hexyl ketone)	111-13-7	6.6	2,240	a, c		2,240	c
4-Methyl-2-pentanone (MIBK)	108-10-1	73	8,165	a, b		8,165	b
Acetone	67-64-1	65	38,133	i, b		38,133	b

Table 2b
Region 4 Sediment Screening Values for Hazardous Waste Sites
for Narcotic Mode of Action

Chemical	CAS	Freshwater Sediment Screening Value		Source	Marine/Estuarine Sediment Screening Value		Source
		ESV	RSV		ESV	RSV	
Alcohols							
1-Pentanol	71-41-0	40	4,597	a, b		4,597	b
2-Propanol	67-63-0	2.4	16,700	a, b		16,700	b
Ethylene glycol	107-21-1	42,389	145,224	a, b	1,272	145,224	a, b
Methanol	67-56-1	102	34,983	a, b		34,983	b
Propylene glycol	57-55-6	22	100,268	a, b		100,268	b
Other VOCs							
Acetonitrile	75-05-8	4,167	25,498	a, b		25,498	b
4-Bromophenyl phenyl ether	101-55-3	47	62	a, b		62	b
Carbon disulfide	75-15-0	7.8	1,580	a, c	131	1,580	a, c
Methyl tert-butyl ether (MTBE)	1634-04-4	304	4,433	a, c	2,081	4,433	a, c
Semivolatile Organic Compounds (SVOCs) - µg/kg @ 1% OC							
Chlorobenzenes							
1,2,3,4-Tetrachlorobenzene	634-66-2	69	138	a, b		138	b
1,2,4,5-Tetrachlorobenzene	95-94-3	187	135	a, b		135	b
Pentachlorobenzene	608-93-5	116	150	a, j		36	b
Phenols							
2,4-Dichlorophenol	120-83-2	57	1,886	a, c		1,886	c
2,4,6-Tribromophenol	118-79-6	47	308	a, c		308	c
2,3,4,6-Tetrachlorophenol	58-90-2	30	948	a, c		948	c
Nonylphenol	25154-52-3		203	c		203	c
Energetic SVOAs							
2-Nitrotoluene	88-72-2	207	5,042	a, c	3,448	5,042	a, c
3-Nitrotoluene	99-08-1	145	5,995	a, c	4,787	5,995	a, c
4-Nitrotoluene	99-99-0	145	5,465	a, c	4,534	5,465	a, c
Phthalates - µg/kg @ 1% OC unless denoted by shading							
Bis(2-ethylhexyl)phthalate	117-81-7	180	2,600	f	182	2,647	d
Butyl benzyl phthalate	85-68-7	100	481	i, c		481	c
Diethyl phthalate	84-66-2	630	1,105	f, b	80	1,105	a, b
Dimethyl phthalate	131-11-3	678	2,031	a, b	530	2,031	e, b
Di-n-butyl phthalate	84-74-2	11	319	i, c		319	c
Di-n-octyl phthalate	117-84-0	39	1,100	e	580	45,000	e
PAHs - µg/kg @ 1% OC unless denoted by shading							
Low molecular weight PAHs (LMW-PAHs)							
1-Methylnaphthalene	90-12-0	141	*	a		*	
2-Methylnaphthalene	91-57-6	20.2	*	g	20.2	*	d
Acenaphthene	83-32-9	6.7	*	f	6.7	*	d
Acenaphthylene	208-96-8	5.9	*	f	5.9	*	d
Anthracene	120-12-7	57	*	f	47	*	d
Fluorene	86-73-7	77	*	f	21	*	d
Naphthalene	91-20-3	176	*	f	35	*	d
Phenanthrene	85-01-8	204	*	f	87	*	d
Total LMW-PAHs		**600**		k	**312**		d
High molecular weight PAHs (HMW-PAHs)							
Benz(a)anthracene	56-55-3	108	*	f	75	*	d
Benzo(a)pyrene	50-32-8	150	*	f	89	*	d
Benzo(b)fluoranthene	205-99-2	190	*	i		*	
Benzo(g,h,i)perylene	191-24-2	170	*	i	310	*	e
Benzo(k)fluoranthene	207-08-9	240	*	i		*	
Chrysene	218-01-9	166	*	f	108	*	d

Table 2b
Region 4 Sediment Screening Values for Hazardous Waste Sites
for Narcotic Mode of Action

Chemical	CAS	Freshwater Sediment Screening Value		Source	Marine/Estuarine Sediment Screening Value		Source
		ESV	RSV		ESV	RSV	
Dibenz(a,h)anthracene	53-70-3	33	*	f	6.2	*	d
Fluoranthene	206-44-0	423	*	f	113	*	d
Indeno(1,2,3-cd)pyrene	193-39-5	200	*	i	340	*	e
Phenanthrene	85-01-8	204	*	f	87	*	d
Pyrene	129-00-0	195	*	f	153	*	d
Total HMW-PAHs		**1,000**		k	**655**		d
Total PAHs		**1,610**		f	**1,684**		d
PAH-like Compounds - µg/kg @ 1% OC unless denoted by shading							
1,1-Biphenyl	92-52-4	198	1,494	a, b		1,494	b
Dibenzofuran	132-64-9	510	2,313	i, b		2,313	b
Quinoline	91-22-5	3.0	2,398	a, c	1,435	2,398	a, c
Tetrahydrofuran	109-99-9	4,488	8,000	a, c		8,000	c
Other SVOCs - µg/kg							
4-Bromophenyl Phenyl Ether	101-55-3	47	62	a, b		62	b
Benzoic Acid	65-85-0	19	2,000	a, c		2,000	c
Benzyl alcohol	100-51-6	3.7	6,729	a, b	522	6,729	a, b
Carbazole	86-74-8	69	4,561	a, b	1,928	4,561	a, b
Isodecyl diphenyl phosphate	29761-21-5	89		a			
Isophorone	78-59-1	876	948	a, c		948	c
N-Nitrosodiphenylamine	86-30-6	110	370	a, b	211	370	a, b
Nitrobenzene	98-95-3	407	9,007	a, c	1,853	9,007	a, c
Triphenyl phosphate	115-86-6	70		a		0.55	

Table 2 Notes:

* see Total below.

Red font indicates a bioaccumulative chemical.

***** - indicates protective of aquatic and wildlife receptors.

Gray shaded cells indicate concentration in µg/kg dry weight

ESV - Ecological Screening Value for Step 2

RSV - Refinement Screening Value for Step 3a

CAS = chemical abstract service registry number

Table 2a Sources:

a - Region 4 Sediment Model based on highest ranked surface water quality ESV from Table 1a See Equation 3 in text Section 6.2.2. (µg/kg @ 1% OC)

b - Region 4 Sediment Model based on: (ECOSAR minimum chronic value). See text. (µg/kg @ 1% OC)

c - Region 4 Sediment Model based on: (lowest predicted surface water value from McGrath & Di Toro (2009). See text. (µg/kg @ 1% OC)

d- Florida Department of Environmental Quality Numerical Sediment Quality Assessment Guidelines for Florida Coastal Waters

e - Washington State Sediment Management Standards, Cleanup Objectives. http://www.ecy.wa.gov/programs/tcp/smu/sed_standards.htm (µg/kg @ 1% OC)

f - MacDonald, D.D.; Ingersoll, C.G.; Smorong, D.E.; Lindskoog, R.A.; Sloane, G; and T. Biernacki. 2003. Development and Evaluation of Numerical Sediment Quality Assessment Guidelines for Florida Inland Waters. Florida Department of Environmental Protection, Tallahassee, FL. Development and Evaluation of Numerical Sediment Quality Assessment Guidelines for Florida Inland Waters. Used threshold effect concentration (TEC) for ESV. (µg/kg dw)

g - CCME (Canadian Council of Ministers of the Environment). 2003. Canadian Environmental Quality Guidelines: Summary Table December 2003. Canadian Council of Ministers of the Environment, Winnipeg, Manitoba. Available at http:/www.ccme.ca/publications/ce (µg/kg dw)

h - Persaud, D., R. Jaagumagi and A. Hayton. 1993. Guidelines for the protection and management of aquatic sediment quality in Ontario. Ontario Ministry of the Environment. Queen's Printer of Ontario.

i - Los Alamos National Laboratory ECORISK Database, 2017. http://www.lanl.gov/environment/protection/eco-risk-assessment.php (µg/kg dw)

j - NYDEC (2014) Screening and Assessment of Contaminated Sediment, New York State Department of Environmental Conservation, Division of Fish, Wildlife and Marine Resources, Bureau of Habitat, June 24, 2014.

k - Median of Refinement Screening Values on Table 2c divided by 10.

Table 2c
Region 4 Step 3a Sediment Refinement Screening Values
for Polycyclic Aromatic Hydrocarbons (PAHs) at Hazardous Waste Sites

Chemical	*CAS*	*Freshwater and Saltwater Sediment Refinement Screening Values (RSVs) for Sum Toxic Unit Approach (µg/kg @ 1% OC)*	*Source*
		RSV	
Low Molecular Weight PAHs (LMW-PAHs)			
Naphthalene	91-20-3	3,850	a
1-Methylnaphthalene	90-12-0	4,460	a
2-Methylnaphthalene	91-57-6	4,470	a
C1-Naphthalenes	-	4,940	a
2,6-Dimethylnaphthalene	581-42-0	5,130	a
C2-Naphthalenes	-	5,100	a
2,3,5-Trimethylnaphthalene	2245-38-7	5,840	a
C3-Naphthalenes	-	5,810	a
C4-Naphthalenes	-	6,570	a
Acenaphthylene	208-96-8	4,520	a
Acenaphthene	83-32-9	4,910	a
Fluorene	86-73-7	5,380	a
C1-Fluorenes	-	6,110	a
C2-Fluorenes	-	6,860	a
C3-Fluorenes	-	7,690	a
Anthracene	120-12-7	5,940	a
Phenanthrene	85-01-8	5,960	a
1-Methylphenanthrene	832-69-9	6,700	a
C1-Phenatherene/anthracenes	-	6,700	a
C2-Phenatherene/anthracenes	-	7,460	a
C3-Phenatherene/anthracenes	-	8,290	a
C4-Phenatherene/anthracenes	-	9,130	a
Thiophenes			
Benzothiophene	11095-43-5	3,910	b
Dibenzothiophene	132-65-0	5,950	b
C1-Dibenzothiophenes	-	6,720	b
C2-Dibenzothiophenes	-	7,540	b
C3-Dibenzothiophenes	-	8,440	b
C4-Dibenzothiophenes	-	9,400	b
Naphthothiophene	233-02-3	5,950	b
High Molecular Weight PAHs (HMW-PAHs)			
Fluoranthene	206-44-0	7,070	a
Pyrene	129-00-0	6,970	a
C1-Fluoranthene/pyrenes	-	7,700	a
C2-Fluoranthene/pyrenes		8,730	b
C3-Fluoranthene/pyrenes		9,490	b
C4-Fluoranthene/pyrenes		10,700	b
Benzo(a)anthracene	56-55-3	8,410	a
Chrysene	218-01-9	8,440	a
C1-Benzanthracene/chrysenes	-	9,290	a
C2-Benzanthracene/chrysenes	-	10,100	a

Table 2c
Region 4 Step 3a Sediment Refinement Screening Values for Polycyclic Aromatic Hydrocarbons (PAHs) at Hazardous Waste Sites

Chemical	*CAS*	*Freshwater and Saltwater Sediment Refinement Screening Values (RSVs) for Sum Toxic Unit Approach (µg/kg @ 1% OC)*	*Source*
		RSV	
C3-Benzanthracene/chrysenes	-	11,100	a
C4-Benzanthracene/chrysenes	-	12,100	a
Perylene	198-55-0	9,680	a
Benzo(b)fluoranthene	205-99-2	9,790	a
Benzo(k)fluoranthene	207-08-9	9,810	a
Benzo(a)pyrene	50-32-8	9,650	a
Benzo(e)pyrene	192-97-2	9,670	a
Benzo(g,h,i)perylene	191-24-2	10,900	a
Indeno(1,2,3-cd)pyrene	193-39-5	11,200	a
Dibenz(a,h) anthracene	53-70-3	11,200	a

Notes:

a - EPA (2003). Procedures for the Derivation of Equlibrium Partitioning Sediment Benchmarks(ESBs) for the Protection of Benthic Orgamisms: PAH Mixtures. EPA/600/R-02/013. Table 3-4.

b - Calculated using equations in EPA (2003) using log octanol-water partition coefficient from KOWWIN.

Soil Screening Values

Table 3
Region 4 Soil Screening Values for Hazardous Waste Sites

CHEMICAL	CAS	Screening Level (mg/kg)	Ref.	Receptor	Plants	Ref.	Soil Invertebrates	Ref.	Mammalian	Ref.	Avian	Ref.
Inorganic Compounds												
Metals												
Aluminum	7429-90-5	Narrative	a	All	Narrative	a	Narrative	a				
Antimony	7440-36-0	0.27	a	All	5	b	78	a	0.27	a		
Arsenic	7440-38-2	18	a	All	18	a	6.8	c	46	a	43	a
Barium	7440-39-3	330	a	All	110	c	330	a	2,000	a	820	c
Beryllium	7440-41-7	2.5	c	All	2.5	c	40	a	21	a		
Boron	7440-42-8	7.5	c	All	36	c			55	c	2	c
Cadmium	7440-43-9	0.36	a	All	32	a	140	a	0.36	a	0.77	a
Chromium - Total	7440-47-3	23	c	M, A					63	c	23	c
Chromium III	16065-83-1	26	a	M, A					34	a	26	a
Chromium VI	18540-29-9	0.34	c	All	0.35	c	0.34	c	130	a	140	c
Cobalt	7440-48-4	13	a	All	13	a			230	a	120	a
Copper	7440-50-8	28	a	All	70	a	80	a	49	a	28	a
Iron	7439-89-6	Narrative	a	All			Narrative	a				
Lead	7439-92-1	11	a	All	120	a	1,700	a	56	a	11	a
Lithium	7439-93-2	2	b	P, M	2	b			75	c		
Manganese	7439-96-5	220	a	All	220	a	450	a	4,000	a	4,300	a
Mercury (total)	7439-97-6	0.013	c	All	0.3	b	0.05	c	1.7	c	0.013	c
Methylmercury	22967-92-6	0.00035	c	All			2.5	c	0.0031	c	0.00035	c
Molybdenum	7439-98-7	2	b	All	2	b			4.8	f	15	c
Nickel	7440-02-0	38	a	All	38	a	280	a	130	a	210	a
Selenium	7782-49-2	0.52	a	All	0.52	a	4.1	a	0.63	a	1.2	a
Silver	7440-22-4	4.2	a	All	560	a			14	a	4.2	a
Strontium	7440-24-6	96	c	M					95	c		
Thallium	7440-28-0	0.05	c	All	0.05	c			0.42	c	4.5	c
Tin	7440-31-5	7.6	g	All	50	b			7.62	g		
Uranium	7440-61-1	25	c	All	25	c			480	c	1,100	c
Vanadium	7440-62-2	7.8	a	All	60	c			280	a	7.8	a
Zinc	7440-66-6	46	a	All	160	a	120	a	79	a	46	a
Other Inorganics												
Ammonia	7664-41-7											
Bromine (total)	7726-95-6	10	b	P	10	b						
Cyanide (total)	57-12-5	0.1	c	M, A					330	c	0.098	c

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CHEMICAL	CAS	Screening Level (mg/kg)	Ref.	Receptor	Plants	Ref.	Soil Invertebrates	Ref.	Mammalian	Ref.	Avian	Ref.
Inorganic Compounds												
Other Inorganics												
Fluoride	16984-48-8	32	c	M, A					870	c	120	c
Fluorine†	7782-41-4	200	b	P	200	b						
Iodine	7553-56-2	4	b	P	4	b						
Volatile Organic Compounds (VOCs)												
Chlorinated Alkanes												
1,1,1,2-Tetrachloroethane	630-20-6	0.07	d	SI			0.07	d	225	g		
1,1,2,2-Tetrachloroethane	79-34-5	0.127	g	All			0.19	d	0.127	g		
1,1,1-Trichloroethane	71-55-6	0.04	d	All			0.04	d	260	c		
1,1,2-Trichloroethane	79-00-5	0.32	d	All			0.32	d	28.6	g		
1,1-Dichloroethane	75-34-3	0.14	d	All			0.14	d	210	c		
1,2-Dichloroethane	107-06-2	0.4	d	All			0.40	d	27	c	0.85	c
1,2-Dichloropropane	78-87-5	0.28	d	All			0.28	d	32.7	g		
Dichloromethane (Methylene chloride)	75-09-2	0.21	d	All	1,600	c	0.21	d	2.6	c		
Trichloromethane (chloroform)	67-66-3	0.05	d	All			0.05	d	8	c		
Tetrachloromethane (Carbon tetrachloride)	56-23-5	0.05	d	All			0.05	d	2.98	g		
Chlorinated Alkenes												
1,1-Dichloroethene/ethylene	75-35-4	0.04	d	All			0.04	d	11	c		
1,2-Dichloroethene (cis and trans)	540-59-0	0.04	d	All			0.04	d	24	c		
1,2-cis-Dichloroethyene	156-59-2	0.04	d	All			0.04	d				
1,2-trans-Dichloroethylene	156-60-5	0.04	d	All			0.04	d	0.784	g		
1,3-Dichloropropene	542-75-6	0.001	d	All			0.001	d				
Tetrachloroethene (PCE)	127-18-4	0.06	d	All	10	c	0.06	d	0.18	c		
1,1,2-Trichloroethylene (TCE)	79-01-6	0.06	d	All			0.06	d	42	c		
Vinyl chloride	75-01-4	0.03	d	All			0.03	d	0.12	c		
Chlorobenzenes												
Chlorobenzene	108-90-7	2.4	c	All			2.4	c	43	c		
1,2-Dichlorobenzene	95-50-1	0.09	d	All			0.09	d	0.92	c		
1,3-Dichlorobenzene	541-73-1	0.08	d	All			0.08	d	0.74	c		
1,4-Dichlorobenzene	106-46-7	0.88	c	SI, M			1.2	c	0.89	c		
1,2,3-Trichlorobenzene	87-61-6	20	e	SI			20	e				
1,2,4-Trichlorobenzene	120-82-1	0.27	c	All			1.2	c	0.27	c		
1,3,5-Trichlorobenzene	108-70-3	0.07	d	All			0.07	d				

Table 3
Region 4 Soil Screening Values for Hazardous Waste Sites

CHEMICAL	CAS	Screening Level (mg/kg)	Ref.	Receptor	Plants	Ref.	Soil Invertebrates	Ref.	Mammalian	Ref.	Avian	Ref.
Volatile Organic Compounds (VOCs)												
Monoaromatic Hydrocarbons												
1,2,4-Trimethylbenzene	95-63-6	0.09	d	All			0.09	d				
1,3,5-Trimethylbenzene	108-67-8	0.16	d	All			0.16	d				
Benzene	71-43-2	0.12	d	All			0.12	d	24	c		
Cymene, p- (4-Isopropyltoluene)	99-87-6	0.18	d	All			0.18	d				
Ethylbenzene	100-41-4	0.27	d	All			0.27	d	5.16	g		
Isopropylbenzene (Cumene)	98-82-8	0.04	d	All			0.04	d				
Styrene (Vinyl benzene)	100-42-5	1.2	c	All	3.2	c	1.2	c				
Toluene	108-88-3	0.15	d	All	200	c	0.15	d	23	c		
Xylenes (total)	1330-20-7	0.1	d	All	100	c	0.1	d	1.4	c	41	c
Ketones												
2-Butanone (Methyl Ethyl Ketone)	78-93-3	1.0	d	All			1.0	d	350	c		
2-Hexanone	591-78-6	0.36	c	SI, M, A			2.5	d	5.4	c	0.36	c
Acetone	67-64-1	1.2	c	M, A			0.04	d	1.2	c	7.5	c
Other VOCs												
Tribromomethane (Bromoform)	75-25-2	0.07	d	All			0.07	d	15.9	g		
Bromomethane (methyl bromide)	74-83-9	0.002	d	All			0.002	d	0.24	g		
Carbon Disulfide	75-15-0	0.005	d	All			0.005	d	0.81	c		
Ethylene glycol	107-21-1	0.31	d	All			0.31	d				
Hexachloroethane	67-72-1	0.024	d	All			0.024	d	0.6	g		
Hexane	110-54-3	0.007	d	All			0.007	d				
Chloroanilines												
3-Chloroaniline	108-42-9	20	b	P, SI	20	b	30	e				
4-Chloroaniline	106-47-8	1	c	P, SI	1	c	1.8	c	1.1	g		
3,4-Dichloroaniline	95-76-1	20	e	SI			20	e				
2,4,5-Trichloroaniline	636-30-6	20	e	P, SI	20	b	20	e				
Pentachloroaniline	527-20-8	100	e	SI			100	e				

Table 3
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CHEMICAL	CAS	Screening Level (mg/kg)	Ref.	Receptor	Plants	Ref.	Soil Invertebrates	Ref.	Mammalian	Ref.	Avian	Ref.
Semivolatile Organic Compounds (SVOCs)												
Chlorobenzenes												
1,2,3,4-Tetrachlorobenzene	634-66-2	10	e	SI			10	e				
1,2,4,5-Tetrachlorobenzene	95-94-3	0.18	d	All			0.18	d	2.02	g		
Hexachlorobenzene	118-74-1	0.079	c	All	10	c	10	c	0.2	c	0.079	c
Pentachlorobenzene	608-93-5	0.5	g	All			20	e	0.5	g		
Dichlorophenols												
Dichlorophenols (2,3-), (2,4-), (2,5-), (2,6-)	120-83-2	0.05	d	All			0.05	d	87.5	g		
3,4-Dichlorophenols (3,4-), (3,5-)	95-77-2	20	e	P, SI	20	b	20	e				
Trichlorophenols												
2,4,5-Trichlorophenol	95-95-4	4	b	P, SI, M	4	b	9	e	14.1	g		
2,4,6-Trichlorophenol	88-06-2	9.94	g	SI, M			10	e	9.94	g		
Tetrachlorophenols												
2,3,4,5-Tetrachlorophenol	4901-51-3	20	e	SI			20	e				
Tetrachlorophenols (2,3,4,6-), (2,3,5,6-)	58-90-2	0.04	d	All			0.04	d	0.2	g		
Other Phenols												
Chlorophenols (2-), (4-)	95-57-8	0.06	d	All			0.06	d	0.54	c	0.39	c
3-Chlorophenol	108-43-0	7	e	P, SI	7	b	10	e				
2,4-Dimethylphenol	105-67-9	0.04	d	SI			0.04	d				
2,4-Dinitrophenol	51-28-5	0.061	g	All	20	b	0.15	d	0.061	g		
4-Nitrophenol	100-02-7	5.12	g	SI, M			7	e	5.12	g		
2-Methylphenol (Cresol, o-)	95-48-7	0.1	d	All	0.67	c	0.1	d	580	c		
3-Methylphenol (Cresol, m-)	108-39-4	0.09	d	All	0.69	c	0.09	d	3.49	g		
4-Methylphenol (Cresol, p-)	106-44-5	0.08	d	All			0.08	d	163	g		
Nonylphenol	25154-52-3	1.27	d	SI			1.27	d				
Pentachlorophenol (PCP)	87-86-5	2.1	a	All	5	a	31	a	2.8	a	2.1	a
Phenol	108-95-2	0.79	c	All	0.79	c	1.8	c	37	c		
Energetic SVOCs												
2-Amino-4,6-dinitrotoluene	35572-78-2	14	c	SI, M, P	14	c	43	c	16	c		
4-Amino-2,6-dinitrotoluene	19406-51-0	12	c	SI, M, P	33	c	18	c	12	c		
1,3- Dinitrobenzene	99-65-0	0.034	d	All			0.034	d	0.072	c	0.079	c
2,4-Dinitrotoluene	121-14-2	6	c	SI, M, P	6	c	18	c	14	c		
2,6-Dinitrotoluene	606-20-2	4	c	All			30	c	4.0	c	52	c

Table 3
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CHEMICAL	CAS	Screening Level (mg/kg)	Ref.	Receptor	Plants	Ref.	Soil Invertebrates	Ref.	Mammalian	Ref.	Avian	Ref.
Semivolatile Organic Compounds (SVOCs)												
Energetic SVOCs												
HMX (Octahydro-tetranitro-1,3,5,7-tetrazocine)	2691-41-0	16	c	SI, M, P	2,700	c	16	c	290	c		
Nitroglycerine	55-63-0	13	c	SI, M, P	21	c	13	c	70	c		
2-Nitrotoluene	88-72-2	0.19	d	All			0.19	d	9.8	c		
3-Nitrotoluene	99-08-1	0.13	d	All			0.13	d	12	c		
4-Nitrotoluene	99-99-0	0.14	d	All			0.14	d	21	c		
PETN (Pentaerythrite-tetranitrate)	78-11-5	2.2	d	SI, M			2.2	d	100	c		
RDX (Hexahydro-1,3,5-trinitro-1,3,5-triazine)	121-82-4	2.3	c	All	45.9	h	8.4	c	16	c	2.3	c
Tetryl (Methyl-2,4,6-trinitrophenylnitroamine)	479-45-8	0.018	d	All	25	h	0.018	d	1.5	c		
1,3,5-Trinitrobenzene	99-35-4	0.3	h	All	0.3	h	10	c				
2,4,6-Trinitrotoluene (TNT)	118-96-7	7.5	c	All	62	c	32	c	95	c	7.5	c
Other SVOCs												
1,1'-Biphenyl	92-52-4	0.2	d	All	60	b	0.2	d				
3,3'- Dichlorobenzidine	91-94-1	0.03	d	All			0.03	d	0.646	g		
Benzoic acid	65-85-0	0.01	d	All			0.01	d	1	c		
Benzyl Alcohol	100-51-6	0.002	d	All			0.002	d	120	c		
Carbazole	86-74-8	0.07	d	All			0.07	d	79	c		
Dibenzofuran	132-64-9	0.15	d	All	6.1	c	0.15	d				
Hexachlorobutadiene	87-68-3	0.009	d	All			0.009	d	0.04	g		
Hexachlorocyclopentadiene	77-47-4	0.001	d	All	10	b	0.001	d	0.755	g		
N-Nitrosodiphenylamine	86-30-6	0.545	g	All			20	e	0.545	g		
Nitrobenzene	98-95-3	2.2	c	SI, M			2.2	c	4.8	c		
Pentachloronitrobenzene	82-68-8	0.09	d	All			0.09	d	11	c	0.7	c
Phthalates												
Bis(2-ethylhexyl) phthalate	117-81-7	0.02	c	All			8.4	d	0.6	c	0.02	c
Butylbenzyl phthalate	85-68-7	0.59	d	All			0.59	d	90	c		
Diethylphthalate	84-66-2	0.25	d	All	100	c	0.25	d	3,600	c		
Dimethylphthalate	131-11-3	0.35	d	All			10	c	38	c		
Di-n-butyl phthalate	84-74-2	0.011	c	All	160	c	0.22	d	180	c	0.011	c
Di-n-octyl phthalate	117-84-0	0.91	c	All			303	d	0.91	c		

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CHEMICAL	CAS	Screening Level (mg/kg)	Ref.	Receptor	Plants	Ref.	Soil Invertebrates	Ref.	Mammalian	Ref.	Avian	Ref.
Semivolatile Organic Compounds (SVOCs)												
Polycyclic Aromatic Hydrocarbons (PAHs)												
Low Molecular Weight PAHs												
Acenaphthene	83-32-9	See Total			0.25	c	0.38	d	130	c		
Acenaphthylene	208-96-8	See Total					0.34	d	120	c		
Anthracene	120-12-7	See Total			6.8	c	0.0015	d	210	c		
Fluorene	86-73-7	See Total					3.7	c	250	c		
1-Methyl naphthalene	90-12-0	See Total					0.14	d				
2-Methylnaphthalene	91-57-6	See Total					0.11	d	16	c		
2,6-Dimethyl naphthalene	581-42-0	See Total					0.44	d				
2,3,5-Trimethylnaphthalene	2245-38-7	See Total					0.13	d				
Naphthalene	91-20-3	See Total			1.0	c	0.16	d	9.6	c	3.4	c
1-Methyl phenanthrene	832-69-9	See Total					0.5	d				
Phenanthrene	85-01-8	See Total					5.5	c	11	c		
Total LMWPAHs	-	**29**	a	All			29	a	100	a		
High Molecular Weight PAHs												
Benzo(a)anthracene	56-55-3	See Total			18	c	4.69	d	3.4	c	0.73	c
Benzo(b)fluoranthene	205-99-2	See Total			18	c	2.7	d	44	c		
Benzo(k)fluoranthene	207-08-9	See Total					0.13	d	71	c		
Benzo(ghi)perylene	191-24-2	See Total					0.07	d	25	c		
Benzo(a)pyrene	50-32-8	See Total					0.13	d	62	c		
Benzo(e)pyrene	192-97-2	See Total					0.25	d				
Chrysene	218-01-9	See Total					5.18	d	3.1	c		
Dibenzo(a,h)anthracene	53-70-3	See Total					0.06	d	14	c		
Fluoranthene	206-44-0	See Total					10	c	22	c		
Indeno(1,2,3-cd)pyrene	193-39-5	See Total					0.08	d	71	c		
Perylene	198-55-0	See Total					0.17	d				
Pyrene	129-00-0	See Total					10	c	23	c	33	c
Total HMWPAHs	-	**1.1**	a	M			18	a	1.1	a		
Pesticides/Herbicides												
Acrolein	107-02-8	0.0003	d	All			0.0003	d	5.27	g		
Aldrin	309-00-2	0.03	c	SI, M			0.030	c	0.037	c		
Atrazine	1912-24-9	0.00005	d	SI			0.000	d				
BHC - alpha	319-84-6	0.0003	d	SI, M			0.00	d	59	c		

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CHEMICAL	CAS	Screening Level (mg/kg)	Ref.	Receptor	Plants	Ref.	Soil Invertebrates	Ref.	Mammalian	Ref.	Avian	Ref.
Pesticides/Herbicides												
BHC - beta	319-85-7	0.0003	d	All			0.0003	d	0.27	c	14	c
BHC - gamma (Lindane)	58-89-9	0.0031	d	All	0.1	c	0.0031	d	0.0095	c	0.21	c
Carbaryl	63-25-2	0.0003	d	All			0.0003	d				
Carbofuran	1563-66-2	0.0008	d	All			0.0008	d				
Chlordane - alpha	5103-71-9	0.0029	d	All	2.2	c	0.0029	d	0.27	c	0.27	c
Chlordane - gamma	12789-03-6	0.02	d	All	2.2	c	0.02	d	2.3	c	2.2	c
Chloropyrifos	2921-88-2	0.003	d	All			0.003	d				
Dinoseb	88-85-7	0.015	d	All			0.015	d	0.022	g		
DDT/DDE/DDD (total)	--	0.021	a	All					0.021	a	0.093	a
Diazinon	333-41-5	0.0037	d	All			0.0037	d				
Dieldrin	60-57-1	0.0029	d	All	10	c	0.0029	d	0.0049	a	0.022	a
Endosulfan - alpha	959-98-8	0.0009	d	All			0.0009	d	0.119	g		
Endosulfan (alpha and beta)	115-29-7	0.0009	d	All			0.0009	d	0.64	c	15	c
Endosulfan sulfate	1031-07-8	0.0065	d	All			0.0007	d	0.036	g		
Endrin	72-20-8	0.0019	c	All	0.0034	c	0.0019	d	0.023	c	0.0014	c
Guthion	86-50-0	0.00006	d	All			0.00006	d				
Heptachlor	76-44-8	0.0016	d	All	0.4	c	0.0016	d	0.059	c	0.3	c
Heptachlor epoxide	1024-57-3	0.00015	d	All			0.00015	d	0.152	g		
Hexachlorocyclopentadiene	77-47-4	0.0064	d	All	10	b	0.0064	d	0.755	g		
Kepone (Chlordecone)	143-50-0	0.017	d	All			0.017	d	0.022	c	1.3	c
Malathion	121-75-5	0.00004	d	All			0.00004	d				
Methoxychlor	72-43-5	0.0021	d	All			0.0021	d	5.1	c	18	c
Mirex	2385-85-5	0.0036	d	All			0.0036	d				
Parathion	56-38-2	0.00019	d	All			0.00019	d				
2,4,5-TP (Silvex)	93-72-1	0.055	d	SI			0.055	d				
Simazine	122-34-9	0.0083	d	All			0.0083	d				
Toxaphene	8001-35-2	0.00015	d	All			0.00015	d	5.9	c	4.1	c
Trifluralin	1582-09-8	0.079	d	All			0.079	d				

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CHEMICAL	CAS	Screening Level (mg/kg)	Ref.	Receptor	Plants	Ref.	Soil Invertebrates	Ref.	Mammalian	Ref.	Avian	Ref.
Polychlorinated Biphenyls (PCBs) and Dioxins/Furans												
PCDDs, PCDFs (ΣTEQ)	1746-01-6	0.00000315	f	All			5	c	0.00000315	f	0.000016	f
PCBs (total)	1336-36-3	0.041	c	All	40	b	0.33	d	0.371	f	0.041	c
Other												
2-Nitroaniline	88-74-4	0.02	d	SI, M			0.02	d	5.3	c		
Diphenylamine	122-39-4	1.01	g	All			1.1	d	1.01	g	10	c
Trichlorofluoromethane	75-69-4	16.4	g	M					16.4	g		

Notes:
Screening values in mg/kg.
All - ESV for protection of all receptors
A - ESV for protection of Avians
M - ESV for protection of Mammals
P - ESV for protection of Plants
SI - ESV for protection of soil invertebrates
LMWPAHs have less than 4 rings
HMWPAHs have 4 or more rings

Table 3 Sources:

a - USEPA (2007): Ecological Soil Screening Levels. http://www.epa.gov/ecotox/ecossl/

b - Efroymson, R.A., M.E. Will, G.W. Suter, and A.C. Wooten. 1997a. Toxicological Benchmarks for Screening Contaminants of Potential Concern for Effects on Terrestrial Plants: 1997 Revision. Oak Ridge National Laboratory, Oak Ridge, TN. ES/ER/TM-95/R4.

c - Los Alamos National Laboratory (LANL). 2017. ECORISK Database Release 4.1. September 2017. http://www.lanl.gov/environment/protection/eco-risk-assessment.php (µg/kg dw)

d - ECOSAR & Region 4 soil model. See text Section 6.3.

e - Efroymson, R.A., M.E. Will, and G.W. Suter. 1997b. Toxicological Benchmarks for Screening Contaminants of Potential Concern for Effects on Soil and Litter Invertebrates and Heterotrophic Process: 1997 Revision. Oak Ridge National Laboratory, Oak Ridge, TN. ES/ER/TM-126/R2. https://rais.ornl.gov/documents/tm126r21.pdf

f - Efroymson, R.A., G.W. Suter, II, B.E. Sample, and D.S. Jones. 1997c. Preliminary Remediation Goals for Ecological Endpoints. Oak Ridge National Laboratory, Oak Ridge, TN. 50 pp. ES/ER/TM-162/R2 http://www.esd.ornl.gov/programs/ecorisk/documents/tm162

g - EPA Region 5 RCRA Ecological Screening Levels (2003).

Coney Island Creek

County: Kings County, New York.

Middle: Coney Island Creek midpoint in Brooklyn, New York.

Ends: Coney Island Creek ends in Brooklyn, New York.

Length: 3.60 miles long (5.80 kilometers)

About The Coney Island Creek

Coney Island Creek is a River located in Kings County, NY. Starting in Brooklyn, NY the Coney Island Creek flows 4 miles through Brooklyn, NY before ending in Brooklyn, NY. Find maps, fishing guides, weather and recreation information at Guidesly.

About Coney Island Creek, NY

Coney Island Creek is a tidal inlet located in Brooklyn, New York that is 1.8 miles long. Before, it made Coney Island an actual island as it was a three-mile-long continual strait and a partial mudflat that linked Gravesend Bay, where its mouth is, and Sheepshead Bay. The creek stops at Shell Road where a storm drain emerges from under the road. The creek's north end is adjoined by Calvert Vaux Park, Kaiser Park on the south end and Coney Island Creek Park in the west. The eastern part of the creek flows along a private industrial property. A cable net between Cropsey and Stillwell Avenues restricts marine traffic.

In the 20th century, Coney Island Creek was still a minimally passable waterway when industries started to develop around it. As a result, it became polluted with substances like arsenic, cyanide and benzene. The northwestern part of the inlet is known as a ship graveyard while at its southern shore, the remains of a 45-feet yellow submarine called the Quester I sticks out of the water. Baptisms are also performed at the creek. The United States Environmental Protection Agency was considering dubbing the creek as a Superfund site during late 2020 due to concerns about pollution.

Coney Island Creek Fishing Description

All About Fishing in Coney Island Creek, NY

Fish reported to have been caught in Coney Island Creek include fluke, striped bass, bluefish, **tub gurnard**, **pink dentex**, Atlantic herring, Atlantic bonito, and **barramundi**. The area is also said to be very good to look for fluke. The inlet was once a bountiful source of different fish species and **oysters**. **Shellfish** and **finfish** were also prolific in its waters before its watershed drainage area became highly urbanized. It's advised to check New York fishing regulations and fish consumption protocols before venturing to fish at the inlet due to records of pollution.

The most common ways to catch fish at Coney Island Creek is by fly fishing and spinning. Anglers mostly do inshore fishing at the creek as there is access to piers and docks as well as the allowance of bank fishing. The inlet provides parking in the area and has access for wheelchairs. The creek is also family friendly with schools using it for outdoor excursions to learn about water life. The coast of the creek is not permitted for swimming. Visitors to the creek can also go to the nearby public parks that surround it.

Offers

Coney Island Creek Seasonal & Other Description

Fishing Seasonality

The open season for recreational fishing for **fluke** is between the months of May and September. **Striped bass** season is open from April to December. One can have a better chance of catching **bluefish** during the summer

while **herring** make an appearance during the winter. **Tub gurnards** spawn from May through August while **pink dentex** breed from just March to May. **Atlantic bonito** could be generally caught all year round and has no daily catch and bag limits in the United States as it's not a currently managed species. Anglers are urged to check for the local daily catch and bag limits for certain fish species as well as weather and water conditions.

Temperature and Optimal Seasons

Fishing Seasonality

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Coney Island Creek Fish Species

All About Fishing in Coney Island Creek, NY

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Atlantic Herring	Bluefish	Summer Flounder	Striped Bass
Habitat: Offshore, Nearshore	Habitat: Nearshore, Onshore	Habitat: Onshore, Nearshore, Offshore	Habitat: River, Lake, Onshore, Near shore
Weight: 1 - 2 Pounds	Weight: 3 - 15 Pounds	Weight: 1 - 5 Pounds	Weight: 10 - 81 Pounds
Length: 8" - 18"	Length: 15" - 51"	Length: 15" - 37"	Length: 20" - 55"

Offers





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